

**METODOLOGÍA PARA DETERMINAR EL CAUDAL APROVECHABLE EN  
PROYECTOS DE PEQUEÑAS CENTRALES HIDROELÉCTRICAS BAJO ESCENARIOS  
DE VARIABILIDAD CLIMÁTICA**



**María Jimena Paredes Guevara**

**FACULTAD DE INGENIERÍA CIVIL**

**MAESTRÍA EN INGENIERÍA HIDRÁULICA E HIDROLÓGICA**

**METODOLOGÍA PARA DETERMINAR EL CAUDAL APROVECHABLE EN PROYECTOS DE  
PEQUEÑAS CENTRALES HIDROELÉCTRICAS BAJO ESCENARIOS DE VARIABILIDAD  
CLIMÁTICA**

**MARÍA JIMENA PAREDES GUEVARA**

**ANEXOS**

**Director**

**Ing. M. Sc. Mauricio Aguirre Gómez**

**UNIVERSIDAD DEL CAUCA FACULTAD DE INGENIERÍA CIVIL**

**MAESTRÍA EN INGENIERÍA HIDRÁULICA E HIDROLÓGICA**

**POPAYÁN**





<b>ANEXO 1. SERIE DE CAUDALES EN LA ESTACIÓN LIMNIMÉTRICA TOTORÓ. RIO EL COFRE. REPRESENTACIÓN GRÁFICA Y ESTADÍSTICOS DESCRIPTIVOS .....</b>	<b>6</b>
<b>ANEXO 2. INFORMACIÓN PARA LA CUENCA HIDROGRÁFICA HASTA LA ESTACIÓN TOTORÓ. ESTACIONES PLUVIOMÉTRICAS. SERIE DE PRECIPITACIÓN.....</b>	<b>11</b>
<b>ANEXO 3 SERIE DE TEMPERATURA SUPERFICIAL DEL OCÉANO PACÍFICO. ....</b>	<b>16</b>
<b>ANEXO 4. ÍNDICE ONI.....</b>	<b>26</b>
<b>ANEXO 5 . SERIE SIMULADA DE CAUDAL CON EL MODELO SARIMAX (14,0,13) PARA LA ESTACIÓN TOTORÓ. RIO EL COFRE.....</b>	<b>29</b>
<b>ANEXO 6. CURVA DE DURACIÓN DE CAUDALES PARA LA ESTACIÓN LIMNIMÉTRICA TOTORÓ. ESCENARIOS DE VARIABILIDAD. ....</b>	<b>32</b>
<b>ANEXO 7. ENERGÍA, POTENCIA Y FACTOR DE PLANTA PARA LA CORRIENTE EL COFRE. ....</b>	<b>48</b>
<b>ANEXO 8. SERIE HISTÓRICA DE CAUDALES PARA LA ESTACIÓN LIMNIMÉTRICA EL CORTIJO. RIO PIENDAMÓ. ESTADÍSTICA DESCRIPTIVA.....</b>	<b>116</b>
<b>ANEXO 9 SERIE SIMULADA DE CAUDAL CON EL MODELO SARIMAX (14,0,12). RIO PIENDAMÓ. .....</b>	<b>120</b>
<b>ANEXO 10 DATOS PARA CURVA DE DURACIÓN DE CAUDALES. RIO PIENDAMÓ.....</b>	<b>123</b>
<b>ANEXO 11 ENERGÍA, POTENCIA Y FACTOR DE PLANTA PARA LA CORRIENTE.....</b>	<b>144</b>

ANEXOS

**Anexo 1. SERIE DE CAUDALES EN LA ESTACIÓN LIMNIMÉTRICA TOTORÓ. RIO EL COFRE. REPRESENTACIÓN GRÁFICA Y ESTADÍSTICOS DESCRIPTIVOS**

Estación Limnimétrica Totoró												
caudales medios mensuales m <sup>3</sup> /s												
	ene	feb	mar	abr	may	jun	jul	ago	sep	oct	nov	dic
1961					1.04	3.19	1.41	1.41	0.91	1.32	2.44	0.96
1962	0.89	0.66	0.87	0.78	1.27	1.71	1.34	1.65	0.83	1.52	1.63	2.72
1963	1.16	3.37	1.02	1.33	2.48	1.46	1.45	1.77	0.73	0.79	2.58	1.38
1964	1.08	0.93	0.75	1.47	0.86	1.45	0.66	1.2	0.75		1.25	2.38
1965	1.1	0.69	0.54	1.52	1.64	1.05	1.39	1.28	0.99	1.87	4.49	2.53
1966	0.9	0.77	1.15	1.16	1.01	0.72	0.81	0.88	0.94	1.61	4.13	4.5
1967	1.51	1.07	1.85	1.64	1.02	1.95	2.07	1.42	0.91	1.32	3.12	1.31
1968	1.23	1.4	1.06	2.99	1.18	1.51	1.6	1.4	1.1	1.52	3.47	2.01
1969	0.91	1.41	0.82	2.21	0.88	1.33	0.9	0.73	0.45	3.67	1.46	0.95
1970	1.34	1.26	1.21	1.45	2.38	2.15	1.14	1.52	1.23	1.67	3.1	1.28
1971	2.03	1.6		2.27	1.4	1.18	1.18	1.15	1.18	1.35	1.89	1.17
1972	1.58	1.69	1.51	2.06	1.41	1.23	1.38		0.75	0.63	0.97	1.11
1973	0.59	0.59	0.55	0.59	0.63	0.49	0.74	0.85	0.7	1.33	1.24	1.57
1974	2.96	4.06	3.69	2.35	2.41	1.42	2.06	1.37	0.99	1.13	1.43	1.08
1975	1.26	1.42	1.66	0.91	1.38	1.18	1.34	1.35	0.82	1.45	2.64	4.3
1976	1.84	2.06	2.19	1.86	1.76	1.64	1.94	1.13	1.23	1.59	1.55	1.28
1977	0.74	0.6	0.58	1.09	1.06	1.11	0.77	0.62	0.71	0.96	1.42	0.85
1978	1.5	0.62	0.81	1.68	0.87	0.71	0.6	0.6	0.6	0.89	1.01	0.85
1979	0.68	0.53	0.8	1.28	0.85	1.01	0.83	0.93	0.95	1	2.72	1.4

---

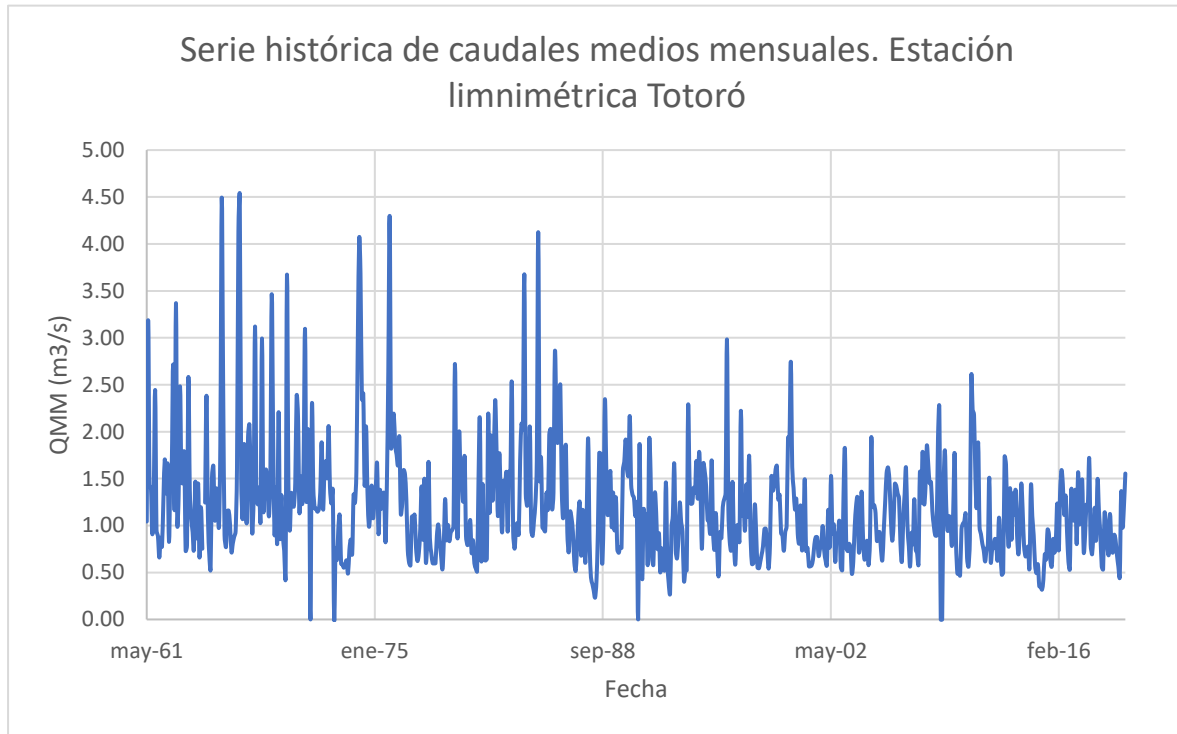
1980	0.88	1.99	1.57	1.46	1.26	1.74	0.89	0.79	0.83	1.06	0.71	0.84
1981	0.6	0.54	0.51	1.48	2.13	0.63	1.44	0.65	0.63	0.65	2.19	1.13
1982	1.96	1.27	1.62	2.34	1.82	1.1	1.77	1.32	0.93	1.47	1.27	1.57
1983	0.94	1.58	1.52	2.53	0.93	0.75	0.95	1.03	0.91	1.69	2.09	2.03
1984	3.68	1.34	1.21	1.42	2.05	0.95	0.89	1.06	1.25	1.69	4.13	1.49
1985	1.73	0.98	0.96	0.94	1.35	1.18	1.97	2.02	1.18	1.35	2.84	2.27
1986	1.88	2.42	2.49	1.38	1.08	1.78	1.85	0.93	0.71	1.14	1.08	0.93
1987	0.61	0.52	0.76	1.11	1.24	0.68	1.16	0.96	0.6	1.16	1.93	0.85
1988	0.45	0.38	0.31	0.23	0.41	0.93	1.77	1.76	0.61	1.02	2.33	1.65
1989	1.12	1.14	1.58	0.98	1.35	0.95	1.3	0.75	0.71	0.77	0.76	1.58
1990	1.68	1.92	1.6	1.53	2.17	1.44	1.33	1.29	1.1	1.24		1.87
1991	0.62	0.43	1.17	0.94	1.12	0.6	1.9	1.56	0.67	0.58	1.33	1.14
1992	0.75	0.91	0.5	0.76	0.55	0.52	1.46	0.65	0.39	0.28	0.97	1.11
1993	1.66	0.74	0.65	0.85	1.24	1.04	0.93	0.41	0.52	0.52	2.27	1.5
1994	1.23	1.24	1.4	1.35	1.69	1.29	1.79	1.35	0.76	1.66	1.57	1.41
1995	1.06	1.04	0.92	1.7	0.94	0.74	1.13	0.74	0.46	0.93	0.87	1.2
1996	1.28	1.35	2.98	1.18	0.83	0.74	1.47	0.83	0.59	1	1.01	0.84
1997	2.22	1.12	1.23	0.95	1.44	1.1	1.75	0.88	0.59	0.6	1.22	0.93
1998	0.55	0.55	0.61	0.69	0.78	0.96	0.97	0.76	0.54	0.8	1.51	1.37
1999	1.44	1.6	1.63	1.28	1.33	0.92	0.9	0.73	0.94	0.99	1.94	1.89
2000	2.75	1.62	1.4	1.17	1.28	0.91	0.81	1.22	0.74	0.83	1.49	0.73
2001	0.76	0.57	0.57	0.58	0.64	0.8	0.88	0.87	0.68	0.75	0.81	1
2002	0.74	0.63	0.58	1.17	0.77	1.53	0.92	1.01	0.61	0.91	0.88	1.05
2003	0.56	0.53	1.31	1.81	0.77	0.73	0.81	0.77	0.49	0.61	0.98	1.2
2004	1.3	0.72	0.82	1.36	0.89	0.64	0.71	0.84	0.58	0.83	1.94	1.2

---





Gráfica de la serie de caudales en la estación Totoró.



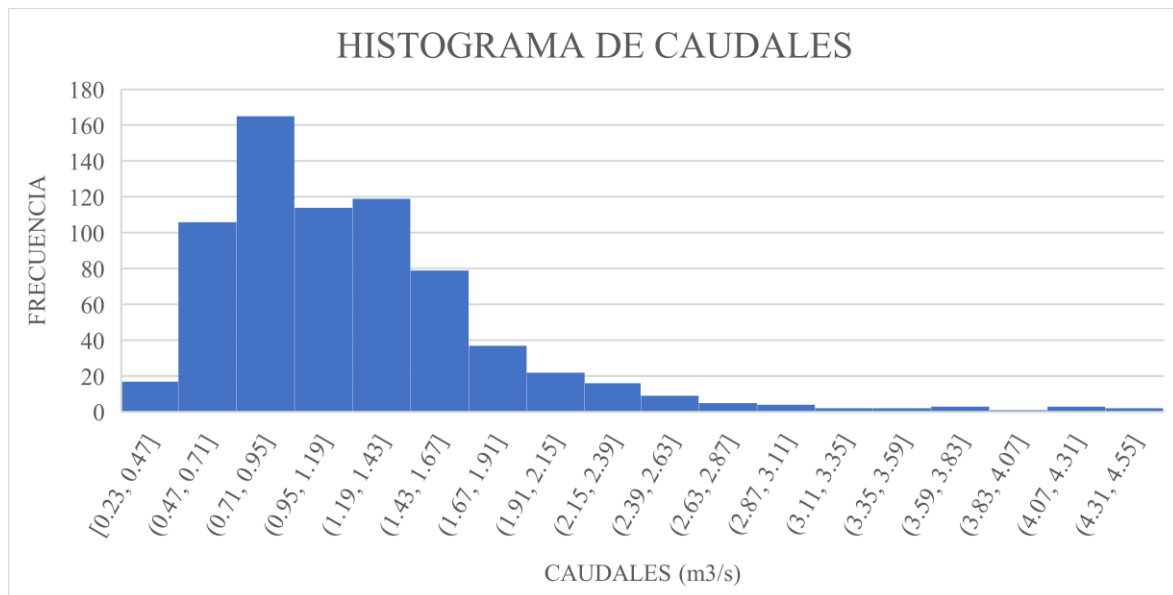
Estadísticos descriptivos para la Serie Histórica de Caudales Medios Mensuales para la estación Totoró.

*QMM*

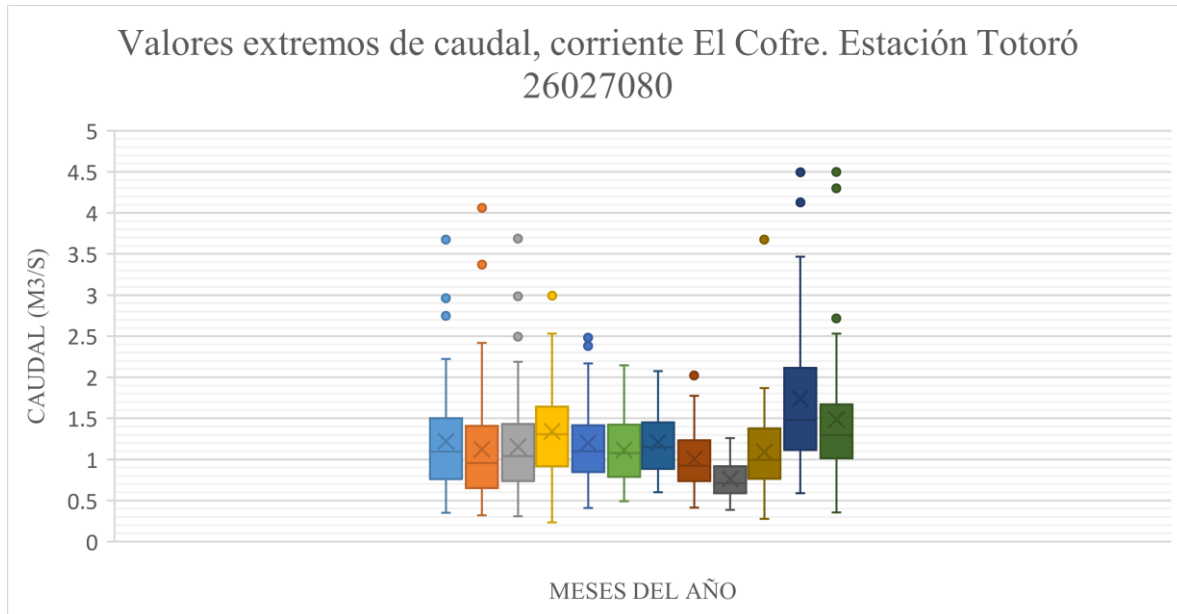
Media	1.208
Error típico	0.0230
Mediana	1.0989
Moda	1.2000
Desviación estándar	0.6119
Varianza de la muestra	0.3744
Curtosis	5.9840
Coefficiente de asimetría	1.9479
Rango	4.2631
Mínimo	0.2333
Máximo	4.4964
Suma	853.1199
Cuenta	706.0000
Mayor	4.4964
Menor	0.2333
Nivel de confianza(95.0%)	0.0452

Histograma de caudales. Estación Totoró.

El histograma muestra que la serie no sigue una distribución normal.



Distribución mensual del caudal y valores extremos. Corriente El Cofre

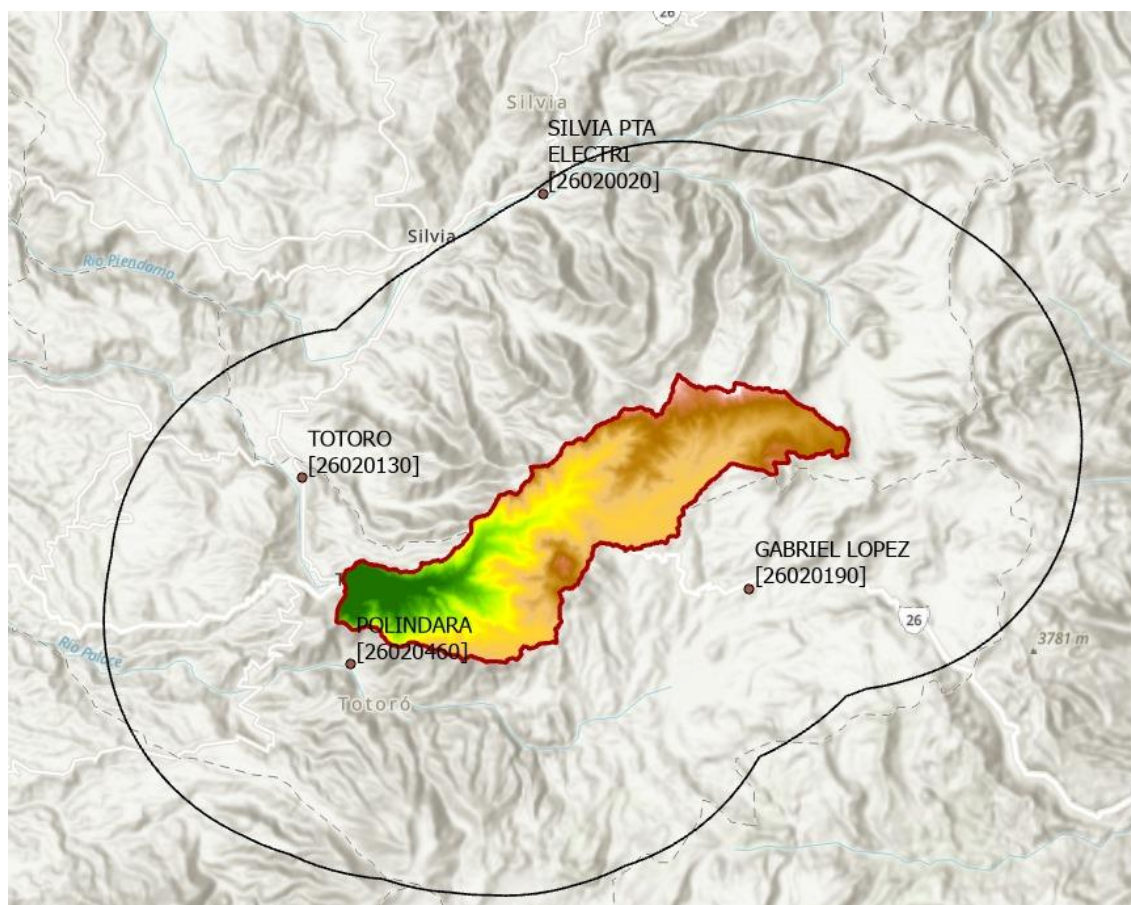


Nota: La mayor producción se logra en el mes de noviembre, mientras que el menor caudal registrado se da en el mes de septiembre.

## ***Anexo 2. INFORMACIÓN PARA LA CUENCA HIDROGRÁFICA HASTA LA ESTACIÓN TOTORÓ. ESTACIONES PLUVIOMÉTRICAS. SERIE DE PRECIPITACIÓN.***

Ubicación de las estaciones para determinación de la serie de precipitación en la cuenca.

Estaciones pluviométricas para determinar la serie de precipitación sobre la cuenca.



Serie de precipitación total mensual de la cuenca del río El Cofre hasta la estación limnimétrica Totoró.

---

Precipitación total mensual cuenca río El Cofre

mm

---

	ene	feb	mar	abr	may	jun	jul	ago	sep	oct	nov	dic
1986	123.4	276.2	227.8	106.5	107	113.6	77.8	33.56	96.1	271.6	199.3	83.97
1987	74.35	49.49	126.8	177.8	168.6	33.26	97.71	61.4	61.1	229	206.8	68.17
1988	55.31	88.09	71.34	159.5	161.5	154.3	106.6	77.37	133.9	209.1	339.6	231.8
1989	154.5	112.3	264.4	91.61	154.6	59.16	95.87	40.17	91.55	258.4	165.1	232.8
1990	101	251.6	172	195.3	108.7	54.72	88.85	66.05	40.16	297.7	174.6	194.5
1991	80.82	102.3	240.1	88.86	124.4	39.58	99.98	61.45	88.29	55.14	202.7	137.9

---

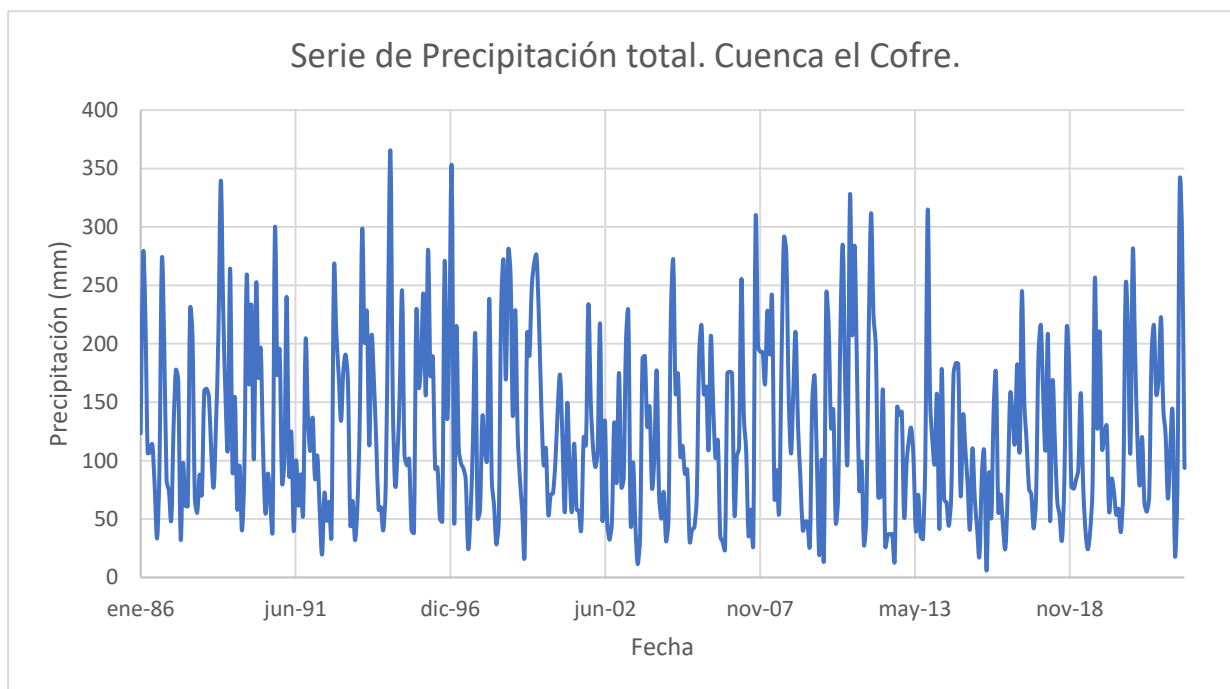
---

1992	108.2	136.5	84.62	104.2	58.47	19.71	72.19	48.43	64.57	35.79	262.6	210.4
1993	173.9	133.9	175	190.7	168.2	45.56	65.47	31.9	62.59	136.6	297.8	202
1994	226.7	112.9	206.3	168.5	117.7	57.97	60.11	40.45	77.79	225.3	364.7	154.4
1995	78.75	108	158.7	245.2	105.7	95.95	101.3	40.29	38.2	226.8	163	183.1
1996	242.8	156.2	280.5	173.2	188.5	92.93	94.36	50.05	47.9	269.9	136.9	209.8
1997	349.5	47.63	214.5	111	97.58	93.21	83.16	24.84	55.64	114.9	208.5	50.89
1998	57.75	137.5	109.5	99.81	238.5	85.93	62.18	28.19	49.37	229.8	271.6	169.3
1999	279.8	256.5	138	228.8	126.4	83.99	56.46	20.02	208.5	189.5	249.1	268.7
2000	275.8	221.8	151.2	96.67	110.1	54.14	70.79	72.31	99.04	144.3	173.2	118.5
2001	56.09	148.8	96.79	56.02	114.5	58.28	57.15	41.13	120	113.3	233.5	151.9
2002	110.4	94.42	109.2	216.8	49.29	134.4	48.83	32.26	47.82	132.5	81.21	175.1
2003	77.4	86.18	200.5	226.4	46.54	98.54	44.43	11.4	37.3	187.1	189.5	129.5
2004	145.6	76.58	102.5	176.9	72.15	50.23	73.01	30.81	50.55	222.2	271.5	157.9
2005	174.4	103.6	112.8	88.48	92.26	30.89	41.04	42.98	69.4	189.4	215.9	157
2006	163	109.4	206.5	146.7	102.4	116.7	35.68	30.65	23.73	174.7	176	174.6
2007	54.05	104	111.5	255.6	140.1	108.4	36.33	58.12	28.69	306.1	197.8	193.1
2008	192.6	165.9	228.1	190.8	238.6	68.53	91.93	56.83	190.9	290.8	277.4	157
2009	106	164.1	209.6	129.2	86.54	40.6	47.6	47.36	27.4	149.5	172.5	98.86
2010	19.04	100.8	16.55	241.7	216.3	128.3	143.1	46.65	70.55	213.8	284	165.5
2011	102.5	326.8	207.6	284	184	75.52	98.74	27.59	53.43	208.2	311.8	225.5
2012	196.3	68.65	69.03	160.6	26.77	36.64	36.81	36.89	14.88	145.6	139.1	141.7
2013	51.55	97.25	116.4	128	103.2	39.65	70.84	35.45	33.07	100.9	315	154.7
2014	116.6	97.97	156.4	41.41	178.5	66.71	64.62	44.14	70.81	174.1	183.6	182.6
2015	69.87	138.9	110.6	79.12	41.25	110.3	68.83	42.2	18.33	86.94	107.4	5.882
2016	89.53	51.27	140.8	174.3	56.37	71.04	43.78	24.98	76.98	156.5	138.7	114.8

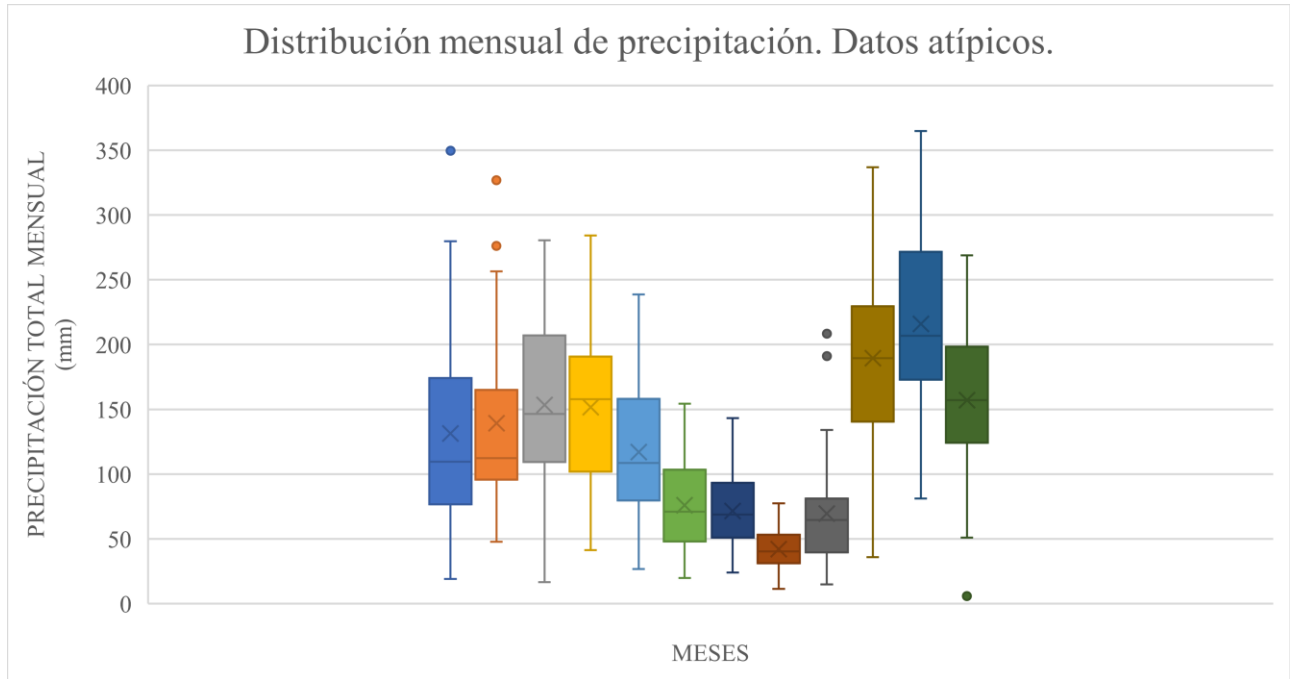
---

2017	182.5	107.5	244.6	151.6	117	75.86	71.44	41.97	69.4	189.4	215.8	157
2018	109.6	207.9	48.09	167.4	117.1	66.19	53.26	31.77	82.61	212.6	182.6	78.1
2019	75.96	84.05	93.3	157.8	80.89	40.12	24.08	40.15	79.78	256.3	127.7	210.7
2020	110.4	123.1	129.8	56.68	84.16	74.41	53.93	58.59	39.03	77.7	248.6	211.1
2021	106.7	279.6	198	120	78.55	120.3	64.46	56.24	69.4	189.4	215.8	157
2022	170.1	222.6	146.4	122	67.46	111.2	140.8	18.23	79.02	336.9	285.5	93.69

Gráfica de la serie de precipitación para la cuenca del río El Cofre hasta la estación limnimétrica Totoró.



Distribución de la precipitación en el año.



Nota: Los meses de mayor precipitación son los de marzo y noviembre, mientras que el mes más seco es el de agosto.

### Anexo 3 SERIE DE TEMPERATURA SUPERFICIAL DEL OCÉANO PACÍFICO.

Temperatura °C			Temperatura °C			Temperatura °C		
Fecha	NINO3.4	Anomalía	Fecha	NINO3.4	Anomalía	Fecha	NINO3.4	Anomalía
1/01/1950	24.55	-1.99	1/02/1950	25.06	-1.69	1/03/1950	25.87	-1.42
1/04/1950	26.28	-1.54	1/05/1950	26.18	-1.75	1/06/1950	26.46	-1.27
1/07/1950	26.29	-1.01	1/08/1950	25.88	-0.97	1/09/1950	25.74	-0.98
1/10/1950	25.69	-1.03	1/11/1950	25.47	-1.23	1/12/1950	25.29	-1.31
1/01/1951	25.24	-1.3	1/02/1951	25.71	-1.04	1/03/1951	26.9	-0.38
1/04/1951	27.58	-0.23	1/05/1951	27.92	-0.01	1/06/1951	27.73	0
1/07/1951	27.6	0.3	1/08/1951	27.02	0.17	1/09/1951	27.23	0.51
1/10/1951	27.2	0.49	1/11/1951	27.25	0.55	1/12/1951	26.91	0.31
1/01/1952	26.67	0.13	1/02/1952	26.74	-0.01	1/03/1952	27.17	-0.11
1/04/1952	27.8	-0.02	1/05/1952	27.79	-0.14	1/06/1952	27.18	-0.54
1/07/1952	26.53	-0.76	1/08/1952	26.3	-0.56	1/09/1952	26.36	-0.36
1/10/1952	26.26	-0.46	1/11/1952	25.92	-0.78	1/12/1952	26.21	-0.39
1/01/1953	26.74	0.2	1/02/1953	27	0.24	1/03/1953	27.57	0.29
1/04/1953	28.04	0.22	1/05/1953	28.28	0.35	1/06/1953	28.12	0.39
1/07/1953	27.43	0.14	1/08/1953	26.94	0.09	1/09/1953	27.01	0.29
1/10/1953	26.87	0.16	1/11/1953	26.88	0.18	1/12/1953	27	0.41
1/01/1954	26.98	0.43	1/02/1954	27.03	0.28	1/03/1954	26.9	-0.38
1/04/1954	26.64	-1.17	1/05/1954	27.12	-0.81	1/06/1954	26.8	-0.93
1/07/1954	26.11	-1.18	1/08/1954	25.43	-1.43	1/09/1954	25.12	-1.6
1/10/1954	25.23	-1.48	1/11/1954	25.57	-1.13	1/12/1954	25.26	-1.33
1/01/1955	25.61	-0.93	1/02/1955	25.81	-0.95	1/03/1955	26.22	-1.06
1/04/1955	26.6	-1.22	1/05/1955	26.66	-1.28	1/06/1955	26.55	-1.18
1/07/1955	26.15	-1.15	1/08/1955	25.51	-1.35	1/09/1955	25.28	-1.43
1/10/1955	24.41	-2.31	1/11/1955	24.25	-2.45	1/12/1955	24.57	-2.03
1/01/1956	25.34	-1.2	1/02/1956	25.76	-0.99	1/03/1956	26.46	-0.83
1/04/1956	26.85	-0.97	1/05/1956	27.13	-0.8	1/06/1956	26.81	-0.92



1/07/1956	26.23	-1.06	1/08/1956	25.68	-1.17	1/09/1956	25.73	-0.98
1/10/1956	25.75	-0.97	1/11/1956	25.56	-1.14	1/12/1956	25.71	-0.89
1/01/1957	26.04	-0.51	1/02/1957	26.54	-0.22	1/03/1957	27.46	0.18
1/04/1957	28.23	0.41	1/05/1957	28.55	0.62	1/06/1957	28.36	0.63
1/07/1957	28.17	0.87	1/08/1957	27.69	0.84	1/09/1957	27.44	0.72
1/10/1957	27.42	0.7	1/11/1957	27.62	0.92	1/12/1957	27.9	1.3
1/01/1958	28.33	1.78	1/02/1958	28.24	1.49	1/03/1958	28.27	0.98
1/04/1958	28.27	0.46	1/05/1958	28.31	0.38	1/06/1958	27.99	0.26
1/07/1958	27.32	0.03	1/08/1958	26.85	-0.01	1/09/1958	26.4	-0.32
1/10/1958	26.45	-0.27	1/11/1958	26.75	0.05	1/12/1958	26.62	0.02
1/01/1959	27.07	0.53	1/02/1959	27.18	0.43	1/03/1959	27.47	0.19
1/04/1959	27.88	0.06	1/05/1959	27.7	-0.23	1/06/1959	27.37	-0.35
1/07/1959	26.44	-0.86	1/08/1959	26.09	-0.77	1/09/1959	25.92	-0.8
1/10/1959	26.24	-0.48	1/11/1959	26.04	-0.66	1/12/1959	26.18	-0.42
1/01/1960	26.27	-0.28	1/02/1960	26.29	-0.46	1/03/1960	26.98	-0.3
1/04/1960	27.49	-0.33	1/05/1960	27.68	-0.25	1/06/1960	27.24	-0.49
1/07/1960	26.88	-0.41	1/08/1960	26.7	-0.15	1/09/1960	26.44	-0.28
1/10/1960	26.22	-0.49	1/11/1960	26.26	-0.45	1/12/1960	26.22	-0.38
1/01/1961	26.23	-0.31	1/02/1961	26.56	-0.19	1/03/1961	26.94	-0.35
1/04/1961	27.36	-0.46	1/05/1961	27.75	-0.18	1/06/1961	27.67	-0.06
1/07/1961	26.89	-0.41	1/08/1961	26.19	-0.67	1/09/1961	25.78	-0.94
1/10/1961	25.71	-1.01	1/11/1961	26.07	-0.63	1/12/1961	25.97	-0.63
1/01/1962	25.96	-0.59	1/02/1962	26.19	-0.57	1/03/1962	26.8	-0.48
1/04/1962	27.13	-0.69	1/05/1962	27.05	-0.89	1/06/1962	27.08	-0.65
1/07/1962	26.76	-0.53	1/08/1962	26.33	-0.53	1/09/1962	25.94	-0.78
1/10/1962	25.97	-0.75	1/11/1962	25.75	-0.95	1/12/1962	25.67	-0.93
1/01/1963	25.77	-0.78	1/02/1963	26.22	-0.53	1/03/1963	27.18	-0.1
1/04/1963	27.78	-0.03	1/05/1963	27.63	-0.3	1/06/1963	27.62	-0.11
1/07/1963	27.78	0.49	1/08/1963	27.48	0.62	1/09/1963	27.4	0.68

1/10/1963	27.36	0.64	1/11/1963	27.47	0.77	1/12/1963	27.62	1.02
1/01/1964	27.34	0.79	1/02/1964	27.13	0.38	1/03/1964	27.02	-0.26
1/04/1964	26.95	-0.87	1/05/1964	26.82	-1.12	1/06/1964	26.59	-1.14
1/07/1964	26.33	-0.96	1/08/1964	25.6	-1.26	1/09/1964	25.32	-1.4
1/10/1964	25.37	-1.35	1/11/1964	25.26	-1.44	1/12/1964	25.23	-1.37
1/01/1965	25.66	-0.89	1/02/1965	26.19	-0.56	1/03/1965	26.94	-0.34
1/04/1965	27.38	-0.44	1/05/1965	27.99	0.06	1/06/1965	28.09	0.36
1/07/1965	27.9	0.61	1/08/1965	27.97	1.12	1/09/1965	28.01	1.29
1/10/1965	28.17	1.45	1/11/1965	28.12	1.42	1/12/1965	27.96	1.36
1/01/1966	27.67	1.12	1/02/1966	27.55	0.8	1/03/1966	28.21	0.93
1/04/1966	28.16	0.35	1/05/1966	27.55	-0.38	1/06/1966	27.64	-0.08
1/07/1966	27.33	0.04	1/08/1966	26.48	-0.37	1/09/1966	26.27	-0.44
1/10/1966	26.22	-0.5	1/11/1966	26.23	-0.47	1/12/1966	26.03	-0.57
1/01/1967	25.88	-0.67	1/02/1967	26.11	-0.64	1/03/1967	26.5	-0.78
1/04/1967	26.74	-1.08	1/05/1967	27.35	-0.59	1/06/1967	27.47	-0.26
1/07/1967	26.97	-0.33	1/08/1967	26.44	-0.42	1/09/1967	25.86	-0.86
1/10/1967	25.97	-0.74	1/11/1967	26.08	-0.62	1/12/1967	25.95	-0.65
1/01/1968	25.69	-0.85	1/02/1968	25.68	-1.07	1/03/1968	26.33	-0.95
1/04/1968	27.1	-0.72	1/05/1968	27.19	-0.75	1/06/1968	27.88	0.15
1/07/1968	27.58	0.28	1/08/1968	27.01	0.16	1/09/1968	26.72	0.01
1/10/1968	26.75	0.04	1/11/1968	27.2	0.5	1/12/1968	27.27	0.67
1/01/1969	27.5	0.95	1/02/1969	27.86	1.11	1/03/1969	27.82	0.54
1/04/1969	28.13	0.31	1/05/1969	28.29	0.35	1/06/1969	27.69	-0.04
1/07/1969	27.08	-0.21	1/08/1969	27.02	0.16	1/09/1969	27.15	0.43
1/10/1969	27.34	0.62	1/11/1969	27.1	0.4	1/12/1969	26.98	0.38
1/01/1970	26.83	0.28	1/02/1970	26.95	0.2	1/03/1970	27.14	-0.14
1/04/1970	27.74	-0.08	1/05/1970	27.63	-0.3	1/06/1970	27.04	-0.69
1/07/1970	26.21	-1.08	1/08/1970	25.6	-1.26	1/09/1970	25.65	-1.07
1/10/1970	25.6	-1.12	1/11/1970	25.57	-1.13	1/12/1970	25.27	-1.33

1/01/1971	24.81	-1.73	1/02/1971	25.18	-1.57	1/03/1971	25.92	-1.36
1/04/1971	26.63	-1.18	1/05/1971	26.95	-0.98	1/06/1971	26.6	-1.13
1/07/1971	26.13	-1.17	1/08/1971	25.75	-1.1	1/09/1971	25.72	-1
1/10/1971	25.47	-1.24	1/11/1971	25.56	-1.15	1/12/1971	25.37	-1.23
1/01/1972	25.62	-0.92	1/02/1972	26.3	-0.45	1/03/1972	27.09	-0.19
1/04/1972	27.89	0.07	1/05/1972	28.32	0.38	1/06/1972	28.18	0.45
1/07/1972	28.14	0.85	1/08/1972	27.95	1.09	1/09/1972	27.95	1.23
1/10/1972	28.26	1.54	1/11/1972	28.61	1.9	1/12/1972	28.69	2.09
1/01/1973	28.34	1.8	1/02/1973	27.95	1.2	1/03/1973	27.55	0.27
1/04/1973	27.24	-0.58	1/05/1973	26.96	-0.97	1/06/1973	26.55	-1.18
1/07/1973	25.76	-1.54	1/08/1973	25.22	-1.63	1/09/1973	25.06	-1.66
1/10/1973	24.73	-1.98	1/11/1973	24.33	-2.37	1/12/1973	24.33	-2.26
1/01/1974	24.46	-2.09	1/02/1974	25.1	-1.66	1/03/1974	25.84	-1.45
1/04/1974	26.46	-1.36	1/05/1974	26.64	-1.29	1/06/1974	26.53	-1.2
1/07/1974	26.39	-0.9	1/08/1974	26.33	-0.52	1/09/1974	26.08	-0.64
1/10/1974	25.78	-0.94	1/11/1974	25.61	-1.09	1/12/1974	25.63	-0.97
1/01/1975	26.09	-0.45	1/02/1975	26.07	-0.68	1/03/1975	26.19	-1.09
1/04/1975	26.86	-0.96	1/05/1975	26.8	-1.13	1/06/1975	26.23	-1.5
1/07/1975	25.9	-1.39	1/08/1975	25.33	-1.52	1/09/1975	25.05	-1.66
1/10/1975	24.89	-1.83	1/11/1975	25.05	-1.66	1/12/1975	24.67	-1.93
1/01/1976	24.54	-2.01	1/02/1976	25.49	-1.26	1/03/1976	26.46	-0.82
1/04/1976	26.88	-0.93	1/05/1976	27.2	-0.74	1/06/1976	27.35	-0.38
1/07/1976	27.13	-0.16	1/08/1976	26.98	0.12	1/09/1976	27.02	0.3
1/10/1976	27.46	0.75	1/11/1976	27.41	0.71	1/12/1976	27.09	0.49
1/01/1977	27.32	0.78	1/02/1977	27.13	0.37	1/03/1977	27.47	0.19
1/04/1977	27.44	-0.38	1/05/1977	27.72	-0.21	1/06/1977	27.74	0.01
1/07/1977	27.38	0.09	1/08/1977	26.85	-0.01	1/09/1977	27.12	0.4
1/10/1977	27.35	0.63	1/11/1977	27.19	0.48	1/12/1977	27.29	0.7
1/01/1978	27.17	0.62	1/02/1978	27	0.25	1/03/1978	27.09	-0.2

1/04/1978	27.12	-0.7	1/05/1978	27.2	-0.74	1/06/1978	27.02	-0.71
1/07/1978	26.74	-0.55	1/08/1978	26.07	-0.79	1/09/1978	26.01	-0.71
1/10/1978	26.25	-0.46	1/11/1978	26.33	-0.38	1/12/1978	26.54	-0.06
1/01/1979	26.41	-0.13	1/02/1979	26.53	-0.22	1/03/1979	27.27	-0.02
1/04/1979	27.83	0.02	1/05/1979	27.69	-0.25	1/06/1979	27.43	-0.29
1/07/1979	26.82	-0.47	1/08/1979	26.75	-0.1	1/09/1979	26.99	0.28
1/10/1979	26.83	0.11	1/11/1979	26.99	0.29	1/12/1979	27.11	0.52
1/01/1980	27.08	0.54	1/02/1980	26.97	0.22	1/03/1980	27.31	0.03
1/04/1980	27.75	-0.07	1/05/1980	28.01	0.08	1/06/1980	27.94	0.21
1/07/1980	27.23	-0.06	1/08/1980	26.48	-0.38	1/09/1980	26.44	-0.28
1/10/1980	26.46	-0.26	1/11/1980	26.6	-0.1	1/12/1980	26.65	0.05
1/01/1981	26.18	-0.36	1/02/1981	26.11	-0.64	1/03/1981	26.64	-0.64
1/04/1981	27.29	-0.53	1/05/1981	27.36	-0.57	1/06/1981	27.27	-0.46
1/07/1981	26.65	-0.64	1/08/1981	26.33	-0.53	1/09/1981	26.53	-0.19
1/10/1981	26.42	-0.3	1/11/1981	26.29	-0.41	1/12/1981	26.4	-0.2
1/01/1982	26.67	0.13	1/02/1982	26.59	-0.17	1/03/1982	27.41	0.13
1/04/1982	28.03	0.21	1/05/1982	28.39	0.45	1/06/1982	28.26	0.53
1/07/1982	27.66	0.37	1/08/1982	27.58	0.73	1/09/1982	28.21	1.49
1/10/1982	28.71	1.99	1/11/1982	28.62	1.92	1/12/1982	28.8	2.2
1/01/1983	28.89	2.35	1/02/1983	28.69	1.94	1/03/1983	28.66	1.38
1/04/1983	28.77	0.95	1/05/1983	28.84	0.9	1/06/1983	28.27	0.54
1/07/1983	27.18	-0.11	1/08/1983	26.59	-0.27	1/09/1983	26.2	-0.52
1/10/1983	25.56	-1.16	1/11/1983	25.41	-1.29	1/12/1983	25.57	-1.03
1/01/1984	25.88	-0.67	1/02/1984	26.56	-0.19	1/03/1984	26.77	-0.52
1/04/1984	27.14	-0.68	1/05/1984	27.2	-0.73	1/06/1984	26.83	-0.9
1/07/1984	26.79	-0.5	1/08/1984	26.61	-0.24	1/09/1984	26.38	-0.34
1/10/1984	26.04	-0.67	1/11/1984	25.52	-1.19	1/12/1984	25.25	-1.34
1/01/1985	25.38	-1.16	1/02/1985	26.03	-0.72	1/03/1985	26.5	-0.79
1/04/1985	26.64	-1.18	1/05/1985	26.9	-1.03	1/06/1985	26.81	-0.91

1/07/1985	26.56	-0.74	1/08/1985	26.3	-0.56	1/09/1985	26.02	-0.7
1/10/1985	26.23	-0.49	1/11/1985	26.33	-0.37	1/12/1985	26.19	-0.41
1/01/1986	25.89	-0.66	1/02/1986	26.05	-0.71	1/03/1986	26.87	-0.42
1/04/1986	27.49	-0.33	1/05/1986	27.4	-0.53	1/06/1986	27.42	-0.31
1/07/1986	27.18	-0.11	1/08/1986	27.17	0.32	1/09/1986	27.24	0.53
1/10/1986	27.53	0.81	1/11/1986	27.71	1.01	1/12/1986	27.72	1.12
1/01/1987	27.68	1.14	1/02/1987	27.88	1.13	1/03/1987	28.27	0.98
1/04/1987	28.39	0.58	1/05/1987	28.56	0.62	1/06/1987	28.65	0.92
1/07/1987	28.59	1.29	1/08/1987	28.42	1.57	1/09/1987	28.36	1.65
1/10/1987	27.96	1.24	1/11/1987	27.77	1.07	1/12/1987	27.54	0.94
1/01/1988	27.45	0.9	1/02/1988	27.03	0.28	1/03/1988	27.38	0.1
1/04/1988	27.38	-0.44	1/05/1988	26.68	-1.25	1/06/1988	25.99	-1.74
1/07/1988	25.56	-1.74	1/08/1988	25.66	-1.19	1/09/1988	25.72	-1
1/10/1988	24.82	-1.9	1/11/1988	24.65	-2.05	1/12/1988	24.63	-1.96
1/01/1989	24.58	-1.97	1/02/1989	25.28	-1.47	1/03/1989	26.08	-1.21
1/04/1989	26.74	-1.08	1/05/1989	27.06	-0.88	1/06/1989	27.14	-0.59
1/07/1989	26.72	-0.57	1/08/1989	26.33	-0.53	1/09/1989	26.42	-0.3
1/10/1989	26.32	-0.4	1/11/1989	26.25	-0.45	1/12/1989	26.46	-0.13
1/01/1990	26.56	0.01	1/02/1990	26.96	0.21	1/03/1990	27.33	0.04
1/04/1990	27.9	0.08	1/05/1990	28.02	0.08	1/06/1990	27.64	-0.08
1/07/1990	27.38	0.09	1/08/1990	27.07	0.22	1/09/1990	26.94	0.22
1/10/1990	26.93	0.21	1/11/1990	26.81	0.1	1/12/1990	26.95	0.35
1/01/1991	27.03	0.49	1/02/1991	27.07	0.32	1/03/1991	27.32	0.03
1/04/1991	28.01	0.19	1/05/1991	28.2	0.26	1/06/1991	28.25	0.52
1/07/1991	28.05	0.76	1/08/1991	27.53	0.68	1/09/1991	27.14	0.42
1/10/1991	27.58	0.86	1/11/1991	27.9	1.2	1/12/1991	28.29	1.69
1/01/1992	28.38	1.84	1/02/1992	28.53	1.78	1/03/1992	28.66	1.38
1/04/1992	29.02	1.2	1/05/1992	28.98	1.04	1/06/1992	28.3	0.58
1/07/1992	27.51	0.22	1/08/1992	26.91	0.05	1/09/1992	26.65	-0.06

1/10/1992	26.42	-0.3	1/11/1992	26.42	-0.28	1/12/1992	26.44	-0.15
1/01/1993	26.69	0.14	1/02/1993	27.16	0.41	1/03/1993	27.67	0.39
1/04/1993	28.41	0.59	1/05/1993	28.71	0.78	1/06/1993	28.08	0.35
1/07/1993	27.52	0.23	1/08/1993	26.99	0.13	1/09/1993	27.07	0.35
1/10/1993	26.77	0.06	1/11/1993	26.71	0	1/12/1993	26.76	0.16
1/01/1994	26.64	0.1	1/02/1994	26.81	0.06	1/03/1994	27.39	0.11
1/04/1994	28.08	0.26	1/05/1994	28.24	0.31	1/06/1994	28.04	0.32
1/07/1994	27.54	0.24	1/08/1994	27.38	0.53	1/09/1994	27.2	0.48
1/10/1994	27.47	0.75	1/11/1994	27.81	1.11	1/12/1994	27.85	1.25
1/01/1995	27.57	1.02	1/02/1995	27.49	0.73	1/03/1995	27.75	0.46
1/04/1995	28.1	0.28	1/05/1995	27.82	-0.11	1/06/1995	27.59	-0.14
1/07/1995	27.08	-0.21	1/08/1995	26.23	-0.63	1/09/1995	25.88	-0.84
1/10/1995	25.84	-0.88	1/11/1995	25.6	-1.1	1/12/1995	25.65	-0.95
1/01/1996	25.69	-0.86	1/02/1996	25.89	-0.86	1/03/1996	26.67	-0.61
1/04/1996	27.35	-0.47	1/05/1996	27.55	-0.38	1/06/1996	27.29	-0.44
1/07/1996	26.85	-0.44	1/08/1996	26.64	-0.22	1/09/1996	26.27	-0.45
1/10/1996	26.27	-0.44	1/11/1996	26.29	-0.41	1/12/1996	25.95	-0.64
1/01/1997	26.01	-0.53	1/02/1997	26.38	-0.37	1/03/1997	27.04	-0.25
1/04/1997	27.98	0.16	1/05/1997	28.58	0.64	1/06/1997	28.82	1.09
1/07/1997	28.86	1.56	1/08/1997	28.75	1.89	1/09/1997	28.85	2.13
1/10/1997	29.08	2.36	1/11/1997	29.12	2.41	1/12/1997	28.89	2.29
1/01/1998	28.93	2.38	1/02/1998	28.78	2.03	1/03/1998	28.62	1.34
1/04/1998	28.6	0.78	1/05/1998	28.51	0.57	1/06/1998	27.34	-0.39
1/07/1998	26.3	-0.99	1/08/1998	25.57	-1.28	1/09/1998	25.46	-1.26
1/10/1998	25.25	-1.46	1/11/1998	25.24	-1.46	1/12/1998	24.91	-1.69
1/01/1999	24.86	-1.69	1/02/1999	25.43	-1.32	1/03/1999	26.33	-0.95
1/04/1999	26.7	-1.11	1/05/1999	26.79	-1.15	1/06/1999	26.53	-1.19
1/07/1999	26.13	-1.17	1/08/1999	25.63	-1.22	1/09/1999	25.63	-1.09
1/10/1999	25.48	-1.23	1/11/1999	25.12	-1.58	1/12/1999	24.86	-1.74

1/01/2000	24.78	-1.77	1/02/2000	25.21	-1.55	1/03/2000	26.3	-0.98
1/04/2000	26.95	-0.87	1/05/2000	27.07	-0.86	1/06/2000	26.94	-0.79
1/07/2000	26.63	-0.67	1/08/2000	26.37	-0.49	1/09/2000	26.2	-0.52
1/10/2000	26.02	-0.7	1/11/2000	25.92	-0.79	1/12/2000	25.68	-0.92
1/01/2001	25.81	-0.73	1/02/2001	26.12	-0.63	1/03/2001	26.8	-0.48
1/04/2001	27.33	-0.49	1/05/2001	27.6	-0.34	1/06/2001	27.54	-0.19
1/07/2001	27.25	-0.04	1/08/2001	26.8	-0.05	1/09/2001	26.52	-0.2
1/10/2001	26.57	-0.14	1/11/2001	26.33	-0.37	1/12/2001	26.19	-0.41
1/01/2002	26.39	-0.15	1/02/2002	26.71	-0.04	1/03/2002	27.29	0.01
1/04/2002	27.84	0.02	1/05/2002	28.24	0.31	1/06/2002	28.44	0.72
1/07/2002	28.03	0.74	1/08/2002	27.72	0.87	1/09/2002	27.81	1.09
1/10/2002	27.96	1.25	1/11/2002	28.17	1.47	1/12/2002	27.97	1.37
1/01/2003	27.15	0.6	1/02/2003	27.39	0.64	1/03/2003	27.65	0.36
1/04/2003	27.68	-0.14	1/05/2003	27.32	-0.61	1/06/2003	27.44	-0.29
1/07/2003	27.5	0.21	1/08/2003	27.11	0.26	1/09/2003	26.99	0.27
1/10/2003	27.14	0.42	1/11/2003	27.04	0.33	1/12/2003	27.03	0.43
1/01/2004	26.81	0.27	1/02/2004	26.98	0.23	1/03/2004	27.4	0.12
1/04/2004	27.89	0.07	1/05/2004	28	0.06	1/06/2004	27.86	0.13
1/07/2004	27.78	0.49	1/08/2004	27.62	0.76	1/09/2004	27.53	0.81
1/10/2004	27.44	0.73	1/11/2004	27.36	0.66	1/12/2004	27.34	0.74
1/01/2005	27.21	0.66	1/02/2005	27.11	0.36	1/03/2005	27.73	0.45
1/04/2005	28.08	0.26	1/05/2005	28.24	0.3	1/06/2005	27.77	0.04
1/07/2005	27.06	-0.23	1/08/2005	26.8	-0.05	1/09/2005	26.68	-0.04
1/10/2005	26.65	-0.06	1/11/2005	26.11	-0.59	1/12/2005	25.68	-0.92
1/01/2006	25.63	-0.91	1/02/2006	26.08	-0.67	1/03/2006	26.57	-0.71
1/04/2006	27.5	-0.32	1/05/2006	27.85	-0.09	1/06/2006	27.73	0
1/07/2006	27.3	0.01	1/08/2006	27.16	0.31	1/09/2006	27.32	0.6
1/10/2006	27.41	0.7	1/11/2006	27.69	0.99	1/12/2006	27.74	1.14
1/01/2007	27.24	0.7	1/02/2007	26.88	0.13	1/03/2007	27.1	-0.18

1/04/2007	27.5	-0.32	1/05/2007	27.46	-0.47	1/06/2007	27.37	-0.35
1/07/2007	26.71	-0.59	1/08/2007	26.14	-0.72	1/09/2007	25.61	-1.11
1/10/2007	25.32	-1.39	1/11/2007	25.17	-1.54	1/12/2007	25.01	-1.58
1/01/2008	24.86	-1.68	1/02/2008	25.08	-1.67	1/03/2008	26.07	-1.21
1/04/2008	26.83	-0.99	1/05/2008	27.09	-0.84	1/06/2008	27.04	-0.68
1/07/2008	26.99	-0.3	1/08/2008	26.72	-0.13	1/09/2008	26.47	-0.25
1/10/2008	26.37	-0.35	1/11/2008	26.25	-0.46	1/12/2008	25.74	-0.86
1/01/2009	25.66	-0.89	1/02/2009	25.96	-0.79	1/03/2009	26.59	-0.69
1/04/2009	27.47	-0.35	1/05/2009	27.99	0.06	1/06/2009	28.04	0.31
1/07/2009	27.78	0.48	1/08/2009	27.42	0.56	1/09/2009	27.4	0.68
1/10/2009	27.6	0.89	1/11/2009	28.16	1.46	1/12/2009	28.34	1.74
1/01/2010	28.07	1.52	1/02/2010	28.01	1.25	1/03/2010	28.18	0.9
1/04/2010	28.2	0.38	1/05/2010	27.71	-0.22	1/06/2010	27.04	-0.69
1/07/2010	26.22	-1.07	1/08/2010	25.47	-1.39	1/09/2010	25.12	-1.6
1/10/2010	25.03	-1.69	1/11/2010	25.06	-1.64	1/12/2010	25	-1.6
1/01/2011	25	-1.54	1/02/2011	25.64	-1.11	1/03/2011	26.36	-0.93
1/04/2011	27.05	-0.77	1/05/2011	27.41	-0.52	1/06/2011	27.35	-0.38
1/07/2011	26.87	-0.43	1/08/2011	26.21	-0.65	1/09/2011	25.92	-0.8
1/10/2011	25.67	-1.05	1/11/2011	25.52	-1.19	1/12/2011	25.54	-1.06
1/01/2012	25.67	-0.87	1/02/2012	26.08	-0.67	1/03/2012	26.67	-0.61
1/04/2012	27.32	-0.5	1/05/2012	27.61	-0.32	1/06/2012	27.75	0.02
1/07/2012	27.54	0.25	1/08/2012	27.32	0.47	1/09/2012	27.1	0.38
1/10/2012	26.98	0.26	1/11/2012	26.86	0.16	1/12/2012	26.34	-0.25
1/01/2013	26.01	-0.53	1/02/2013	26.24	-0.52	1/03/2013	27.03	-0.25
1/04/2013	27.57	-0.25	1/05/2013	27.53	-0.4	1/06/2013	27.3	-0.42
1/07/2013	26.91	-0.39	1/08/2013	26.47	-0.38	1/09/2013	26.54	-0.18
1/10/2013	26.52	-0.2	1/11/2013	26.56	-0.14	1/12/2013	26.43	-0.17
1/01/2014	26.05	-0.49	1/02/2014	26.14	-0.62	1/03/2014	27	-0.28
1/04/2014	27.9	0.08	1/05/2014	28.25	0.32	1/06/2014	27.96	0.23



1/07/2014	27.23	-0.06	1/08/2014	26.82	-0.03	1/09/2014	27.01	0.29
1/10/2014	27.16	0.44	1/11/2014	27.46	0.75	1/12/2014	27.31	0.71
1/01/2015	27.05	0.51	1/02/2015	27.17	0.42	1/03/2015	27.75	0.47
1/04/2015	28.52	0.7	1/05/2015	28.85	0.92	1/06/2015	28.9	1.18
1/07/2015	28.75	1.46	1/08/2015	28.79	1.93	1/09/2015	28.93	2.21
1/10/2015	29.08	2.36	1/11/2015	29.42	2.72	1/12/2015	29.26	2.66
1/01/2016	29.11	2.57	1/02/2016	29.01	2.26	1/03/2016	28.9	1.62
1/04/2016	28.72	0.91	1/05/2016	28.23	0.3	1/06/2016	27.69	-0.03
1/07/2016	26.82	-0.48	1/08/2016	26.28	-0.58	1/09/2016	26.14	-0.58
1/10/2016	25.98	-0.74	1/11/2016	25.94	-0.76	1/12/2016	26.1	-0.5
1/01/2017	26.12	-0.43	1/02/2017	26.67	-0.08	1/03/2017	27.32	0.03
1/04/2017	28.03	0.22	1/05/2017	28.3	0.37	1/06/2017	28.06	0.34
1/07/2017	27.54	0.25	1/08/2017	26.7	-0.16	1/09/2017	26.29	-0.43
1/10/2017	26.15	-0.56	1/11/2017	25.74	-0.97	1/12/2017	25.62	-0.98
1/01/2018	25.57	-0.98	1/02/2018	25.97	-0.78	1/03/2018	26.48	-0.8
1/04/2018	27.31	-0.51	1/05/2018	27.73	-0.2	1/06/2018	27.77	0.04
1/07/2018	27.42	0.12	1/08/2018	26.94	0.09	1/09/2018	27.19	0.47
1/10/2018	27.62	0.9	1/11/2018	27.61	0.9	1/12/2018	27.49	0.89
1/01/2019	27.19	0.65	1/02/2019	27.46	0.71	1/03/2019	28.09	0.81
1/04/2019	28.44	0.62	1/05/2019	28.48	0.55	1/06/2019	28.18	0.45
1/07/2019	27.64	0.35	1/08/2019	26.9	0.04	1/09/2019	26.75	0.03
1/10/2019	27.2	0.48	1/11/2019	27.22	0.52	1/12/2019	27.12	0.52
1/01/2020	27.15	0.6	1/02/2020	27.12	0.37	1/03/2020	27.76	0.48
1/04/2020	28.18	0.36	1/05/2020	27.66	-0.27	1/06/2020	27.39	-0.34
1/07/2020	26.99	-0.3	1/08/2020	26.26	-0.59	1/09/2020	25.89	-0.83
1/10/2020	25.46	-1.26	1/11/2020	25.28	-1.42	1/12/2020	25.44	-1.15
1/01/2021	25.55	-1	1/02/2021	25.75	-1	1/03/2021	26.48	-0.8
1/04/2021	27.1	-0.72	1/05/2021	27.47	-0.46	1/06/2021	27.45	-0.28
1/07/2021	26.9	-0.39	1/08/2021	26.32	-0.53	1/09/2021	26.17	-0.55

1/10/2021	25.77	-0.94	1/11/2021	25.76	-0.94	1/12/2021	25.54	-1.06
1/01/2022	25.6	-0.94	1/02/2022	25.86	-0.89	1/03/2022	26.31	-0.97
1/04/2022	26.7	-1.11	1/05/2022	26.82	-1.11	1/06/2022	26.98	-0.75
1/07/2022	26.6	-0.69	1/08/2022	25.88	-0.97	1/09/2022	25.65	-1.07
1/10/2022	25.73	-0.99	1/11/2022	25.8	-0.9	1/12/2022	25.75	-0.85
1/01/2023	25.83	-0.72	1/02/2023	26.29	-0.46	1/03/2023	27.17	-0.11
1/04/2023	27.96	0.14	1/05/2023	28.39	0.46	1/06/2023	28.57	0.84
1/07/2023	28.32	1.02	1/08/2023	28.2	1.35	1/09/2023	28.32	1.6
1/10/2023	28.44	1.72	1/11/2023	28.72	2.02	1/12/2023	28.62	2.03
1/01/2024	28.36	1.82	1/02/2024	28.31	1.56	0/01/1900	0	0

#### Anexo 4. ÍNDICE ONI.

Año	DEF	EFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO	SON	OND	NDE
<b>1950</b>	<b>-1.5</b>	<b>-1.3</b>	<b>-1.2</b>	<b>-1.2</b>	<b>-1.1</b>	<b>-0.9</b>	<b>-0.5</b>	-0.4	-0.4	-0.4	-0.6	-0.8
<b>1951</b>	-0.8	-0.5	-0.2	0.2	0.4	<b>0.6</b>	<b>0.7</b>	<b>0.9</b>	<b>1</b>	<b>1.2</b>	<b>1</b>	<b>0.8</b>
<b>1952</b>	<b>0.5</b>	0.4	0.3	0.3	0.2	0	-0.1	0	0.2	0.1	0	0.1
<b>1953</b>	0.4	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>	<b>0.7</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>
<b>1954</b>	<b>0.8</b>	<b>0.5</b>	0	-0.4	<b>-0.5</b>	<b>-0.5</b>	<b>-0.6</b>	<b>-0.8</b>	<b>-0.9</b>	<b>-0.8</b>	<b>-0.7</b>	<b>-0.7</b>
<b>1955</b>	<b>-0.7</b>	<b>-0.6</b>	<b>-0.7</b>	<b>-0.8</b>	<b>-0.8</b>	<b>-0.7</b>	<b>-0.7</b>	<b>-0.7</b>	<b>-1.1</b>	<b>-1.4</b>	<b>-1.7</b>	<b>-1.5</b>
<b>1956</b>	<b>-1.1</b>	<b>-0.8</b>	<b>-0.6</b>	<b>-0.5</b>	<b>-0.5</b>	<b>-0.5</b>	<b>-0.6</b>	<b>-0.6</b>	<b>-0.5</b>	-0.4	-0.4	-0.4
<b>1957</b>	-0.2	0.1	0.4	<b>0.7</b>	<b>0.9</b>	<b>1.1</b>	<b>1.3</b>	<b>1.3</b>	<b>1.3</b>	<b>1.4</b>	<b>1.5</b>	<b>1.7</b>
<b>1958</b>	<b>1.8</b>	<b>1.7</b>	<b>1.3</b>	<b>0.9</b>	<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	0.4	0.4	0.4	<b>0.5</b>	<b>0.6</b>
<b>1959</b>	<b>0.6</b>	<b>0.6</b>	<b>0.5</b>	0.3	0.2	-0.1	-0.2	-0.3	-0.1	0	0	0
<b>1960</b>	-0.1	-0.1	-0.1	0	0	0	0.1	0.2	0.3	0.2	0.1	0.1
<b>1961</b>	0	0	0	0.1	0.2	0.3	0.1	-0.1	-0.3	-0.3	-0.2	-0.2

1962	-0.2	-0.2	-0.2	-0.3	-0.3	-0.2	0	-0.1	-0.1	-0.2	-0.3	-0.4
1963	-0.4	-0.2	0.2	0.3	0.3	<b>0.5</b>	<b>0.9</b>	<b>1.1</b>	<b>1.2</b>	<b>1.3</b>	<b>1.4</b>	<b>1.3</b>
1964	<b>1.1</b>	<b>0.6</b>	0.1	-0.3	<b>-0.6</b>	<b>-0.6</b>	<b>-0.6</b>	<b>-0.7</b>	<b>-0.8</b>	<b>-0.8</b>	<b>-0.8</b>	<b>-0.8</b>
1965	<b>-0.6</b>	-0.3	-0.1	0.2	<b>0.5</b>	<b>0.8</b>	<b>1.2</b>	<b>1.5</b>	<b>1.9</b>	<b>2</b>	<b>2</b>	<b>1.7</b>
1966	<b>1.4</b>	<b>1.2</b>	<b>1</b>	<b>0.7</b>	0.4	0.2	0.2	0.1	-0.1	-0.1	-0.2	-0.3
1967	-0.4	-0.5	-0.5	-0.4	-0.2	0	0	-0.2	-0.3	-0.4	-0.3	-0.4
1968	-0.6	-0.7	-0.6	-0.4	0	0.3	0.6	0.5	0.4	<b>0.5</b>	<b>0.7</b>	<b>1</b>
1969	<b>1.1</b>	<b>1.1</b>	<b>0.9</b>	<b>0.8</b>	<b>0.6</b>	0.4	0.4	<b>0.5</b>	<b>0.8</b>	<b>0.9</b>	<b>0.8</b>	<b>0.6</b>
1970	<b>0.5</b>	0.3	0.3	0.2	0	-0.3	<b>-0.6</b>	<b>-0.8</b>	<b>-0.8</b>	<b>-0.7</b>	<b>-0.9</b>	<b>-1.1</b>
1971	<b>-1.4</b>	<b>-1.4</b>	<b>-1.1</b>	<b>-0.8</b>	<b>-0.7</b>	<b>-0.7</b>	<b>-0.8</b>	<b>-0.8</b>	<b>-0.8</b>	<b>-0.9</b>	<b>-1</b>	<b>-0.9</b>
1972	<b>-0.7</b>	-0.4	0.1	0.4	<b>0.7</b>	<b>0.9</b>	<b>1.1</b>	<b>1.4</b>	<b>1.6</b>	<b>1.8</b>	<b>2.1</b>	<b>2.1</b>
1973	<b>1.8</b>	<b>1.2</b>	<b>0.5</b>	-0.1	<b>-0.5</b>	<b>-0.9</b>	<b>-1.1</b>	<b>-1.3</b>	<b>-1.5</b>	<b>-1.7</b>	<b>-1.9</b>	<b>-2</b>
1974	<b>-1.8</b>	<b>-1.6</b>	<b>-1.2</b>	<b>-1</b>	<b>-0.9</b>	<b>-0.8</b>	<b>-0.5</b>	-0.4	-0.4	<b>-0.6</b>	<b>-0.8</b>	<b>-0.6</b>
1975	<b>-0.5</b>	<b>-0.6</b>	<b>-0.7</b>	<b>-0.7</b>	<b>-0.8</b>	<b>-1</b>	<b>-1.1</b>	<b>-1.2</b>	<b>-1.4</b>	<b>-1.4</b>	<b>-1.6</b>	<b>-1.7</b>
1976	<b>-1.6</b>	<b>-1.2</b>	<b>-0.7</b>	<b>-0.5</b>	-0.3	0	0.2	0.4	<b>0.6</b>	<b>0.8</b>	<b>0.9</b>	<b>0.8</b>
1977	<b>0.7</b>	<b>0.6</b>	0.3	0.2	0.2	0.3	0.4	0.4	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>
1978	<b>0.7</b>	0.4	0.1	-0.2	-0.3	-0.3	-0.4	-0.4	-0.4	-0.3	-0.1	0
1979	0	0.1	0.2	0.3	0.2	0	0	0.2	0.3	<b>0.5</b>	<b>0.5</b>	<b>0.6</b>
1980	<b>0.6</b>	<b>0.5</b>	0.3	0.4	0.5	0.5	0.3	0	-0.1	0	0.1	0
1981	-0.3	-0.5	-0.5	-0.4	-0.3	-0.3	-0.3	-0.2	-0.2	-0.1	-0.2	-0.1
1982	0	0.1	0.2	<b>0.5</b>	<b>0.7</b>	<b>0.7</b>	<b>0.8</b>	<b>1.1</b>	<b>1.6</b>	<b>2</b>	<b>2.2</b>	<b>2.2</b>
1983	<b>2.2</b>	<b>1.9</b>	<b>1.5</b>	<b>1.3</b>	<b>1.1</b>	<b>0.7</b>	0.3	-0.1	<b>-0.5</b>	<b>-0.8</b>	<b>-1</b>	<b>-0.9</b>
1984	<b>-0.6</b>	-0.4	-0.3	-0.4	-0.5	-0.4	-0.3	-0.2	-0.2	<b>-0.6</b>	<b>-0.9</b>	<b>-1.1</b>
1985	<b>-1</b>	<b>-0.8</b>	<b>-0.8</b>	<b>-0.8</b>	<b>-0.8</b>	<b>-0.6</b>	<b>-0.5</b>	<b>-0.5</b>	-0.4	-0.3	-0.3	-0.4
1986	-0.5	-0.5	-0.3	-0.2	-0.1	0	0.2	0.4	<b>0.7</b>	<b>0.9</b>	<b>1.1</b>	<b>1.2</b>

1987	1.2	1.2	1.1	0.9	1	1.2	1.5	1.7	1.6	1.5	1.3	1.1
1988	0.8	0.5	0.1	-0.3	-0.9	-1.3	-1.3	-1.1	-1.2	-1.5	-1.8	-1.8
1989	-1.7	-1.4	-1.1	-0.8	-0.6	-0.4	-0.3	-0.3	-0.2	-0.2	-0.2	-0.1
1990	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.4
1991	0.4	0.3	0.2	0.3	0.5	0.6	0.7	0.6	0.6	0.8	1.2	1.5
1992	1.7	1.6	1.5	1.3	1.1	0.7	0.4	0.1	-0.1	-0.2	-0.3	-0.1
1993	0.1	0.3	0.5	0.7	0.7	0.6	0.3	0.3	0.2	0.1	0	0.1
1994	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.6	0.7	1	1.1
1995	1	0.7	0.5	0.3	0.1	0	-0.2	-0.5	-0.8	-1	-1	-1
1996	-0.9	-0.8	-0.6	-0.4	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5
1997	-0.5	-0.4	-0.1	0.3	0.8	1.2	1.6	1.9	2.1	2.3	2.4	2.4
1998	2.2	1.9	1.4	1	0.5	-0.1	-0.8	-1.1	-1.3	-1.4	-1.5	-1.6
1999	-1.5	-1.3	-1.1	-1	-1	-1	-1.1	-1.1	-1.2	-1.3	-1.5	-1.7
2000	-1.7	-1.4	-1.1	-0.8	-0.7	-0.6	-0.6	-0.5	-0.5	-0.6	-0.7	-0.7
2001	-0.7	-0.5	-0.4	-0.3	-0.3	-0.1	-0.1	-0.1	-0.2	-0.3	-0.3	-0.3
2002	-0.1	0	0.1	0.2	0.4	0.7	0.8	0.9	1	1.2	1.3	1.1
2003	0.9	0.6	0.4	0	-0.3	-0.2	0.1	0.2	0.3	0.3	0.4	0.4
2004	0.4	0.3	0.2	0.2	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7
2005	0.6	0.6	0.4	0.4	0.3	0.1	-0.1	-0.1	-0.1	-0.3	-0.6	-0.8
2006	-0.9	-0.8	-0.6	-0.4	-0.1	0	0.1	0.3	0.5	0.8	0.9	0.9
2007	0.7	0.2	-0.1	-0.3	-0.4	-0.5	-0.6	-0.8	-1.1	-1.3	-1.5	-1.6
2008	-1.6	-1.5	-1.3	-1	-0.8	-0.6	-0.4	-0.2	-0.2	-0.4	-0.6	-0.7
2009	-0.8	-0.8	-0.6	-0.3	0	0.3	0.5	0.6	0.7	1	1.4	1.6
2010	1.5	1.2	0.8	0.4	-0.2	-0.7	-1	-1.3	-1.6	-1.6	-1.6	-1.6
2011	-1.4	-1.2	-0.9	-0.7	-0.6	-0.4	-0.5	-0.6	-0.8	-1	-1.1	-1

<b>2012</b>	<b>-0.9</b>	<b>-0.7</b>	<b>-0.6</b>	<b>-0.5</b>	-0.3	0	0.2	0.4	0.4	0.3	0.1	-0.2
<b>2013</b>	-0.4	-0.4	-0.3	-0.3	-0.4	-0.4	-0.4	-0.3	-0.3	-0.2	-0.2	-0.3
<b>2014</b>	-0.4	-0.5	-0.3	0	0.2	0.2	0	0.1	0.2	<b>0.5</b>	<b>0.6</b>	<b>0.7</b>
<b>2015</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.7</b>	<b>0.9</b>	<b>1.2</b>	<b>1.5</b>	<b>1.9</b>	<b>2.2</b>	<b>2.4</b>	<b>2.6</b>	<b>2.6</b>
<b>2016</b>	<b>2.5</b>	<b>2.1</b>	<b>1.6</b>	<b>0.9</b>	0.4	-0.1	-0.4	<b>-0.5</b>	<b>-0.6</b>	<b>-0.7</b>	<b>-0.7</b>	<b>-0.6</b>
<b>2017</b>	-0.3	-0.2	0.1	0.2	0.3	0.3	0.1	-0.1	-0.4	<b>-0.7</b>	<b>-0.8</b>	<b>-1</b>
<b>2018</b>	<b>-0.9</b>	<b>-0.9</b>	<b>-0.7</b>	<b>-0.5</b>	-0.2	0	0.1	0.2	<b>0.5</b>	<b>0.8</b>	<b>0.9</b>	<b>0.8</b>
<b>2019</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	0.3	0.1	0.2	0.3	0.5	0.5
<b>2020</b>	0.5	0.5	0.4	0.2	-0.1	-0.3	-0.4	<b>-0.6</b>	<b>-0.9</b>	<b>-1.2</b>	<b>-1.3</b>	<b>-1.2</b>
<b>2021</b>	<b>-1</b>	<b>-0.9</b>	<b>-0.8</b>	<b>-0.7</b>	<b>-0.5</b>	-0.4	-0.4	<b>-0.5</b>	<b>-0.7</b>	<b>-0.8</b>	<b>-1</b>	<b>-1</b>
<b>2022</b>	<b>-1</b>	<b>-0.9</b>	<b>-1</b>	<b>-1.1</b>	<b>-1</b>	<b>-0.9</b>	<b>-0.8</b>	<b>-0.9</b>	<b>-1</b>			

**Anexo 5 . SERIE SIMULADA DE CAUDAL CON EL MODELO SARIMAX (14,0,13) PARA LA ESTACIÓN TOTORÓ. RIO EL COFRE.**

Año	ene	feb	mar	abr	may	jun	jul	ago	sep	oct	nov	dic
1962							1.266	1.008	1.261	1.131	1.638	1.228
1963	1.392	1.076	1.905	1.173	1.356	2.058	1.229	1.199	1.286	0.979	1.135	1.887
1964	1.092	1.125	0.984	0.933	1.554	0.954	1.215	0.932	0.950	0.981	1.499	1.255
1965	1.327	0.968	0.833	0.900	1.189	1.212	0.865	1.196	1.163	1.007	1.627	2.520
1966	1.376	0.785	0.966	1.563	1.320	0.919	0.908	0.980	0.994	1.274	1.795	1.913
1967	1.514	1.123	1.338	1.733	1.270	0.930	1.475	1.634	1.387	1.414	1.959	2.171
1968	0.881	0.955	1.500	1.112	1.671	1.243	1.336	1.280	1.082	1.297	1.711	1.808
1969	1.259	0.952	1.394	1.210	1.351	0.962	1.266	1.029	0.821	0.810	2.526	1.160
1970	0.725	1.304	1.204	1.246	1.213	1.511	1.471	1.041	1.487	2.014	1.463	1.616
1971	1.310	1.585	1.494	1.274	1.945	1.275	0.982	1.219	1.189	1.377	1.569	1.347
1972	1.122	1.309	1.331	1.378	1.400	1.128	1.105	1.224	1.066	0.951	0.890	0.942

1973	1.041	0.819	0.842	0.863	0.755	0.754	0.728	0.832	0.847	0.843	1.431	1.298
1974	1.112	1.616	1.979	1.966	1.703	1.720	1.487	1.699	1.346	1.247	1.336	1.499
1975	1.417	1.450	1.312	1.169	0.939	1.190	1.237	1.188	1.170	1.042	1.446	1.819
1976	2.280	1.622	1.641	1.565	1.437	1.436	1.413	1.472	1.040	1.328	1.868	1.548
1977	1.018	0.898	0.899	0.813	0.997	0.993	1.033	0.846	0.806	0.958	1.031	1.077
1978	0.766	1.061	0.854	1.101	1.513	0.894	0.761	0.793	0.838	0.915	1.065	0.957
1979	0.909	0.717	0.727	1.055	1.011	0.750	0.931	0.917	0.981	1.150	1.101	1.563
1980	1.053	0.895	1.732	1.509	1.158	1.136	1.342	1.041	0.995	1.145	1.371	0.813
1981	0.830	0.954	0.784	0.700	1.176	1.383	0.671	1.136	0.927	0.841	0.859	1.419
1982	0.931	1.211	1.304	1.745	1.831	1.081	1.087	1.260	1.024	1.056	1.672	1.180
1983	1.220	0.977	1.314	1.496	1.528	0.938	0.988	1.124	1.002	1.120	1.515	1.606
1984	1.399	2.153	1.449	1.281	1.145	1.241	1.038	1.061	1.211	1.389	1.639	2.427
1985	1.497	1.191	1.039	1.172	1.141	0.998	0.980	1.534	1.722	1.416	1.635	1.677
1986	1.413	1.326	1.557	1.721	1.409	1.253	1.668	1.457	0.876	0.961	1.474	1.126
1987	0.890	0.845	0.739	0.739	0.896	1.158	0.838	0.899	0.880	0.836	1.184	1.336
1988	0.773	0.666	0.780	0.692	0.502	0.572	0.990	1.195	1.124	1.025	1.420	1.436
1989	0.951	0.897	1.029	1.228	1.186	1.649	1.400	1.199	0.713	0.909	1.285	0.907
1990	1.049	1.198	1.400	1.236	1.279	1.582	1.309	1.144	1.158	1.100	1.279	1.780
1991	1.628	0.864	0.709	1.147	0.977	0.896	0.737	1.359	1.251	0.818	0.943	1.167
1992	0.742	0.683	1.192	0.791	0.812	0.728	0.873	1.276	0.608	0.578	0.738	1.073
1993	0.876	1.006	0.745	0.807	0.914	1.087	1.198	0.882	0.503	0.683	1.011	1.867
1994	1.278	0.876	1.037	1.304	1.339	1.298	1.029	1.108	1.150	1.021	1.930	1.458
1995	1.074	1.105	1.097	1.037	1.408	1.011	0.930	1.117	0.802	0.832	1.217	0.972
1996	0.993	1.094	1.184	1.916	1.016	0.859	1.051	1.131	0.815	0.865	1.233	1.175
1997	0.990	1.663	1.255	0.902	0.809	1.106	1.138	1.164	0.806	0.809	0.861	1.123



**Anexo 6. CURVA DE DURACIÓN DE CAUDALES PARA LA ESTACIÓN LIMNIMÉTRICA TOTORÓ. Escenarios de Variabilidad.**

Escenario EO

QMM (m3/s)	número de orden	probabilidad de ocurrencia	Probabilidad de ocurrencia en horas
4.299	1.000	0.529	46.340
4.126	2.000	1.058	92.681
4.063	3.000	1.587	139.021
3.685	4.000	2.116	185.362
3.677	5.000	2.646	231.790
3.096	6.000	3.175	278.130
2.983	7.000	3.704	324.470
2.960	8.000	4.233	370.811
2.746	9.000	4.762	417.151
2.638	10.000	5.291	463.492
2.577	11.000	5.820	509.832
2.410	12.000	6.349	556.172
2.383	13.000	6.878	602.513
2.346	14.000	7.407	648.853
2.333	15.000	7.937	695.281
2.273	16.000	8.466	741.622
2.243	17.000	8.995	787.962
2.234	18.000	9.524	834.302
2.187	19.000	10.053	880.643
2.177	20.000	10.582	926.983
2.089	21.000	11.111	973.324
2.057	22.000	11.640	1019.664
2.056	23.000	12.169	1066.004
2.029	24.000	12.698	1112.345
2.025	25.000	13.228	1158.773
2.023	26.000	13.757	1205.113
1.967	27.000	14.286	1251.454
1.936	28.000	14.815	1297.794
1.922	29.000	15.344	1344.134
1.888	30.000	15.873	1390.475
1.887	31.000	16.402	1436.815
1.887	32.000	16.931	1483.156
1.857	33.000	17.460	1529.496
1.850	34.000	17.989	1575.836



1.841	35.000	18.519	1622.264
1.786	36.000	19.048	1668.605
1.774	37.000	19.577	1714.945
1.762	38.000	20.106	1761.286
1.730	39.000	20.635	1807.626
1.716	40.000	21.164	1853.966
1.691	41.000	21.693	1900.307
1.686	42.000	22.222	1946.647
1.672	43.000	22.751	1992.988
1.657	44.000	23.280	2039.328
1.655	45.000	23.810	2085.756
1.648	46.000	24.339	2132.096
1.635	47.000	24.868	2178.437
1.622	48.000	25.397	2224.777
1.620	49.000	25.926	2271.118
1.599	50.000	26.455	2317.458
1.597	51.000	26.984	2363.798
1.583	52.000	27.513	2410.139
1.581	53.000	28.042	2456.479
1.570	54.000	28.571	2502.820
1.560	55.000	29.101	2549.248
1.524	56.000	29.630	2595.588
1.515	57.000	30.159	2641.928
1.510	58.000	30.688	2688.269
1.494	59.000	31.217	2734.609
1.493	60.000	31.746	2780.950
1.491	61.000	32.275	2827.290
1.489	62.000	32.804	2873.630
1.464	63.000	33.333	2919.971
1.455	64.000	33.862	2966.311
1.451	65.000	34.392	3012.739
1.449	66.000	34.921	3059.080
1.439	67.000	35.450	3105.420
1.427	68.000	35.979	3151.760
1.425	69.000	36.508	3198.101
1.423	70.000	37.037	3244.441
1.407	71.000	37.566	3290.782
1.405	72.000	38.095	3337.122
1.402	73.000	38.624	3383.462
1.376	74.000	39.153	3429.803
1.372	75.000	39.683	3476.231
1.371	76.000	40.212	3522.571

1.357	77.000	40.741	3568.912
1.353	78.000	41.270	3615.252
1.353	79.000	41.799	3661.592
1.351	80.000	42.328	3707.933
1.351	81.000	42.857	3754.273
1.349	82.000	43.386	3800.614
1.340	83.000	43.915	3846.954
1.327	84.000	44.444	3893.294
1.326	85.000	44.974	3939.722
1.282	86.000	45.503	3986.063
1.281	87.000	46.032	4032.403
1.280	88.000	46.561	4078.744
1.278	89.000	47.090	4125.084
1.275	90.000	47.619	4171.424
1.259	91.000	48.148	4217.765
1.245	92.000	48.677	4264.105
1.244	93.000	49.206	4310.446
1.242	94.000	49.735	4356.786
1.236	95.000	50.265	4403.214
1.228	96.000	50.794	4449.554
1.224	97.000	51.323	4495.895
1.219	98.000	51.852	4542.235
1.215	99.000	52.381	4588.576
1.200	100.000	52.910	4634.916
1.200	101.000	53.439	4681.256
1.200	102.000	53.968	4727.597
1.200	103.000	54.497	4773.937
1.198	104.000	55.026	4820.278
1.196	105.000	55.556	4866.706
1.194	106.000	56.085	4913.046
1.191	107.000	56.614	4959.386
1.184	108.000	57.143	5005.727
1.183	109.000	57.672	5052.067
1.182	110.000	58.201	5098.408
1.179	111.000	58.730	5144.748
1.178	112.000	59.259	5191.088
1.176	113.000	59.788	5237.429
1.175	114.000	60.317	5283.769
1.170	115.000	60.847	5330.197
1.147	116.000	61.376	5376.538
1.145	117.000	61.905	5422.878
1.141	118.000	62.434	5469.218

1.133	119.000	62.963	5515.559
1.124	120.000	63.492	5561.899
1.115	121.000	64.021	5608.240
1.098	122.000	64.550	5654.580
1.091	123.000	65.079	5700.920
1.081	124.000	65.608	5747.261
1.043	125.000	66.138	5793.689
1.020	126.000	66.667	5840.029
0.995	127.000	67.196	5886.370
0.994	128.000	67.725	5932.710
0.987	129.000	68.254	5979.050
0.983	130.000	68.783	6025.391
0.982	131.000	69.312	6071.731
0.966	132.000	69.841	6118.072
0.964	133.000	70.370	6164.412
0.940	134.000	70.899	6210.752
0.936	135.000	71.429	6257.180
0.934	136.000	71.958	6303.521
0.929	137.000	72.487	6349.861
0.926	138.000	73.016	6396.202
0.923	139.000	73.545	6442.542
0.917	140.000	74.074	6488.882
0.912	141.000	74.603	6535.223
0.911	142.000	75.132	6581.563
0.907	143.000	75.661	6627.904
0.896	144.000	76.190	6674.244
0.866	145.000	76.720	6720.672
0.863	146.000	77.249	6767.012
0.858	147.000	77.778	6813.353
0.852	148.000	78.307	6859.693
0.851	149.000	78.836	6906.034
0.838	150.000	79.365	6952.374
0.828	151.000	79.894	6998.714
0.822	152.000	80.423	7045.055
0.814	153.000	80.952	7091.395
0.809	154.000	81.481	7137.736
0.802	155.000	82.011	7184.164
0.799	156.000	82.540	7230.504
0.799	157.000	83.069	7276.844
0.764	158.000	83.598	7323.185
0.760	159.000	84.127	7369.525
0.758	160.000	84.656	7415.866

0.753	161.000	85.185	7462.206
0.749	162.000	85.714	7508.546
0.746	163.000	86.243	7554.887
0.743	164.000	86.772	7601.227
0.741	165.000	87.302	7647.655
0.739	166.000	87.831	7693.996
0.738	167.000	88.360	7740.336
0.736	168.000	88.889	7786.676
0.731	169.000	89.418	7833.017
0.731	170.000	89.947	7879.357
0.708	171.000	90.476	7925.698
0.703	172.000	91.005	7972.038
0.693	173.000	91.534	8018.378
0.659	174.000	92.063	8064.719
0.654	175.000	92.593	8111.147
0.626	176.000	93.122	8157.487
0.617	177.000	93.651	8203.828
0.617	178.000	94.180	8250.168
0.616	179.000	94.709	8296.508
0.607	180.000	95.238	8342.849
0.589	181.000	95.767	8389.189
0.567	182.000	96.296	8435.530
0.563	183.000	96.825	8481.870
0.542	184.000	97.354	8528.210
0.537	185.000	97.884	8574.638
0.490	186.000	98.413	8620.979
0.462	187.000	98.942	8667.319
0.408	188.000	99.471	8713.660

Escenario EOH

QMM (m3/s)	Número de orden	Probabilidad de ocurrencia %	QMM (m3/s)	Número de orden	Probabilidad de ocurrencia %
4.2994	1	0.529	1.7157	40	21.164
4.1257	2	1.058	1.6911	41	21.693
4.0629	3	1.587	1.6865	42	22.222
3.6852	4	2.116	1.6719	43	22.751
3.6771	5	2.646	1.6566	44	23.280
3.0963	6	3.175	1.6555	45	23.810
2.9832	7	3.704	1.6479	46	24.339
2.9600	8	4.233	1.6347	47	24.868

2.7458	9	4.762	1.6225	48	25.397
2.6383	10	5.291	1.6201	49	25.926
2.5772	11	5.820	1.5989	50	26.455
2.4097	12	6.349	1.5971	51	26.984
2.3834	13	6.878	1.5826	52	27.513
2.3460	14	7.407	1.5810	53	28.042
2.3328	15	7.937	1.5703	54	28.571
2.2727	16	8.466	1.5598	55	29.101
2.2427	17	8.995	1.5235	56	29.630
2.2345	18	9.524	1.5149	57	30.159
2.1871	19	10.053	1.5101	58	30.688
2.1771	20	10.582	1.4943	59	31.217
2.0886	21	11.111	1.4927	60	31.746
2.0574	22	11.640	1.4913	61	32.275
2.0559	23	12.169	1.4887	62	32.804
2.0294	24	12.698	1.4636	63	33.333
2.0251	25	13.228	1.4548	64	33.862
2.0226	26	13.757	1.4505	65	34.392
1.9671	27	14.286	1.4491	66	34.921
1.9364	28	14.815	1.4386	67	35.450
1.9219	29	15.344	1.4270	68	35.979
1.8880	30	15.873	1.4246	69	36.508
1.8873	31	16.402	1.4227	70	37.037
1.8867	32	16.931	1.4070	71	37.566
1.8567	33	17.460	1.4045	72	38.095
1.8499	34	17.989	1.4018	73	38.624
1.8413	35	18.519	1.3758	74	39.153
1.7863	36	19.048	1.3724	75	39.683
1.7739	37	19.577	1.3712	76	40.212
1.7616	38	20.106	1.3574	77	40.741
1.3494	82	43.386	1.0430	125	66.138
1.3400	83	43.915	1.0198	126	66.667
1.3266	84	44.444	0.9947	127	67.196
1.3265	85	44.974	0.9936	128	67.725
1.2823	86	45.503	0.9868	129	68.254
1.2813	87	46.032	0.9827	130	68.783
1.2803	88	46.561	0.9817	131	69.312
1.2784	89	47.090	0.9655	132	69.841
1.2755	90	47.619	0.9640	133	70.370
1.2594	91	48.148	0.9402	134	70.899
1.2451	92	48.677	0.9359	135	71.429
1.2442	93	49.206	0.9337	136	71.958

1.2417	94	49.735	0.9290	137	72.487
1.2355	95	50.265	0.9265	138	73.016
1.2277	96	50.794	0.9233	139	73.545
1.2243	97	51.323	0.9171	140	74.074
1.2194	98	51.852	0.9123	141	74.603
1.2154	99	52.381	0.9114	142	75.132
1.2000	100	52.910	0.9073	143	75.661
1.2000	101	53.439	0.8959	144	76.190
1.2000	102	53.968	0.8655	145	76.720
1.2000	103	54.497	0.8629	146	77.249
1.1982	104	55.026	0.8582	147	77.778
1.1959	105	55.556	0.8517	148	78.307
1.1941	106	56.085	0.8510	149	78.836
1.1907	107	56.614	0.8384	150	79.365
1.1840	108	57.143	0.8281	151	79.894
1.1830	109	57.672	0.8217	152	80.423
1.1816	110	58.201	0.8137	153	80.952
1.1793	111	58.730	0.8089	154	81.481
1.1780	112	59.259	0.8019	155	82.011
1.1757	113	59.788	0.7994	156	82.540
1.1748	114	60.317	0.7988	157	83.069
1.1697	115	60.847	0.7644	158	83.598
1.1471	116	61.376	0.7599	159	84.127
1.1448	117	61.905	0.7583	160	84.656
1.1407	118	62.434	0.7533	161	85.185
1.1332	119	62.963	0.7488	162	85.714
1.1244	120	63.492	0.7463	163	86.243
1.1150	121	64.021	0.7429	164	86.772
1.0984	122	64.550	0.7413	165	87.302
1.0908	123	65.079	0.7389	166	87.831
1.0810	124	65.608	0.7383	167	88.360
0.7357	168	88.889			
0.7310	169	89.418			
0.7306	170	89.947			
0.7081	171	90.476			
0.7030	172	91.005			
0.6933	173	91.534			
0.6592	174	92.063			
0.6535	175	92.593			
0.6265	176	93.122			
0.6170	177	93.651			

0.6168	178	94.180
0.6156	179	94.709
0.6067	180	95.238
0.5887	181	95.767
0.5673	182	96.296
0.5627	183	96.825
0.5417	184	97.354
0.5373	185	97.884
0.4900	186	98.413
0.4620	187	98.942
0.4082	188	99.471

---

Escenario ESA

DE MAYOR A MENOR	Número de orden	PROBABILIDAD %	DE MAYOR A MENOR	Número de orden	PROBABILIDAD %
2.52649887	1	0.144300144	1.70348229	33	4.761904762
2.51992462	2	0.288600289	1.69920952	34	4.906204906
2.42662169	3	0.432900433	1.67685048	35	5.050505051
2.28009709	4	0.577200577	1.67199444	36	5.194805195
2.17099602	5	0.721500722	1.67136526	37	5.339105339
2.15347476	6	0.865800866	1.66757318	38	5.483405483
2.0582956	7	1.01010101	1.66280548	39	5.627705628
2.01424652	8	1.154401154	1.65068227	40	5.772005772
1.97890937	9	1.298701299	1.64927067	41	5.916305916
1.96576472	10	1.443001443	1.64087219	42	6.060606061
1.95888898	11	1.587301587	1.63877151	43	6.204906205
1.94544483	12	1.731601732	1.63757126	44	6.349206349
1.92970205	13	1.875901876	1.63484241	45	6.493506494
1.91586138	14	2.02020202	1.6345018	46	6.637806638
1.91281852	15	2.164502165	1.63413751	47	6.782106782
1.90513708	16	2.308802309	1.62814194	48	6.926406926
1.88687684	17	2.453102453	1.62679134	49	7.070707071
1.86762107	18	2.597402597	1.62213193	50	7.215007215
1.8672264	19	2.741702742	1.61643447	51	7.359307359
1.83050177	20	2.886002886	1.61626036	52	7.503607504
1.81865955	21	3.03030303	1.61107814	53	7.647907648
1.80826934	22	3.174603175	1.60610189	54	7.792207792
1.79519619	23	3.318903319	1.59980653	55	7.936507937
1.78248008	24	3.463203463	1.58839421	56	8.080808081

1.78025091	25	3.607503608	1.5854995	57	8.225108225
1.74549901	26	3.751803752	1.58487284	58	8.369408369
1.73291589	27	3.896103896	1.58228987	59	8.513708514
1.73196257	28	4.04040404	1.57729754	60	8.658008658
1.72177986	29	4.184704185	1.56859727	61	8.802308802
1.72120249	30	4.329004329	1.56670299	62	8.946608947
1.71994664	31	4.473304473	1.56508853	63	9.090909091
1.71064957	32	4.617604618	1.56466625	64	9.235209235
1.56311782	65	9.37950938	1.42003747	108	15.58441558
1.56275764	66	9.523809524	1.4194901	109	15.72871573
1.55808066	67	9.668109668	1.41708311	110	15.87301587
1.55749193	68	9.812409812	1.41571432	111	16.01731602
1.55439815	69	9.956709957	1.41439705	112	16.16161616
1.55360961	70	10.1010101	1.41323054	113	16.30591631
1.54756519	71	10.24531025	1.41301603	114	16.45021645
1.53403326	72	10.38961039	1.41259488	115	16.59451659
1.5280292	73	10.53391053	1.40879875	116	16.73881674
1.51530563	74	10.67821068	1.40850508	117	16.88311688
1.51496518	75	10.82251082	1.40784645	118	17.02741703
1.51441123	76	10.96681097	1.40025899	119	17.17171717
1.51324674	77	11.11111111	1.40018571	120	17.31601732
1.51138729	78	11.25541126	1.3998887	121	17.46031746
1.50914628	79	11.3997114	1.39892264	122	17.6046176
1.50043054	80	11.54401154	1.39366571	123	17.74891775
1.49942721	81	11.68831169	1.39357769	124	17.89321789
1.49867446	82	11.83261183	1.39239846	125	18.03751804
1.49840411	83	11.97691198	1.39201274	126	18.18181818
1.497435	84	12.12121212	1.3913008	127	18.32611833
1.49669129	85	12.26551227	1.3898417	128	18.47041847
1.49551839	86	12.40981241	1.38851092	129	18.61471861
1.49416969	87	12.55411255	1.38722495	130	18.75901876
1.48736045	88	12.6984127	1.38296958	131	18.9033189
1.4866447	89	12.84271284	1.37795333	132	19.04761905
1.47498152	90	12.98701299	1.37740919	133	19.19191919
1.47434582	91	13.13131313	1.37571029	134	19.33621934
1.47157602	92	13.27561328	1.37459033	135	19.48051948
1.47087737	93	13.41991342	1.37238311	136	19.62481962
1.46750224	94	13.56421356	1.37130117	137	19.76911977
1.46254793	95	13.70851371	1.36399889	138	19.91341991
1.45793041	96	13.85281385	1.35927187	139	20.05772006
1.45721219	97	13.997114	1.35870422	140	20.2020202
1.44987365	98	14.14141414	1.35633605	141	20.34632035



1.44857391	99	14.28571429	1.35532917	142	20.49062049
1.44699817	100	14.43001443	1.354262	143	20.63492063
1.44628994	101	14.57431457	1.35101654	144	20.77922078
1.44335721	102	14.71861472	1.34925272	145	20.92352092
1.43724682	103	14.86291486	1.34663321	146	21.06782107
1.43609839	104	15.00721501	1.34660386	147	21.21212121
1.43605391	105	15.15151515	1.34601511	148	21.35642136
1.43146327	106	15.2958153	1.34363088	149	21.5007215
1.42481004	107	15.44011544	1.3419628	150	21.64502165
1.33889222	151	21.78932179	1.26974771	194	27.99422799
1.33782418	152	21.93362193	1.26948016	195	28.13852814
1.33574117	153	22.07792208	1.26813164	196	28.28282828
1.3356646	154	22.22222222	1.26652665	197	28.42712843
1.33555783	155	22.36652237	1.26642155	198	28.57142857
1.33549999	156	22.51082251	1.2661773	199	28.71572872
1.33233492	157	22.65512266	1.26428643	200	28.86002886
1.33146407	158	22.7994228	1.26251184	201	29.004329
1.33044875	159	22.94372294	1.26069708	202	29.14862915
1.32794514	160	23.08802309	1.25985952	203	29.29292929
1.32681867	161	23.23232323	1.25873949	204	29.43722944
1.32623625	162	23.37662338	1.25825128	205	29.58152958
1.32329735	163	23.52092352	1.25536212	206	29.72582973
1.32016133	164	23.66522367	1.25503692	207	29.87012987
1.31707969	165	23.80952381	1.25457852	208	30.01443001
1.31425213	166	23.95382395	1.25306417	209	30.15873016
1.31168188	167	24.0981241	1.25124381	210	30.3030303
1.3101769	168	24.24242424	1.24721373	211	30.44733045
1.30923233	169	24.38672439	1.24576701	212	30.59163059
1.3087996	170	24.53102453	1.24291858	213	30.73593074
1.30851578	171	24.67532468	1.24136301	214	30.88023088
1.30444313	172	24.81962482	1.23742488	215	31.02453102
1.3043242	173	24.96392496	1.23564612	216	31.16883117
1.30357806	174	25.10822511	1.2333198	217	31.31313131
1.30122405	175	25.25252525	1.2294674	218	31.45743146
1.29828691	176	25.3968254	1.22822694	219	31.6017316
1.2977723	177	25.54112554	1.22789101	220	31.74603175
1.29738619	178	25.68542569	1.22484797	221	31.89033189
1.29538852	179	25.82972583	1.22366507	222	32.03463203
1.28567856	180	25.97402597	1.22030629	223	32.17893218
1.28468956	181	26.11832612	1.21859731	224	32.32323232
1.28466305	182	26.26262626	1.21734339	225	32.46753247
1.28191616	183	26.40692641	1.21500631	226	32.61183261

1.28112297	184	26.55122655	1.21331294	227	32.75613276
1.28032246	185	26.6955267	1.21289876	228	32.9004329
1.27931745	186	26.83982684	1.21245336	229	33.04473304
1.27884067	187	26.98412698	1.21104941	230	33.18903319
1.27779064	188	27.12842713	1.21099307	231	33.33333333
1.27633204	189	27.27272727	1.20976233	232	33.47763348
1.275042	190	27.41702742	1.20894547	233	33.62193362
1.27467431	191	27.56132756	1.20741782	234	33.76623377
1.27438166	192	27.70562771	1.20694566	235	33.91053391
1.27407663	193	27.84992785	1.20629091	236	34.05483405
1.20435887	237	34.1991342	1.15482426	280	40.4040404
1.20403846	238	34.34343434	1.15450221	281	40.54834055
1.20065749	239	34.48773449	1.15045473	282	40.69264069
1.1991488	240	34.63203463	1.1496395	283	40.83694084
1.1987228	241	34.77633478	1.14961344	284	40.98124098
1.19799776	242	34.92063492	1.1474111	285	41.12554113
1.19797597	243	35.06493506	1.1465339	286	41.26984127
1.1961112	244	35.20923521	1.14610669	287	41.41414141
1.19604432	245	35.35353535	1.1454707	288	41.55844156
1.19484091	246	35.4978355	1.1447081	289	41.7027417
1.19462485	247	35.64213564	1.14458726	290	41.84704185
1.1942887	248	35.78643579	1.1440022	291	41.99134199
1.19231545	249	35.93073593	1.14172008	292	42.13564214
1.19093123	250	36.07503608	1.14113189	293	42.27994228
1.18966572	251	36.21933622	1.14026525	294	42.42424242
1.18929902	252	36.36363636	1.13784479	295	42.56854257
1.18857783	253	36.50793651	1.13589698	296	42.71284271
1.18822913	254	36.65223665	1.13556073	297	42.85714286
1.18607598	255	36.7965368	1.13450374	298	43.001443
1.18423882	256	36.94083694	1.1318721	299	43.14574315
1.18383024	257	37.08513709	1.13143798	300	43.29004329
1.18201849	258	37.22943723	1.13123567	301	43.43434343
1.1801908	259	37.37373737	1.12807909	302	43.57864358
1.17999327	260	37.51803752	1.12596966	303	43.72294372
1.17641937	261	37.66233766	1.12548302	304	43.86724387
1.17492971	262	37.80663781	1.12430714	305	44.01154401
1.17342388	263	37.95093795	1.12399458	306	44.15584416
1.17290663	264	38.0952381	1.12388673	307	44.3001443
1.17178946	265	38.23953824	1.12311459	308	44.44444444
1.17083946	266	38.38383838	1.12278591	309	44.58874459
1.16962731	267	38.52813853	1.12194486	310	44.73304473
1.16895652	268	38.67243867	1.12181537	311	44.87734488

1.16840367	269	38.81673882	1.12117285	312	45.02164502
1.16796504	270	38.96103896	1.12014315	313	45.16594517
1.16683905	271	39.10533911	1.1171854	314	45.31024531
1.16530567	272	39.24963925	1.11676427	315	45.45454545
1.16369194	273	39.39393939	1.11487081	316	45.5988456
1.1631472	274	39.53823954	1.11373039	317	45.74314574
1.16102777	275	39.68253968	1.11291592	318	45.88744589
1.15961975	276	39.82683983	1.11230753	319	46.03174603
1.15819901	277	39.97113997	1.11200237	320	46.17604618
1.15813635	278	40.11544012	1.1080062	321	46.32034632
1.15751381	279	40.25974026	1.10726466	322	46.46464646
1.10594549	323	46.60894661	1.05327392	366	52.81385281
1.10498701	324	46.75324675	1.05218896	367	52.95815296
1.10460218	325	46.8975469	1.05107076	368	53.1024531
1.10434682	326	47.04184704	1.04888751	369	53.24675325
1.10126397	327	47.18614719	1.04244112	370	53.39105339
1.10091064	328	47.33044733	1.04151824	371	53.53535354
1.09994504	329	47.47474747	1.04149726	372	53.67965368
1.09981336	330	47.61904762	1.04143082	373	53.82395382
1.09869818	331	47.76334776	1.04132954	374	53.96825397
1.09825558	332	47.90764791	1.04095222	375	54.11255411
1.09782244	333	48.05194805	1.0396847	376	54.25685426
1.09689492	334	48.1962482	1.03916788	377	54.4011544
1.09670092	335	48.34054834	1.03897101	378	54.54545455
1.09394884	336	48.48484848	1.03848484	379	54.68975469
1.09229152	337	48.62914863	1.03674988	380	54.83405483
1.09158113	338	48.77344877	1.03666529	381	54.97835498
1.08926796	339	48.91774892	1.03664643	382	55.12265512
1.08884678	340	49.06204906	1.03486813	383	55.26695527
1.08734225	341	49.20634921	1.03255947	384	55.41125541
1.08701306	342	49.35064935	1.03250746	385	55.55555556
1.08612581	343	49.49494949	1.03090686	386	55.6998557
1.08577631	344	49.63924964	1.03083895	387	55.84415584
1.08151325	345	49.78354978	1.029418	388	55.98845599
1.080827	346	49.92784993	1.02930161	389	56.13275613
1.08067427	347	50.07215007	1.02858498	390	56.27705628
1.07938878	348	50.21645022	1.02474768	391	56.42135642
1.07746443	349	50.36075036	1.02420335	392	56.56565657
1.0766698	350	50.50505051	1.0241648	393	56.70995671
1.07645661	351	50.64935065	1.02320719	394	56.85425685
1.07389262	352	50.79365079	1.02143197	395	56.998557
1.07326952	353	50.93795094	1.02003392	396	57.14285714

1.06759358	354	51.08225108	1.01857356	397	57.28715729
1.06682343	355	51.22655123	1.017663	398	57.43145743
1.06576155	356	51.37085137	1.01615083	399	57.57575758
1.06512976	357	51.51515152	1.01132702	400	57.72005772
1.06118838	358	51.65945166	1.01117205	401	57.86435786
1.06090309	359	51.8037518	1.01106834	402	58.00865801
1.06032062	360	51.94805195	1.01094891	403	58.15295815
1.05600467	361	52.09235209	1.0099685	404	58.2972583
1.05528135	362	52.23665224	1.00993449	405	58.44155844
1.05500057	363	52.38095238	1.00791591	406	58.58585859
1.0540348	364	52.52525253	1.00755998	407	58.73015873
1.05387223	365	52.66955267	1.00672776	408	58.87445887
1.00635087	409	59.01875902	0.95682143	452	65.22366522
1.00390309	410	59.16305916	0.95654757	453	65.36796537
1.00249137	411	59.30735931	0.95638741	454	65.51226551
1.00186291	412	59.45165945	0.95503255	455	65.65656566
0.99895758	413	59.5959596	0.95488145	456	65.8008658
0.99824548	414	59.74025974	0.95430343	457	65.94516595
0.99677773	415	59.88455988	0.95397406	458	66.08946609
0.99530645	416	60.02886003	0.95369877	459	66.23376623
0.99498086	417	60.17316017	0.95366408	460	66.37806638
0.99386955	418	60.31746032	0.9521836	461	66.52236652
0.99318554	419	60.46176046	0.95129598	462	66.66666667
0.99291583	420	60.60606061	0.95108978	463	66.81096681
0.99050599	421	60.75036075	0.95005362	464	66.95526696
0.99018458	422	60.89466089	0.94977501	465	67.0995671
0.98975718	423	61.03896104	0.94731177	466	67.24386724
0.98913513	424	61.18326118	0.94295163	467	67.38816739
0.98776065	425	61.32756133	0.9421211	468	67.53246753
0.9839295	426	61.47186147	0.94077823	469	67.67676768
0.98350155	427	61.61616162	0.94032023	470	67.82106782
0.98308527	428	61.76046176	0.93988833	471	67.96536797
0.98189041	429	61.9047619	0.93894088	472	68.10966811
0.98078204	430	62.04906205	0.93776575	473	68.25396825
0.98052268	431	62.19336219	0.93768496	474	68.3982684
0.97992476	432	62.33766234	0.93737819	475	68.54256854
0.97987337	433	62.48196248	0.93696197	476	68.68686869
0.97955242	434	62.62626263	0.93589158	477	68.83116883
0.97938604	435	62.77056277	0.93303036	478	68.97546898
0.97887243	436	62.91486291	0.93234958	479	69.11976912
0.97734453	437	63.05916306	0.93227918	480	69.26406926
0.97732839	438	63.2034632	0.93093331	481	69.40836941

0.97713137	439	63.34776335	0.9307768	482	69.55266955
0.97433827	440	63.49206349	0.93016403	483	69.6969697
0.97200136	441	63.63636364	0.93012467	484	69.84126984
0.96950028	442	63.78066378	0.92985322	485	69.98556999
0.968313	443	63.92496392	0.92730859	486	70.12987013
0.96632886	444	64.06926407	0.92408612	487	70.27417027
0.96592673	445	64.21356421	0.92276518	488	70.41847042
0.96567172	446	64.35786436	0.92150217	489	70.56277056
0.9627983	447	64.5021645	0.92055827	490	70.70707071
0.96220898	448	64.64646465	0.92033326	491	70.85137085
0.96131945	449	64.79076479	0.91996001	492	70.995671
0.95834987	450	64.93506494	0.91994275	493	71.13997114
0.95776358	451	65.07936508	0.91931013	494	71.28427128
0.91864017	495	71.42857143	0.8759956	538	77.63347763
0.91839994	496	71.57287157	0.87596659	539	77.77777778
0.91709929	497	71.71717172	0.87469444	540	77.92207792
0.91588792	498	71.86147186	0.87254553	541	78.06637807
0.91471993	499	72.00577201	0.87086571	542	78.21067821
0.91448378	500	72.15007215	0.86939489	543	78.35497835
0.91411476	501	72.29437229	0.8652701	544	78.4992785
0.91259232	502	72.43867244	0.86522289	545	78.64357864
0.90929609	503	72.58297258	0.86406337	546	78.78787879
0.90851341	504	72.72727273	0.86370329	547	78.93217893
0.90776742	505	72.87157287	0.86349937	548	79.07647908
0.90715339	506	73.01587302	0.86321885	549	79.22077922
0.90714418	507	73.16017316	0.86300757	550	79.36507937
0.90627572	508	73.3044733	0.86267774	551	79.50937951
0.90290794	509	73.44877345	0.86093435	552	79.65367965
0.9022047	510	73.59307359	0.85994205	553	79.7979798
0.90177615	511	73.73737374	0.85876319	554	79.94227994
0.90156137	512	73.88167388	0.85867877	555	80.08658009
0.89954106	513	74.02597403	0.8583538	556	80.23088023
0.89926901	514	74.17027417	0.85726549	557	80.37518038
0.89917916	515	74.31457431	0.85702375	558	80.51948052
0.89827627	516	74.45887446	0.85352651	559	80.66378066
0.89732527	517	74.6031746	0.85238779	560	80.80808081
0.89659148	518	74.74747475	0.85206051	561	80.95238095
0.89658135	519	74.89177489	0.84715622	562	81.0966811
0.89564044	520	75.03607504	0.846875	563	81.24098124
0.89562019	521	75.18037518	0.84640655	564	81.38528139
0.89536772	522	75.32467532	0.84491477	565	81.52958153
0.89487295	523	75.46897547	0.84489141	566	81.67388167

0.89380299	524	75.61327561	0.8448911	567	81.81818182
0.89022719	525	75.75757576	0.84455902	568	81.96248196
0.8902004	526	75.9018759	0.84306941	569	82.10678211
0.88906741	527	76.04617605	0.84211542	570	82.25108225
0.88729209	528	76.19047619	0.84207311	571	82.3953824
0.88721121	529	76.33477633	0.84160566	572	82.53968254
0.88626122	530	76.47907648	0.84118314	573	82.68398268
0.8824475	531	76.62337662	0.84052868	574	82.82828283
0.88174459	532	76.76767677	0.8385846	575	82.97258297
0.88081413	533	76.91197691	0.83839511	576	83.11688312
0.88044853	534	77.05627706	0.83774365	577	83.26118326
0.87943635	535	77.2005772	0.83629968	578	83.40548341
0.87658771	536	77.34487734	0.8355597	579	83.54978355
0.87617236	537	77.48917749	0.83426199	580	83.69408369
0.83417132	581	83.83838384	0.78383052	624	90.04329004
0.83371227	582	83.98268398	0.78345262	625	90.18759019
0.83365854	583	84.12698413	0.77994989	626	90.33189033
0.8333163	584	84.27128427	0.77788393	627	90.47619048
0.83291843	585	84.41558442	0.77600383	628	90.62049062
0.83276122	586	84.55988456	0.77505225	629	90.76479076
0.83234089	587	84.7041847	0.7730785	630	90.90909091
0.83190381	588	84.84848485	0.76641992	631	91.05339105
0.83183959	589	84.99278499	0.76384534	632	91.1976912
0.82957846	590	85.13708514	0.76225215	633	91.34199134
0.82903537	591	85.28138528	0.76086149	634	91.48629149
0.82054747	592	85.42568543	0.7597083	635	91.63059163
0.81902348	593	85.56998557	0.75646626	636	91.77489177
0.81900401	594	85.71428571	0.75633259	637	91.91919192
0.81881796	595	85.85858586	0.75534024	638	92.06349206
0.81791238	596	86.002886	0.7536953	639	92.20779221
0.81685577	597	86.14718615	0.75210177	640	92.35209235
0.81609705	598	86.29148629	0.74954768	641	92.4963925
0.81508513	599	86.43578644	0.748462	642	92.64069264
0.81278843	600	86.58008658	0.74539128	643	92.78499278
0.81277845	601	86.72438672	0.74212546	644	92.92929293
0.81207509	602	86.86868687	0.7416668	645	93.07359307
0.81114492	603	87.01298701	0.74115792	646	93.21789322
0.81031513	604	87.15728716	0.7394689	647	93.36219336
0.80944486	605	87.3015873	0.73928514	648	93.50649351
0.80906471	606	87.44588745	0.73911502	649	93.65079365
0.80854981	607	87.59018759	0.73882672	650	93.7950938
0.80851015	608	87.73448773	0.73794334	651	93.93939394

0.80794544	609	87.87878788	0.73737311	652	94.08369408
0.80707061	610	88.02308802	0.73138839	653	94.22799423
0.80637189	611	88.16738817	0.73014851	654	94.37229437
0.80567857	612	88.31168831	0.72959452	655	94.51659452
0.80530907	613	88.45598846	0.72845949	656	94.66089466
0.805289	614	88.6002886	0.72778286	657	94.80519481
0.80245113	615	88.74458874	0.72747262	658	94.94949495
0.80171752	616	88.88888889	0.72540536	659	95.09379509
0.8010495	617	89.03318903	0.71804077	660	95.23809524
0.79923373	618	89.17748918	0.716666	661	95.38239538
0.79902608	619	89.32178932	0.71512367	662	95.52669553
0.79314179	620	89.46608947	0.71390562	663	95.67099567
0.79208836	621	89.61038961	0.71271779	664	95.81529582
0.79055773	622	89.75468975	0.70854767	665	95.95959596
0.78503729	623	89.8989899	0.70156271	666	96.1038961
0.6999768	667	96.24819625			
0.69613919	668	96.39249639			
0.69441623	669	96.53679654			
0.69327471	670	96.68109668			
0.69189423	671	96.82539683			
0.69174614	672	96.96969697			
0.68608871	673	97.11399711			
0.68310536	674	97.25829726			
0.68290721	675	97.4025974			
0.67811524	676	97.54689755			
0.67121785	677	97.69119769			
0.66569609	678	97.83549784			
0.66270869	679	97.97979798			
0.64665475	680	98.12409812			
0.61312518	681	98.26839827			
0.60795566	682	98.41269841			
0.59062864	683	98.55699856			
0.57834052	684	98.7012987			
0.57173254	685	98.84559885			
0.56116667	686	98.98989899			
0.53881437	687	99.13419913			
0.51140806	688	99.27849928			
0.50436331	689	99.42279942			
0.50258553	690	99.56709957			
0.50204003	691	99.71139971			
0.45141129	692	99.85569986			

## **Anexo 7. ENERGÍA, POTENCIA Y FACTOR DE PLANTA PARA LA CORRIENTE EL COFRE.**

Serie histórica. Escenario EO-1

QMMM (m<sup>3</sup>/s)      1.2084

QMM 85% (m<sup>3</sup>/s)      0.68

Caudal medio mensual m <sup>3</sup> /s	orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (Mwh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
1.0	1.0	3.8	0.1	12.4	12.4	3.7			46.5	4678.9	4725.4	32796.4	0.1
3.2	2.0	3.8	0.3	12.4	24.8	3.7	46.4	46.4	92.9	4632.5	4725.3	32778.7	0.1
1.4	3.0	3.6	0.4	12.4	37.2	3.6	45.2	91.7	132.2	4587.2	4719.4	31103.1	0.2
1.4	4.0	3.4	0.6	12.4	49.6	3.4	43.0	134.7	167.8	4544.2	4712.0	29612.3	0.2
0.9	5.0	3.4	0.7	12.4	62.0	3.4	41.9	176.6	209.7	4502.3	4712.0	29610.5	0.2
1.3	6.0	3.4	0.9	12.4	74.4	3.3	41.6	218.2	247.1	4460.7	4707.8	29070.8	0.2
2.4	7.0	3.0	1.0	12.4	86.9	2.9	38.9	257.1	256.1	4421.8	4677.9	25825.0	0.2
1.0	8.0	3.0	1.1	12.4	99.3	2.9	36.5	293.6	291.8	4385.3	4677.2	25755.7	0.2
0.9	9.0	3.0	1.3	12.4	111.7	2.9	36.5	330.1	328.0	4348.9	4676.8	25728.0	0.2
0.7	10.0	2.8	1.4	12.4	124.1	2.7	35.2	365.2	339.0	4313.7	4652.7	23933.1	0.2
0.9	11.0	2.7	1.6	12.4	136.5	2.6	33.3	398.5	360.1	4280.4	4640.5	23114.5	0.2
0.8	12.0	2.5	1.7	12.4	148.9	2.5	31.6	430.2	366.3	4248.7	4615.0	21549.8	0.2
1.3	13.0	2.4	1.8	12.4	161.3	2.4	30.1	460.3	386.2	4218.6	4604.8	20974.3	0.2
1.7	14.0	2.4	2.0	12.4	173.7	2.4	29.6	489.9	411.8	4189.1	4600.8	20764.9	0.2
1.3	15.0	2.3	2.1	12.4	186.1	2.3	28.8	518.6	422.4	4160.3	4582.6	19879.8	0.2
1.7	16.0	2.3	2.3	12.4	198.5	2.3	28.1	546.7	448.6	4132.2	4580.7	19792.9	0.2
0.8	17.0	2.3	2.4	12.4	210.9	2.2	27.9	574.6	471.8	4104.3	4576.1	19593.3	0.2
1.5	18.0	2.2	2.6	12.4	223.3	2.1	27.0	601.7	473.5	4077.3	4550.7	18570.7	0.2
1.6	19.0	2.1	2.7	12.4	235.8	2.0	25.7	627.4	477.8	4051.5	4529.3	17752.6	0.3
2.7	20.0	2.0	2.8	12.4	248.2	2.0	25.0	652.4	497.1	4026.5	4523.6	17548.0	0.3
1.2	21.0	2.0	3.0	12.4	260.6	2.0	24.8	677.2	520.5	4001.7	4522.3	17500.4	0.3



3.4	22.0	2.0	3.1	12.4	273.0	1.9	24.3	701.5	524.4	3977.4	4501.8	16829.1	0.3
1.0	23.0	1.9	3.3	12.4	285.4	1.9	23.5	725.0	532.9	3953.9	4486.8	16358.4	0.3
1.3	24.0	1.9	3.4	12.4	297.8	1.9	23.1	748.2	554.2	3930.8	4485.0	16304.0	0.3
2.5	25.0	1.9	3.5	12.4	310.2	1.8	22.8	771.0	563.6	3907.9	4471.6	15917.3	0.3
1.5	26.0	1.9	3.7	12.4	322.6	1.8	22.5	793.5	585.7	3885.4	4471.1	15903.6	0.3
1.4	27.0	1.8	3.8	12.4	335.0	1.8	22.3	815.8	596.4	3863.1	4459.5	15595.9	0.3
1.8	28.0	1.8	4.0	12.4	347.4	1.8	22.0	837.8	614.6	3841.1	4455.7	15497.8	0.3
0.7	29.0	1.8	4.1	12.4	359.8	1.7	21.7	859.6	622.9	3819.4	4442.3	15164.8	0.3
0.8	30.0	1.7	4.2	12.4	372.2	1.7	21.3	880.9	635.1	3798.0	4433.1	14945.1	0.3
2.6	31.0	1.7	4.4	12.4	384.6	1.7	21.1	902.0	652.7	3776.9	4429.6	14864.1	0.3
1.4	32.0	1.7	4.5	12.4	397.1	1.7	20.9	922.9	663.5	3756.0	4419.5	14638.4	0.3
1.1	33.0	1.7	4.7	12.4	409.5	1.7	20.7	943.6	682.6	3735.3	4417.9	14603.5	0.3
0.9	34.0	1.7	4.8	12.4	421.9	1.6	20.5	964.1	689.5	3714.8	4404.3	14316.9	0.3
0.8	35.0	1.7	5.0	12.4	434.3	1.6	20.2	984.3	705.6	3694.6	4400.2	14233.2	0.3
1.5	36.0	1.7	5.1	12.4	446.7	1.6	20.1	1004.4	724.3	3674.5	4398.7	14203.7	0.3
0.9	37.0	1.6	5.2	12.4	459.1	1.6	19.8	1024.2	717.3	3654.7	4372.0	13686.7	0.3
1.4	38.0	1.6	5.4	12.4	471.5	1.6	19.4	1043.6	735.2	3635.4	4370.6	13659.6	0.3
0.7	39.0	1.6	5.5	12.4	483.9	1.6	19.3	1062.9	754.3	3616.0	4370.3	13655.2	0.3
1.2	40.0	1.6	5.7	12.4	496.3	1.5	19.2	1082.1	760.9	3596.8	4357.7	13429.4	0.3
0.8	41.0	1.6	5.8	12.4	508.7	1.5	19.0	1101.1	775.8	3577.9	4353.6	13358.6	0.3
1.2	42.0	1.5	5.9	12.4	521.1	1.5	18.9	1119.9	789.0	3559.0	4348.0	13262.7	0.3
1.2	43.0	1.5	6.1	12.4	533.5	1.5	18.7	1138.6	799.9	3540.3	4340.2	13133.8	0.3
2.4	44.0	1.5	6.2	12.4	545.9	1.5	18.5	1157.1	811.1	3521.8	4332.9	13013.8	0.3
1.1	45.0	1.5	6.4	12.4	558.4	1.5	18.4	1175.5	825.5	3503.4	4328.9	12951.3	0.3
0.7	46.0	1.5	6.5	12.4	570.8	1.5	18.3	1193.8	838.3	3485.1	4323.4	12865.7	0.3
0.5	47.0	1.5	6.7	12.4	583.2	1.5	18.2	1212.0	851.1	3467.0	4318.1	12785.3	0.3
1.5	48.0	1.5	6.8	12.4	595.6	1.4	18.0	1229.9	856.7	3449.0	4305.7	12601.0	0.3
1.6	49.0	1.5	6.9	12.4	608.0	1.4	17.8	1247.7	866.9	3431.2	4298.1	12490.0	0.3
1.1	50.0	1.4	7.1	12.4	620.4	1.4	17.4	1265.1	857.3	3413.8	4271.1	12104.9	0.4
1.4	51.0	1.4	7.2	12.4	632.8	1.4	17.1	1282.2	865.9	3396.7	4262.6	11986.9	0.4
1.3	52.0	1.4	7.4	12.4	645.2	1.4	16.9	1299.1	873.9	3379.8	4253.7	11864.8	0.4
1.0	53.0	1.4	7.5	12.4	657.6	1.4	16.8	1315.9	888.6	3363.0	4251.7	11836.9	0.4
1.9	54.0	1.4	7.6	12.4	670.0	1.3	16.8	1332.6	904.4	3346.3	4250.6	11823.6	0.4

4.5	55.0	1.4	7.8	12.4	682.4	1.3	16.7	1349.3	917.0	3329.6	4246.5	11770.4	0.4
2.5	56.0	1.3	7.9	12.4	694.8	1.3	16.5	1365.9	919.8	3313.0	4232.8	11595.8	0.4
0.9	57.0	1.3	8.1	12.4	707.3	1.3	16.4	1382.3	933.2	3296.6	4229.9	11558.9	0.4
0.8	58.0	1.3	8.2	12.4	719.7	1.3	16.4	1398.6	947.8	3280.3	4228.1	11537.5	0.4
1.2	59.0	1.3	8.4	12.4	732.1	1.3	16.3	1414.9	954.9	3264.0	4218.9	11426.7	0.4
1.2	60.0	1.3	8.5	12.4	744.5	1.3	16.0	1430.9	954.3	3248.0	4202.3	11229.4	0.4
1.0	61.0	1.3	8.6	12.4	756.9	1.3	15.8	1446.7	955.7	3232.2	4187.9	11060.7	0.4
0.7	62.0	1.3	8.8	12.4	769.3	1.3	15.6	1462.4	967.0	3216.5	4183.5	11010.8	0.4
0.8	63.0	1.3	8.9	12.4	781.7	1.2	15.5	1477.9	970.8	3201.0	4171.8	10879.2	0.4
0.9	64.0	1.3	9.1	12.4	794.1	1.2	15.4	1493.3	984.5	3185.6	4170.2	10860.5	0.4
0.9	65.0	1.3	9.2	12.4	806.5	1.2	15.4	1508.6	997.7	3170.3	4168.0	10836.2	0.4
1.6	66.0	1.3	9.3	12.4	818.9	1.2	15.3	1523.9	1009.3	3155.0	4164.3	10796.9	0.4
4.1	67.0	1.3	9.5	12.4	831.3	1.2	15.3	1539.2	1020.0	3139.7	4159.7	10747.7	0.4
4.5	68.0	1.2	9.6	12.4	843.7	1.2	15.2	1554.4	1027.9	3124.5	4152.4	10672.0	0.4
1.5	69.0	1.2	9.8	12.4	856.1	1.2	15.1	1569.5	1039.2	3109.4	4148.7	10633.3	0.4
1.1	70.0	1.2	9.9	12.4	868.6	1.2	15.0	1584.4	1040.9	3094.5	4135.4	10498.0	0.4
1.9	71.0	1.2	10.0	12.4	881.0	1.2	14.8	1599.2	1044.0	3079.7	4123.7	10381.0	0.4
1.6	72.0	1.2	10.2	12.4	893.4	1.2	14.7	1613.9	1058.1	3065.0	4123.1	10375.3	0.4
1.0	73.0	1.2	10.3	12.4	905.8	1.2	14.7	1628.6	1072.2	3050.3	4122.5	10369.8	0.4
1.9	74.0	1.2	10.5	12.4	918.2	1.2	14.6	1643.3	1081.0	3035.7	4116.7	10313.7	0.4
2.1	75.0	1.2	10.6	12.4	930.6	1.2	14.5	1657.8	1084.7	3021.1	4105.8	10210.5	0.4
1.4	76.0	1.2	10.8	12.4	943.0	1.2	14.5	1672.2	1098.2	3006.7	4104.8	10201.4	0.4
0.9	77.0	1.2	10.9	12.4	955.4	1.2	14.4	1686.6	1102.8	2992.3	4095.1	10111.8	0.4
1.3	78.0	1.2	11.0	12.4	967.8	1.1	14.3	1700.9	1112.9	2978.0	4090.9	10073.0	0.4
3.1	79.0	1.2	11.2	12.4	980.2	1.1	14.3	1715.2	1126.9	2963.7	4090.6	10071.1	0.4
1.3	80.0	1.2	11.3	12.4	992.6	1.1	14.3	1729.4	1139.3	2949.5	4088.7	10053.9	0.4
1.2	81.0	1.2	11.5	12.4	1005.0	1.1	14.2	1743.6	1145.0	2935.3	4080.2	9979.6	0.4
1.4	82.0	1.1	11.6	12.4	1017.5	1.1	14.0	1757.6	1137.5	2921.3	4058.7	9793.3	0.4
1.1	83.0	1.1	11.7	12.4	1029.9	1.1	13.8	1771.5	1146.6	2907.4	4054.0	9753.1	0.4
3.0	84.0	1.1	11.9	12.4	1042.3	1.1	13.7	1785.2	1148.0	2893.7	4041.6	9648.3	0.4
1.2	85.0	1.1	12.0	12.4	1054.7	1.1	13.6	1798.8	1144.6	2880.1	4024.7	9507.0	0.4
1.5	86.0	1.1	12.2	12.4	1067.1	1.1	13.5	1812.3	1157.7	2866.7	4024.4	9504.2	0.4
1.6	87.0	1.1	12.3	12.4	1079.5	1.1	13.4	1825.7	1164.7	2853.2	4017.9	9451.5	0.4

1.4	88.0	1.1	12.5	12.4	1091.9	1.1	13.4	1839.0	1171.7	2839.9	4011.6	9400.2	0.4
1.1	89.0	1.1	12.6	12.4	1104.3	1.1	13.3	1852.3	1183.8	2826.6	4010.4	9390.8	0.4
1.5	90.0	1.1	12.7	12.4	1116.7	1.1	13.3	1865.6	1196.1	2813.3	4009.3	9382.4	0.4
3.5	91.0	1.1	12.9	12.4	1129.1	1.1	13.3	1878.9	1206.2	2800.0	4006.2	9358.1	0.4
2.0	92.0	1.1	13.0	12.4	1141.5	1.1	13.2	1892.1	1211.2	2786.8	3998.0	9294.9	0.4
0.9	93.0	1.1	13.2	12.4	1153.9	1.1	13.1	1905.3	1218.6	2773.7	3992.2	9250.6	0.4
1.4	94.0	1.1	13.3	12.4	1166.3	1.0	13.0	1918.3	1219.2	2760.6	3979.8	9156.9	0.4
0.8	95.0	1.1	13.4	12.4	1178.8	1.0	12.9	1931.2	1222.8	2747.7	3970.5	9087.4	0.4
2.2	96.0	1.1	13.6	12.4	1191.2	1.0	12.8	1944.0	1227.1	2734.9	3962.0	9024.6	0.4
0.9	97.0	1.0	13.7	12.4	1203.6	1.0	12.8	1956.8	1238.3	2722.1	3960.4	9012.9	0.4
1.3	98.0	1.0	13.9	12.4	1216.0	1.0	12.7	1969.5	1235.5	2709.4	3944.9	8900.4	0.4
0.9	99.0	1.0	14.0	12.4	1228.4	1.0	12.5	1982.0	1235.9	2696.9	3932.7	8813.3	0.4
0.7	100.0	1.0	14.1	12.4	1240.8	1.0	12.4	1994.5	1235.5	2684.4	3919.9	8722.5	0.4
0.4	101.0	1.0	14.3	12.4	1253.2	1.0	12.3	2006.8	1243.0	2672.1	3915.2	8688.9	0.5
3.7	102.0	1.0	14.4	12.4	1265.6	1.0	12.3	2019.1	1252.6	2659.8	3912.4	8669.8	0.5
1.5	103.0	1.0	14.6	12.4	1278.0	1.0	12.3	2031.4	1262.8	2647.6	3910.4	8655.8	0.5
0.9	104.0	1.0	14.7	12.4	1290.4	1.0	12.3	2043.6	1274.1	2635.3	3909.4	8649.0	0.5
1.3	105.0	1.0	14.9	12.4	1302.8	1.0	12.2	2055.8	1278.1	2623.1	3901.2	8593.6	0.5
1.3	106.0	1.0	15.0	12.4	1315.2	1.0	12.2	2068.0	1289.4	2610.9	3900.3	8587.8	0.5
1.2	107.0	1.0	15.1	12.4	1327.6	1.0	12.1	2080.1	1291.9	2598.8	3890.7	8524.3	0.5
1.5	108.0	1.0	15.3	12.4	1340.1	1.0	12.0	2092.1	1287.5	2586.8	3874.3	8416.1	0.5
2.4	109.0	1.0	15.4	12.4	1352.5	1.0	11.9	2104.0	1297.7	2574.9	3872.6	8405.1	0.5
2.1	110.0	1.0	15.6	12.4	1364.9	1.0	11.9	2115.9	1307.6	2563.0	3870.6	8392.2	0.5
1.1	111.0	1.0	15.7	12.4	1377.3	1.0	11.9	2127.8	1318.0	2551.1	3869.1	8382.9	0.5
1.5	112.0	1.0	15.8	12.4	1389.7	1.0	11.9	2139.6	1324.7	2539.3	3864.0	8350.4	0.5
1.2	113.0	1.0	16.0	12.4	1402.1	1.0	11.8	2151.5	1336.5	2527.4	3863.9	8349.9	0.5
1.7	114.0	1.0	16.1	12.4	1414.5	0.9	11.8	2163.3	1343.1	2515.6	3858.7	8317.7	0.5
3.1	115.0	1.0	16.3	12.4	1426.9	0.9	11.8	2175.0	1348.5	2503.9	3852.4	8278.5	0.5
1.3	116.0	1.0	16.4	12.4	1439.3	0.9	11.7	2186.7	1350.6	2492.2	3842.8	8220.0	0.5
2.0	117.0	1.0	16.6	12.4	1451.7	0.9	11.6	2198.4	1361.2	2480.6	3841.8	8213.8	0.5
1.6	118.0	1.0	16.7	12.4	1464.1	0.9	11.6	2210.0	1371.3	2468.9	3840.2	8204.6	0.5
1.2	119.0	1.0	16.8	12.4	1476.5	0.9	11.6	2221.6	1380.7	2457.3	3838.0	8191.1	0.5
2.3	120.0	0.9	17.0	12.4	1489.0	0.9	11.5	2233.1	1376.6	2445.8	3822.4	8099.3	0.5

1.4	121.0	0.9	17.1	12.4	1501.4	0.9	11.5	2244.6	1385.4	2434.3	3819.7	8083.2	0.5
1.2	122.0	0.9	17.3	12.4	1513.8	0.9	11.4	2256.0	1396.1	2422.9	3819.0	8079.1	0.5
1.2	123.0	0.9	17.4	12.4	1526.2	0.9	11.4	2267.5	1400.4	2411.5	3811.9	8038.3	0.5
1.1	124.0	0.9	17.5	12.4	1538.6	0.9	11.4	2278.8	1405.3	2400.1	3805.4	8001.2	0.5
1.2	125.0	0.9	17.7	12.4	1551.0	0.9	11.3	2290.1	1405.1	2388.8	3793.9	7936.0	0.5
1.4	126.0	0.9	17.8	12.4	1563.4	0.9	11.2	2301.3	1409.4	2377.6	3787.0	7896.9	0.5
1.9	127.0	0.9	18.0	12.4	1575.8	0.9	11.2	2312.5	1417.8	2366.4	3784.2	7881.5	0.5
1.2	128.0	0.9	18.1	12.4	1588.2	0.9	11.2	2323.6	1427.4	2355.3	3782.6	7872.8	0.5
1.6	129.0	0.9	18.3	12.4	1600.6	0.9	11.1	2334.8	1429.2	2344.1	3773.4	7822.0	0.5
1.7	130.0	0.9	18.4	12.4	1613.0	0.9	11.1	2345.8	1434.9	2333.1	3768.0	7792.4	0.5
1.5	131.0	0.9	18.5	12.4	1625.4	0.9	11.0	2356.8	1439.2	2322.1	3761.3	7756.4	0.5
2.1	132.0	0.9	18.7	12.4	1637.8	0.9	11.0	2367.8	1447.6	2311.1	3758.7	7742.5	0.5
1.4	133.0	0.9	18.8	12.4	1650.3	0.9	11.0	2378.8	1458.6	2300.1	3758.7	7742.5	0.5
1.2	134.0	0.9	19.0	12.4	1662.7	0.9	10.9	2389.7	1462.3	2289.2	3751.5	7704.1	0.5
1.4	135.0	0.9	19.1	12.4	1675.1	0.9	10.9	2400.6	1467.4	2278.3	3745.7	7674.0	0.5
1.2	136.0	0.9	19.2	12.4	1687.5	0.9	10.9	2411.5	1477.3	2267.4	3744.7	7668.8	0.5
0.8	137.0	0.9	19.4	12.4	1699.9	0.9	10.8	2422.3	1484.7	2256.6	3741.3	7651.0	0.5
0.6	138.0	0.9	19.5	12.4	1712.3	0.9	10.8	2433.2	1493.8	2245.8	3739.6	7642.4	0.5
1.0	139.0	0.9	19.7	12.4	1724.7	0.9	10.8	2444.0	1499.1	2235.0	3734.1	7614.2	0.5
1.1	140.0	0.9	19.8	12.4	1737.1	0.9	10.7	2454.7	1499.8	2224.2	3724.0	7563.4	0.5
0.6	141.0	0.9	19.9	12.4	1749.5	0.9	10.7	2465.4	1510.0	2213.5	3723.5	7560.9	0.5
0.6	142.0	0.9	20.1	12.4	1761.9	0.9	10.7	2476.1	1513.3	2202.8	3716.2	7524.1	0.5
0.6	143.0	0.9	20.2	12.4	1774.3	0.9	10.7	2486.8	1522.0	2192.2	3714.2	7514.2	0.5
0.6	144.0	0.9	20.4	12.4	1786.7	0.8	10.6	2497.3	1516.8	2181.6	3698.3	7436.3	0.5
0.6	145.0	0.9	20.5	12.4	1799.2	0.8	10.5	2507.8	1504.8	2171.1	3675.9	7326.6	0.5
0.5	146.0	0.8	20.7	12.4	1811.6	0.8	10.4	2518.2	1510.3	2160.8	3671.1	7303.4	0.5
0.7	147.0	0.8	20.8	12.4	1824.0	0.8	10.3	2528.5	1509.4	2150.4	3659.8	7249.1	0.5
0.9	148.0	0.8	20.9	12.4	1836.4	0.8	10.3	2538.7	1519.6	2140.2	3659.8	7249.1	0.5
0.7	149.0	0.8	21.1	12.4	1848.8	0.8	10.3	2549.0	1527.0	2129.9	3656.9	7235.2	0.5
1.3	150.0	0.8	21.2	12.4	1861.2	0.8	10.2	2559.2	1530.0	2119.7	3649.7	7201.4	0.5
1.2	151.0	0.8	21.4	12.4	1873.6	0.8	10.2	2569.4	1539.8	2109.5	3649.3	7199.2	0.5
1.6	152.0	0.8	21.5	12.4	1886.0	0.8	10.2	2579.6	1544.8	2099.3	3644.1	7175.0	0.5
3.0	153.0	0.8	21.6	12.4	1898.4	0.8	10.1	2589.7	1549.3	2089.2	3638.5	7149.3	0.5

4.1	154.0	0.8	21.8	12.4	1910.8	0.8	10.1	2599.9	1556.0	2079.1	3635.0	7133.2	0.5
3.7	155.0	0.8	21.9	12.4	1923.2	0.8	10.1	2610.0	1566.0	2069.0	3634.9	7132.7	0.5
2.3	156.0	0.8	22.1	12.4	1935.6	0.8	10.1	2620.1	1574.4	2058.9	3633.3	7125.2	0.5
2.4	157.0	0.8	22.2	12.4	1948.0	0.8	10.0	2630.1	1567.0	2048.8	3615.9	7046.7	0.5
1.4	158.0	0.8	22.4	12.4	1960.5	0.8	10.0	2640.0	1567.7	2038.9	3606.6	7005.1	0.5
2.1	159.0	0.8	22.5	12.4	1972.9	0.8	9.9	2650.0	1575.9	2029.0	3604.9	6997.4	0.5
1.4	160.0	0.8	22.6	12.4	1985.3	0.8	9.9	2659.9	1582.7	2019.1	3601.8	6983.7	0.5
1.0	161.0	0.8	22.8	12.4	1997.7	0.8	9.9	2669.7	1589.9	2009.2	3599.1	6971.9	0.5
1.1	162.0	0.8	22.9	12.4	2010.1	0.8	9.9	2679.6	1599.3	1999.3	3598.6	6969.7	0.5
1.4	163.0	0.8	23.1	12.4	2022.5	0.8	9.9	2689.5	1604.5	1989.4	3593.9	6949.5	0.5
1.1	164.0	0.8	23.2	12.4	2034.9	0.8	9.8	2699.3	1601.5	1979.6	3581.1	6894.3	0.5
1.3	165.0	0.8	23.3	12.4	2047.3	0.8	9.7	2709.0	1605.3	1969.9	3575.1	6868.5	0.5
1.4	166.0	0.8	23.5	12.4	2059.7	0.8	9.7	2718.7	1598.8	1960.2	3559.0	6799.7	0.5
1.7	167.0	0.8	23.6	12.4	2072.1	0.8	9.6	2728.3	1603.3	1950.6	3553.9	6778.0	0.5
0.9	168.0	0.8	23.8	12.4	2084.5	0.8	9.6	2737.9	1606.9	1941.0	3547.9	6752.9	0.5
1.4	169.0	0.8	23.9	12.4	2096.9	0.8	9.6	2747.5	1612.8	1931.5	3544.2	6737.4	0.5
1.2	170.0	0.8	24.1	12.4	2109.3	0.8	9.5	2757.0	1621.5	1921.9	3543.4	6733.9	0.5
1.3	171.0	0.8	24.2	12.4	2121.8	0.8	9.5	2766.5	1628.2	1912.4	3540.6	6722.5	0.5
1.3	172.0	0.8	24.3	12.4	2134.2	0.8	9.5	2776.0	1634.4	1902.9	3537.2	6708.5	0.5
0.8	173.0	0.8	24.5	12.4	2146.6	0.8	9.5	2785.5	1640.1	1893.4	3533.5	6693.2	0.5
1.5	174.0	0.8	24.6	12.4	2159.0	0.8	9.5	2795.0	1641.1	1883.9	3525.0	6658.6	0.5
2.6	175.0	0.8	24.8	12.4	2171.4	0.8	9.4	2804.4	1649.4	1874.5	3523.9	6654.3	0.5
4.3	176.0	0.8	24.9	12.4	2183.8	0.8	9.4	2813.8	1650.7	1865.1	3515.8	6621.5	0.5
1.8	177.0	0.8	25.0	12.4	2196.2	0.8	9.4	2823.2	1658.5	1855.7	3514.2	6615.1	0.5
2.1	178.0	0.8	25.2	12.4	2208.6	0.8	9.4	2832.6	1666.4	1846.4	3512.8	6609.6	0.5
2.2	179.0	0.8	25.3	12.4	2221.0	0.8	9.3	2841.9	1666.4	1837.0	3503.4	6572.4	0.5
1.9	180.0	0.8	25.5	12.4	2233.4	0.7	9.3	2851.2	1674.9	1827.7	3502.6	6569.2	0.5
1.8	181.0	0.8	25.6	12.4	2245.8	0.7	9.3	2860.5	1681.1	1818.4	3499.5	6557.2	0.5
1.6	182.0	0.8	25.7	12.4	2258.2	0.7	9.3	2869.8	1684.9	1809.1	3494.1	6536.1	0.5
1.9	183.0	0.8	25.9	12.4	2270.7	0.7	9.3	2879.0	1691.8	1799.9	3491.6	6526.7	0.5
1.1	184.0	0.8	26.0	12.4	2283.1	0.7	9.2	2888.3	1699.0	1790.6	3489.6	6518.9	0.5
1.2	185.0	0.8	26.2	12.4	2295.5	0.7	9.2	2897.5	1701.5	1781.4	3482.9	6493.3	0.5
1.6	186.0	0.7	26.3	12.4	2307.9	0.7	9.1	2906.6	1692.5	1772.3	3464.8	6424.3	0.5

1.5	187.0	0.7	26.5	12.4	2320.3	0.7	9.1	2915.7	1700.3	1763.2	3463.5	6419.4	0.5
1.3	188.0	0.7	26.6	12.4	2332.7	0.7	9.1	2924.8	1704.1	1754.1	3458.2	6399.3	0.5
0.7	189.0	0.7	26.7	12.4	2345.1	0.7	9.1	2933.9	1713.1	1745.0	3458.1	6399.1	0.5
0.6	190.0	0.7	26.9	12.4	2357.5	0.7	9.1	2942.9	1720.4	1736.0	3456.3	6392.5	0.5
0.6	191.0	0.7	27.0	12.4	2369.9	0.7	9.0	2952.0	1726.6	1726.9	3453.6	6382.2	0.5
1.1	192.0	0.7	27.2	12.4	2382.3	0.7	9.0	2961.0	1735.5	1717.9	3453.4	6381.4	0.5
1.1	193.0	0.7	27.3	12.4	2394.7	0.7	9.0	2970.0	1733.7	1708.9	3442.6	6342.0	0.5
1.1	194.0	0.7	27.4	12.4	2407.1	0.7	9.0	2979.0	1731.8	1699.9	3431.8	6302.4	0.5
0.8	195.0	0.7	27.6	12.4	2419.5	0.7	8.9	2987.9	1739.4	1691.0	3430.5	6297.7	0.5
0.6	196.0	0.7	27.7	12.4	2432.0	0.7	8.9	2996.8	1747.8	1682.1	3429.8	6295.5	0.5
0.7	197.0	0.7	27.9	12.4	2444.4	0.7	8.9	3005.7	1749.4	1673.2	3422.6	6269.4	0.5
1.0	198.0	0.7	28.0	12.4	2456.8	0.7	8.9	3014.6	1752.1	1664.3	3416.5	6247.5	0.5
1.4	199.0	0.7	28.2	12.4	2469.2	0.7	8.8	3023.4	1759.8	1655.5	3415.3	6243.4	0.5
0.8	200.0	0.7	28.3	12.4	2481.6	0.7	8.8	3032.3	1767.6	1646.6	3414.2	6239.5	0.5
1.5	201.0	0.7	28.4	12.4	2494.0	0.7	8.8	3041.1	1772.6	1637.8	3410.4	6226.2	0.5
0.6	202.0	0.7	28.6	12.4	2506.4	0.7	8.8	3049.9	1779.0	1629.0	3408.0	6217.9	0.5
0.8	203.0	0.7	28.7	12.4	2518.8	0.7	8.8	3058.7	1786.8	1620.2	3407.0	6214.0	0.5
1.7	204.0	0.7	28.9	12.4	2531.2	0.7	8.8	3067.5	1792.3	1611.4	3403.7	6202.9	0.5
0.9	205.0	0.7	29.0	12.4	2543.6	0.7	8.8	3076.3	1797.4	1602.6	3400.0	6190.1	0.5
0.7	206.0	0.7	29.1	12.4	2556.0	0.7	8.8	3085.0	1803.0	1593.9	3396.8	6179.0	0.5
0.6	207.0	0.7	29.3	12.4	2568.4	0.7	8.8	3093.8	1811.2	1585.1	3396.3	6177.3	0.5
0.6	208.0	0.7	29.4	12.4	2580.8	0.7	8.7	3102.5	1800.0	1576.4	3376.5	6109.7	0.6
0.6	209.0	0.7	29.6	12.4	2593.3	0.7	8.6	3111.1	1780.0	1567.8	3347.8	6012.7	0.6
0.9	210.0	0.7	29.7	12.4	2605.7	0.7	8.5	3119.6	1788.0	1559.3	3347.3	6011.1	0.6
1.0	211.0	0.7	29.8	12.4	2618.1	0.7	8.5	3128.1	1794.6	1550.8	3345.4	6004.7	0.6
0.8	212.0	0.7	30.0	12.4	2630.5	0.7	8.5	3136.6	1801.3	1542.3	3343.6	5998.7	0.6
0.7	213.0	0.7	30.1	12.4	2642.9	0.7	8.5	3145.1	1808.8	1533.8	3342.6	5995.4	0.6
0.5	214.0	0.7	30.3	12.4	2655.3	0.7	8.5	3153.6	1812.5	1525.3	3337.8	5979.5	0.6
0.8	215.0	0.7	30.4	12.4	2667.7	0.7	8.4	3162.0	1812.0	1516.9	3328.9	5950.1	0.6
1.3	216.0	0.7	30.6	12.4	2680.1	0.7	8.4	3170.5	1817.4	1508.5	3325.9	5940.2	0.6
0.8	217.0	0.7	30.7	12.4	2692.5	0.7	8.4	3178.8	1812.3	1500.1	3312.4	5896.3	0.6
1.0	218.0	0.7	30.8	12.4	2704.9	0.7	8.3	3187.2	1808.6	1491.8	3300.4	5857.4	0.6
0.8	219.0	0.7	31.0	12.4	2717.3	0.7	8.3	3195.4	1805.7	1483.5	3289.2	5821.2	0.6

0.9	220.0	0.7	31.1	12.4	2729.7	0.7	8.2	3203.7	1808.5	1475.2	3283.7	5803.5	0.6
1.0	221.0	0.7	31.3	12.4	2742.2	0.7	8.2	3211.9	1810.6	1467.0	3277.6	5784.0	0.6
1.0	222.0	0.7	31.4	12.4	2754.6	0.7	8.2	3220.1	1818.1	1458.8	3276.9	5781.8	0.6
2.7	223.0	0.7	31.5	12.4	2767.0	0.7	8.2	3228.2	1825.7	1450.7	3276.3	5779.9	0.6
1.4	224.0	0.7	31.7	12.4	2779.4	0.7	8.2	3236.4	1830.3	1442.5	3272.8	5768.8	0.6
0.9	225.0	0.7	31.8	12.4	2791.8	0.7	8.2	3244.6	1837.8	1434.3	3272.1	5766.6	0.6
2.0	226.0	0.7	32.0	12.4	2804.2	0.7	8.2	3252.8	1844.9	1426.1	3271.0	5763.2	0.6
1.6	227.0	0.7	32.1	12.4	2816.6	0.7	8.2	3260.9	1849.5	1418.0	3267.5	5752.1	0.6
1.5	228.0	0.7	32.3	12.4	2829.0	0.7	8.1	3269.1	1853.2	1409.9	3263.0	5738.3	0.6
1.3	229.0	0.7	32.4	12.4	2841.4	0.6	8.1	3277.2	1846.3	1401.8	3248.0	5692.0	0.6
1.7	230.0	0.7	32.5	12.4	2853.8	0.6	8.1	3285.2	1852.3	1393.7	3246.0	5685.6	0.6
0.9	231.0	0.7	32.7	12.4	2866.2	0.6	8.0	3293.3	1857.7	1385.7	3243.4	5677.7	0.6
0.8	232.0	0.7	32.8	12.4	2878.6	0.6	8.0	3301.3	1865.0	1377.6	3242.6	5675.5	0.6
0.8	233.0	0.7	33.0	12.4	2891.0	0.6	8.0	3309.3	1871.8	1369.6	3241.4	5671.7	0.6
1.1	234.0	0.7	33.1	12.4	2903.5	0.6	8.0	3317.4	1879.9	1361.5	3241.4	5671.7	0.6
0.7	235.0	0.7	33.2	12.4	2915.9	0.6	8.0	3325.4	1881.2	1353.5	3234.7	5651.5	0.6
0.8	236.0	0.7	33.4	12.4	2928.3	0.6	8.0	3333.4	1883.3	1345.5	3228.8	5633.9	0.6
0.6	237.0	0.7	33.5	12.4	2940.7	0.6	7.9	3341.3	1875.6	1337.6	3213.2	5587.2	0.6
0.5	238.0	0.6	33.7	12.4	2953.1	0.6	7.9	3349.2	1878.4	1329.7	3208.0	5572.0	0.6
0.5	239.0	0.6	33.8	12.4	2965.5	0.6	7.9	3357.1	1884.4	1321.8	3206.1	5566.3	0.6
1.5	240.0	0.6	34.0	12.4	2977.9	0.6	7.9	3365.0	1888.9	1313.9	3202.8	5556.4	0.6
2.1	241.0	0.6	34.1	12.4	2990.3	0.6	7.9	3372.9	1896.4	1306.0	3202.4	5555.3	0.6
0.6	242.0	0.6	34.2	12.4	3002.7	0.6	7.9	3380.7	1901.9	1298.2	3200.1	5548.6	0.6
1.4	243.0	0.6	34.4	12.4	3015.1	0.6	7.8	3388.6	1899.9	1290.3	3190.2	5519.8	0.6
0.6	244.0	0.6	34.5	12.4	3027.5	0.6	7.8	3396.4	1903.6	1282.5	3186.1	5507.8	0.6
0.6	245.0	0.6	34.7	12.4	3039.9	0.6	7.8	3404.2	1910.3	1274.7	3185.1	5504.9	0.6
0.6	246.0	0.6	34.8	12.4	3052.4	0.6	7.8	3412.0	1916.3	1266.9	3183.2	5499.6	0.6
2.2	247.0	0.6	34.9	12.4	3064.8	0.6	7.8	3419.7	1905.8	1259.2	3164.9	5447.2	0.6
1.1	248.0	0.6	35.1	12.4	3077.2	0.6	7.7	3427.4	1896.5	1251.5	3148.0	5399.0	0.6
2.0	249.0	0.6	35.2	12.4	3089.6	0.6	7.6	3435.0	1886.9	1243.9	3130.8	5349.9	0.6
1.3	250.0	0.6	35.4	12.4	3102.0	0.6	7.5	3442.6	1872.9	1236.4	3109.3	5289.2	0.6
1.6	251.0	0.6	35.5	12.4	3114.4	0.6	7.5	3450.0	1872.9	1228.9	3101.8	5268.1	0.6
2.3	252.0	0.6	35.6	12.4	3126.8	0.6	7.4	3457.5	1866.7	1221.4	3088.1	5229.6	0.6

1.8	253.0	0.6	35.8	12.4	3139.2	0.6	7.4	3464.9	1865.5	1214.1	3079.6	5205.7	0.6
1.1	254.0	0.6	35.9	12.4	3151.6	0.6	7.4	3472.2	1870.0	1206.7	3076.7	5197.7	0.6
1.8	255.0	0.6	36.1	12.4	3164.0	0.6	7.4	3479.6	1872.7	1199.3	3072.0	5184.8	0.6
1.3	256.0	0.6	36.2	12.4	3176.4	0.6	7.3	3486.9	1876.9	1192.0	3068.9	5176.1	0.6
0.9	257.0	0.6	36.4	12.4	3188.8	0.6	7.3	3494.2	1881.0	1184.7	3065.7	5167.3	0.6
1.5	258.0	0.6	36.5	12.4	3201.2	0.6	7.3	3501.6	1885.3	1177.4	3062.6	5158.9	0.6
1.3	259.0	0.6	36.6	12.4	3213.7	0.6	7.3	3508.8	1887.5	1170.1	3057.6	5145.0	0.6
1.6	260.0	0.6	36.8	12.4	3226.1	0.6	7.3	3516.1	1893.8	1162.8	3056.6	5142.4	0.6
0.9	261.0	0.6	36.9	12.4	3238.5	0.6	7.3	3523.4	1891.8	1155.5	3047.3	5117.3	0.6
1.6	262.0	0.6	37.1	12.4	3250.9	0.6	7.2	3530.6	1894.8	1148.3	3043.1	5106.0	0.6
1.5	263.0	0.6	37.2	12.4	3263.3	0.6	7.2	3537.9	1897.6	1141.0	3038.6	5093.8	0.6
2.5	264.0	0.6	37.3	12.4	3275.7	0.6	7.2	3545.1	1893.4	1133.9	3027.2	5063.3	0.6
0.9	265.0	0.6	37.5	12.4	3288.1	0.6	7.1	3552.2	1874.3	1126.7	3001.0	4993.4	0.6
0.8	266.0	0.6	37.6	12.4	3300.5	0.6	7.1	3559.2	1879.6	1119.7	2999.3	4988.7	0.6
1.0	267.0	0.6	37.8	12.4	3312.9	0.6	7.1	3566.3	1886.1	1112.6	2998.7	4987.3	0.6
1.0	268.0	0.6	37.9	12.4	3325.3	0.6	7.1	3573.4	1889.9	1105.5	2995.5	4978.7	0.6
0.9	269.0	0.6	38.1	12.4	3337.7	0.6	7.0	3580.4	1860.9	1098.6	2959.5	4884.0	0.6
1.7	270.0	0.6	38.2	12.4	3350.1	0.6	6.9	3587.3	1857.3	1091.7	2949.0	4856.5	0.6
2.1	271.0	0.6	38.3	12.4	3362.5	0.6	6.9	3594.1	1861.0	1084.8	2945.8	4848.2	0.6
2.0	272.0	0.6	38.5	12.4	3375.0	0.6	6.9	3601.0	1865.3	1077.9	2943.2	4841.5	0.6
3.7	273.0	0.6	38.6	12.4	3387.4	0.6	6.8	3607.8	1866.4	1071.1	2937.5	4826.7	0.6
1.3	274.0	0.6	38.8	12.4	3399.8	0.6	6.8	3614.7	1871.5	1064.2	2935.7	4822.1	0.6
1.2	275.0	0.6	38.9	12.4	3412.2	0.5	6.8	3621.5	1874.5	1057.4	2931.9	4812.4	0.6
1.4	276.0	0.6	39.0	12.4	3424.6	0.5	6.8	3628.3	1878.8	1050.6	2929.4	4805.9	0.6
2.0	277.0	0.6	39.2	12.4	3437.0	0.5	6.8	3635.1	1875.0	1043.8	2918.8	4778.8	0.6
0.9	278.0	0.6	39.3	12.4	3449.4	0.5	6.8	3641.9	1879.8	1037.1	2916.8	4773.9	0.6
0.9	279.0	0.6	39.5	12.4	3461.8	0.5	6.8	3648.6	1883.7	1030.3	2914.0	4766.6	0.6
1.1	280.0	0.6	39.6	12.4	3474.2	0.5	6.7	3655.4	1887.7	1023.5	2911.3	4759.7	0.6
1.2	281.0	0.6	39.8	12.4	3486.6	0.5	6.7	3662.1	1890.3	1016.8	2907.1	4749.4	0.6
1.7	282.0	0.6	39.9	12.4	3499.0	0.5	6.7	3668.8	1888.1	1010.1	2898.2	4727.0	0.6
4.1	283.0	0.5	40.0	12.4	3511.4	0.5	6.7	3675.5	1886.6	1003.4	2890.0	4706.4	0.6
1.5	284.0	0.5	40.2	12.4	3523.9	0.5	6.7	3682.1	1884.6	996.8	2881.3	4684.9	0.6
1.7	285.0	0.5	40.3	12.4	3536.3	0.5	6.6	3688.8	1888.3	990.1	2878.5	4677.7	0.6



1.0	286.0	0.5	40.5	12.4	3548.7	0.5	6.6	3695.4	1877.9	983.5	2861.4	4635.7	0.6
1.0	287.0	0.5	40.6	12.4	3561.1	0.5	6.6	3701.9	1882.6	977.0	2859.6	4631.0	0.6
0.9	288.0	0.5	40.7	12.4	3573.5	0.5	6.6	3708.5	1887.1	970.4	2857.6	4626.1	0.6
1.4	289.0	0.5	40.9	12.4	3585.9	0.5	6.5	3715.0	1883.3	963.9	2847.1	4600.6	0.6
1.2	290.0	0.5	41.0	12.4	3598.3	0.5	6.5	3721.5	1875.3	957.4	2832.7	4565.4	0.6
2.0	291.0	0.5	41.2	12.4	3610.7	0.5	6.5	3728.0	1877.3	950.9	2828.3	4554.6	0.6
2.0	292.0	0.5	41.3	12.4	3623.1	0.5	6.4	3734.4	1874.6	944.5	2819.1	4532.4	0.6
1.2	293.0	0.5	41.4	12.4	3635.5	0.5	6.4	3740.8	1870.1	938.1	2808.2	4506.1	0.6
1.4	294.0	0.5	41.6	12.4	3647.9	0.5	6.4	3747.2	1876.1	931.7	2807.8	4505.2	0.6
2.8	295.0	0.5	41.7	12.4	3660.3	0.5	6.4	3753.5	1867.2	925.4	2792.6	4468.7	0.6
2.3	296.0	0.5	41.9	12.4	3672.7	0.5	6.3	3759.9	1873.5	919.0	2792.6	4468.7	0.6
1.9	297.0	0.5	42.0	12.4	3685.2	0.5	6.3	3766.2	1879.9	912.7	2792.6	4468.7	0.6
2.4	298.0	0.5	42.2	12.4	3697.6	0.5	6.3	3772.5	1886.2	906.4	2792.6	4468.7	0.6
2.5	299.0	0.5	42.3	12.4	3710.0	0.5	6.3	3778.9	1892.5	900.0	2792.6	4468.7	0.6
1.4	300.0	0.5	42.4	12.4	3722.4	0.5	6.3	3785.2	1898.9	893.7	2792.6	4468.7	0.6
1.1	301.0	0.5	42.6	12.4	3734.8	0.5	6.3	3791.5	1904.2	887.4	2791.6	4466.4	0.6
1.8	302.0	0.5	42.7	12.4	3747.2	0.5	6.3	3797.8	1905.0	881.1	2786.1	4453.4	0.6
1.9	303.0	0.5	42.9	12.4	3759.6	0.5	6.3	3804.1	1902.6	874.8	2777.4	4433.2	0.6
0.9	304.0	0.5	43.0	12.4	3772.0	0.5	6.3	3810.4	1902.3	868.5	2770.8	4417.9	0.6
0.7	305.0	0.5	43.1	12.4	3784.4	0.5	6.2	3816.6	1896.0	862.3	2758.3	4388.9	0.6
1.1	306.0	0.5	43.3	12.4	3796.8	0.5	6.2	3822.8	1877.2	856.1	2733.3	4331.2	0.6
1.1	307.0	0.5	43.4	12.4	3809.2	0.5	6.1	3828.9	1879.6	850.0	2729.6	4322.6	0.6
0.9	308.0	0.5	43.6	12.4	3821.6	0.5	6.1	3835.1	1880.6	843.9	2724.4	4310.6	0.6
0.6	309.0	0.5	43.7	12.4	3834.1	0.5	6.1	3841.1	1878.1	837.8	2715.9	4291.1	0.6
0.5	310.0	0.5	43.9	12.4	3846.5	0.5	6.1	3847.2	1879.1	831.7	2710.8	4279.6	0.6
0.8	311.0	0.5	44.0	12.4	3858.9	0.5	6.1	3853.3	1885.2	825.6	2710.8	4279.6	0.6
1.1	312.0	0.5	44.1	12.4	3871.3	0.5	6.1	3859.3	1889.1	819.6	2708.6	4274.6	0.6
1.2	313.0	0.5	44.3	12.4	3883.7	0.5	6.0	3865.4	1890.3	813.5	2703.9	4263.8	0.6
0.7	314.0	0.5	44.4	12.4	3896.1	0.5	6.0	3871.4	1894.5	807.5	2702.0	4259.5	0.6
1.2	315.0	0.5	44.6	12.4	3908.5	0.5	6.0	3877.4	1897.3	801.5	2698.8	4252.4	0.6
1.0	316.0	0.5	44.7	12.4	3920.9	0.5	6.0	3883.5	1900.4	795.4	2695.8	4245.8	0.6
0.6	317.0	0.5	44.8	12.4	3933.3	0.5	6.0	3889.5	1889.7	789.5	2679.1	4208.6	0.6
1.2	318.0	0.5	45.0	12.4	3945.7	0.5	6.0	3895.4	1890.5	783.5	2674.0	4197.1	0.6

1.9	319.0	0.5	45.1	12.4	3958.1	0.5	5.9	3901.3	1889.5	777.6	2667.0	4181.7	0.6
0.9	320.0	0.5	45.3	12.4	3970.5	0.5	5.9	3907.2	1883.0	771.7	2654.6	4154.3	0.6
0.4	321.0	0.5	45.4	12.4	3982.9	0.5	5.9	3913.1	1879.3	765.8	2645.1	4133.2	0.6
0.4	322.0	0.5	45.5	12.4	3995.4	0.5	5.8	3919.0	1879.6	759.9	2639.6	4121.2	0.6
0.3	323.0	0.5	45.7	12.4	4007.8	0.5	5.8	3924.8	1875.8	754.1	2629.9	4100.0	0.6
0.2	324.0	0.5	45.8	12.4	4020.2	0.5	5.8	3930.6	1879.0	748.3	2627.3	4094.4	0.6
0.4	325.0	0.5	46.0	12.4	4032.6	0.5	5.8	3936.4	1879.2	742.5	2621.7	4082.2	0.6
0.9	326.0	0.5	46.1	12.4	4045.0	0.5	5.8	3942.2	1880.8	736.8	2617.5	4073.1	0.6
1.8	327.0	0.5	46.3	12.4	4057.4	0.5	5.8	3947.9	1885.9	731.0	2616.9	4071.7	0.6
1.8	328.0	0.5	46.4	12.4	4069.8	0.5	5.7	3953.6	1864.9	725.3	2590.1	4014.0	0.6
0.6	329.0	0.5	46.5	12.4	4082.2	0.5	5.7	3959.3	1861.5	719.6	2581.1	3994.6	0.6
1.0	330.0	0.5	46.7	12.4	4094.6	0.5	5.7	3965.0	1867.2	713.9	2581.1	3994.6	0.6
2.3	331.0	0.5	46.8	12.4	4107.0	0.5	5.6	3970.6	1856.2	708.3	2564.5	3959.2	0.6
1.6	332.0	0.5	47.0	12.4	4119.4	0.5	5.6	3976.2	1857.0	702.7	2559.7	3948.9	0.6
1.1	333.0	0.5	47.1	12.4	4131.8	0.4	5.6	3981.8	1842.6	697.1	2539.7	3906.5	0.7
1.1	334.0	0.5	47.2	12.4	4144.2	0.4	5.5	3987.3	1844.6	691.6	2536.2	3899.0	0.7
1.6	335.0	0.5	47.4	12.4	4156.7	0.4	5.5	3992.8	1848.6	686.1	2534.7	3896.0	0.7
1.0	336.0	0.5	47.5	12.4	4169.1	0.4	5.5	3998.3	1853.6	680.6	2534.2	3894.8	0.7
1.4	337.0	0.4	47.7	12.4	4181.5	0.4	5.5	4003.8	1841.3	675.1	2516.3	3857.4	0.7
0.9	338.0	0.4	47.8	12.4	4193.9	0.4	5.5	4009.3	1844.8	669.6	2514.4	3853.2	0.7
1.3	339.0	0.4	48.0	12.4	4206.3	0.4	5.4	4014.7	1833.7	664.2	2497.9	3818.9	0.7
0.7	340.0	0.4	48.1	12.4	4218.7	0.4	5.4	4020.1	1839.1	658.8	2497.9	3818.8	0.7
0.7	341.0	0.4	48.2	12.4	4231.1	0.4	5.4	4025.5	1809.1	653.4	2462.5	3745.6	0.7
0.8	342.0	0.4	48.4	12.4	4243.5	0.4	5.3	4030.8	1814.2	648.1	2462.3	3745.1	0.7
0.8	343.0	0.4	48.5	12.4	4255.9	0.4	5.3	4036.1	1817.3	642.8	2460.1	3740.5	0.7
1.6	344.0	0.4	48.7	12.4	4268.3	0.4	5.3	4041.4	1821.4	637.5	2459.0	3738.2	0.7
1.7	345.0	0.4	48.8	12.4	4280.7	0.4	5.3	4046.7	1819.0	632.2	2451.3	3722.4	0.7
1.9	346.0	0.4	48.9	12.4	4293.1	0.4	5.3	4052.0	1823.6	627.0	2450.6	3721.0	0.7
1.6	347.0	0.4	49.1	12.4	4305.6	0.4	5.3	4057.2	1825.3	621.7	2447.0	3713.8	0.7
1.5	348.0	0.4	49.2	12.4	4318.0	0.4	5.2	4062.5	1813.9	616.5	2430.4	3680.0	0.7
2.2	349.0	0.4	49.4	12.4	4330.4	0.4	5.2	4067.7	1808.9	611.3	2420.1	3659.2	0.7
1.4	350.0	0.4	49.5	12.4	4342.8	0.4	5.2	4072.8	1795.1	606.1	2401.2	3620.9	0.7
1.3	351.0	0.4	49.7	12.4	4355.2	0.4	5.1	4077.9	1795.4	601.0	2396.4	3611.3	0.7

1.3	352.0	0.4	49.8	12.4	4367.6	0.4	5.1	4083.0	1799.5	595.9	2395.4	3609.3	0.7
1.1	353.0	0.4	49.9	12.4	4380.0	0.4	5.1	4088.2	1801.7	590.8	2392.5	3603.5	0.7
1.2	354.0	0.4	50.1	12.4	4392.4	0.4	5.1	4093.2	1802.8	585.7	2388.5	3595.4	0.7
1.2	355.0	0.4	50.2	12.4	4404.8	0.4	5.1	4098.3	1801.9	580.6	2382.5	3583.5	0.7
1.9	356.0	0.4	50.4	12.4	4417.2	0.4	5.1	4103.4	1805.5	575.5	2381.0	3580.7	0.7
0.6	357.0	0.4	50.5	12.4	4429.6	0.4	5.1	4108.5	1800.5	570.4	2370.9	3560.6	0.7
0.4	358.0	0.4	50.6	12.4	4442.0	0.4	5.0	4113.5	1790.3	565.4	2355.7	3530.6	0.7
1.2	359.0	0.4	50.8	12.4	4454.4	0.4	5.0	4118.5	1770.6	560.5	2331.1	3482.1	0.7
0.9	360.0	0.4	50.9	12.4	4466.9	0.4	4.9	4123.4	1770.3	555.5	2325.9	3471.8	0.7
1.1	361.0	0.4	51.1	12.4	4479.3	0.4	4.9	4128.3	1771.8	550.6	2322.5	3465.1	0.7
0.6	362.0	0.4	51.2	12.4	4491.7	0.4	4.9	4133.2	1766.8	545.7	2312.5	3445.7	0.7
1.9	363.0	0.4	51.3	12.4	4504.1	0.4	4.9	4138.1	1765.9	540.9	2306.8	3434.6	0.7
1.6	364.0	0.4	51.5	12.4	4516.5	0.4	4.8	4142.9	1756.5	536.0	2292.6	3406.9	0.7
0.7	365.0	0.4	51.6	12.4	4528.9	0.4	4.8	4147.7	1723.8	531.2	2255.1	3334.3	0.7
0.6	366.0	0.4	51.8	12.4	4541.3	0.4	4.7	4152.4	1712.7	526.5	2239.3	3303.8	0.7
1.3	367.0	0.4	51.9	12.4	4553.7	0.4	4.7	4157.0	1703.3	521.9	2225.2	3276.6	0.7
1.1	368.0	0.4	52.1	12.4	4566.1	0.4	4.6	4161.7	1705.0	517.2	2222.3	3271.1	0.7
0.8	369.0	0.4	52.2	12.4	4578.5	0.4	4.6	4166.3	1709.7	512.6	2222.3	3271.1	0.7
0.9	370.0	0.4	52.3	12.4	4590.9	0.4	4.6	4170.9	1712.4	508.0	2220.4	3267.5	0.7
0.5	371.0	0.4	52.5	12.4	4603.3	0.4	4.6	4175.6	1715.3	503.3	2218.7	3264.2	0.7
0.8	372.0	0.4	52.6	12.4	4615.8	0.4	4.6	4180.2	1708.4	498.7	2207.1	3242.3	0.7
0.5	373.0	0.4	52.8	12.4	4628.2	0.4	4.6	4184.7	1699.6	494.2	2193.7	3216.9	0.7
0.5	374.0	0.4	52.9	12.4	4640.6	0.4	4.5	4189.2	1661.8	489.7	2151.4	3136.9	0.7
1.5	375.0	0.4	53.0	12.4	4653.0	0.4	4.4	4193.7	1658.9	485.2	2144.1	3123.1	0.7
0.7	376.0	0.4	53.2	12.4	4665.4	0.4	4.4	4198.1	1661.4	480.8	2142.2	3119.5	0.7
0.4	377.0	0.4	53.3	12.4	4677.8	0.4	4.4	4202.5	1646.3	476.4	2122.7	3082.9	0.7
0.3	378.0	0.4	53.5	12.4	4690.2	0.4	4.4	4206.9	1644.1	472.1	2116.2	3070.8	0.7
1.0	379.0	0.4	53.6	12.4	4702.6	0.3	4.3	4211.2	1642.6	467.7	2110.3	3059.9	0.7
1.1	380.0	0.3	53.8	12.4	4715.0	0.3	4.3	4215.5	1605.5	463.4	2068.9	2982.8	0.7
1.7	381.0	0.3	53.9	12.4	4727.4	0.3	4.2	4219.7	1594.1	459.2	2053.4	2954.0	0.7
0.7	382.0	0.3	54.0	12.4	4739.8	0.3	4.2	4223.9	1592.2	455.1	2047.2	2942.6	0.7
0.6	383.0	0.3	54.2	12.4	4752.2	0.3	4.2	4228.0	1591.5	450.9	2042.4	2933.7	0.7
0.9	384.0	0.3	54.3	12.4	4764.6	0.3	4.1	4232.2	1588.4	446.7	2035.2	2920.4	0.7

1.2	385.0	0.3	54.5	12.4	4777.1	0.3	4.1	4236.3	1590.3	442.6	2032.9	2916.3	0.7
1.0	386.0	0.3	54.6	12.4	4789.5	0.3	4.1	4240.4	1570.8	438.5	2009.3	2873.0	0.7
0.9	387.0	0.3	54.7	12.4	4801.9	0.3	4.1	4244.5	1572.4	434.4	2006.9	2868.6	0.7
0.4	388.0	0.3	54.9	12.4	4814.3	0.3	4.1	4248.5	1571.1	430.4	2001.5	2858.8	0.7
0.5	389.0	0.3	55.0	12.4	4826.7	0.3	4.0	4252.6	1569.4	426.3	1995.8	2848.4	0.7
0.5	390.0	0.3	55.2	12.4	4839.1	0.3	4.0	4256.6	1557.1	422.3	1979.4	2818.7	0.7
2.3	391.0	0.3	55.3	12.4	4851.5	0.3	4.0	4260.6	1555.2	418.4	1973.6	2808.2	0.7
1.5	392.0	0.3	55.5	12.4	4863.9	0.3	4.0	4264.5	1555.5	414.4	1969.9	2801.5	0.7
1.2	393.0	0.3	55.6	12.4	4876.3	0.3	4.0	4268.5	1546.2	410.4	1956.6	2777.7	0.7
1.2	394.0	0.3	55.7	12.4	4888.7	0.3	3.9	4272.4	1517.7	406.5	1924.2	2719.4	0.7
1.4	395.0	0.3	55.9	12.4	4901.1	0.3	3.8	4276.2	1520.0	402.7	1922.6	2716.7	0.7
1.4	396.0	0.3	56.0	12.4	4913.5	0.3	3.8	4280.1	1522.6	398.8	1921.4	2714.5	0.7
1.7	397.0	0.3	56.2	12.4	4925.9	0.3	3.8	4283.9	1520.8	395.0	1915.8	2704.5	0.7
1.3	398.0	0.3	56.3	12.4	4938.4	0.3	3.8	4287.7	1521.2	391.2	1912.4	2698.4	0.7
1.8	399.0	0.3	56.4	12.4	4950.8	0.3	3.8	4291.6	1523.0	387.4	1910.3	2694.8	0.7
1.3	400.0	0.3	56.6	12.4	4963.2	0.3	3.8	4295.3	1506.1	383.6	1889.7	2658.3	0.7
0.8	401.0	0.3	56.7	12.4	4975.6	0.3	3.8	4299.1	1497.7	379.8	1877.5	2636.8	0.7
1.7	402.0	0.3	56.9	12.4	4988.0	0.3	3.7	4302.8	1481.1	376.1	1857.2	2601.1	0.7
1.6	403.0	0.3	57.0	12.4	5000.4	0.3	3.7	4306.5	1479.8	372.4	1852.2	2592.4	0.7
1.4	404.0	0.3	57.1	12.4	5012.8	0.3	3.7	4310.1	1473.1	368.8	1841.8	2574.2	0.7
1.1	405.0	0.3	57.3	12.4	5025.2	0.3	3.6	4313.8	1469.1	365.1	1834.2	2560.9	0.7
1.0	406.0	0.3	57.4	12.4	5037.6	0.3	3.6	4317.4	1444.7	361.5	1806.2	2512.2	0.7
0.9	407.0	0.3	57.6	12.4	5050.0	0.3	3.6	4320.9	1444.9	358.0	1802.9	2506.5	0.7
1.7	408.0	0.3	57.7	12.4	5062.4	0.3	3.5	4324.5	1437.6	354.4	1792.1	2487.7	0.7
0.9	409.0	0.3	57.9	12.4	5074.8	0.3	3.5	4328.0	1421.6	350.9	1772.5	2453.9	0.7
0.7	410.0	0.3	58.0	12.4	5087.3	0.3	3.5	4331.4	1417.5	347.5	1765.0	2440.8	0.7
1.1	411.0	0.3	58.1	12.4	5099.7	0.3	3.5	4334.9	1415.4	344.0	1759.5	2431.4	0.7
0.7	412.0	0.3	58.3	12.4	5112.1	0.3	3.4	4338.3	1413.5	340.6	1754.1	2422.2	0.7
0.5	413.0	0.3	58.4	12.4	5124.5	0.3	3.4	4341.7	1398.7	337.2	1735.9	2391.0	0.7
0.9	414.0	0.3	58.6	12.4	5136.9	0.3	3.4	4345.1	1399.1	333.8	1732.9	2386.0	0.7
0.9	415.0	0.3	58.7	12.4	5149.3	0.3	3.4	4348.5	1398.1	330.4	1728.5	2378.5	0.7
1.2	416.0	0.3	58.8	12.4	5161.7	0.3	3.4	4351.8	1393.3	327.1	1720.4	2364.6	0.7
1.3	417.0	0.3	59.0	12.4	5174.1	0.3	3.3	4355.2	1394.8	323.7	1718.5	2361.5	0.7

1.4	418.0	0.3	59.1	12.4	5186.5	0.3	3.3	4358.5	1397.1	320.4	1717.4	2359.6	0.7
3.0	419.0	0.3	59.3	12.4	5198.9	0.3	3.3	4361.9	1385.5	317.1	1702.6	2334.6	0.7
1.2	420.0	0.3	59.4	12.4	5211.3	0.3	3.3	4365.2	1378.6	313.8	1692.4	2317.4	0.7
0.8	421.0	0.3	59.6	12.4	5223.7	0.3	3.3	4368.4	1371.7	310.5	1682.1	2300.2	0.7
0.7	422.0	0.3	59.7	12.4	5236.1	0.3	3.3	4371.7	1370.5	307.2	1677.7	2292.8	0.7
1.5	423.0	0.3	59.8	12.4	5248.6	0.3	3.2	4374.9	1366.9	304.0	1670.9	2281.5	0.7
0.8	424.0	0.3	60.0	12.4	5261.0	0.3	3.2	4378.1	1363.5	300.8	1664.3	2270.4	0.7
0.6	425.0	0.3	60.1	12.4	5273.4	0.3	3.2	4381.3	1361.2	297.6	1658.8	2261.3	0.7
1.0	426.0	0.3	60.3	12.4	5285.8	0.3	3.2	4384.5	1349.1	294.4	1643.4	2235.8	0.7
1.0	427.0	0.3	60.4	12.4	5298.2	0.3	3.2	4387.7	1348.4	291.2	1639.6	2229.5	0.7
0.8	428.0	0.3	60.5	12.4	5310.6	0.3	3.1	4390.8	1335.4	288.1	1623.5	2202.8	0.7
2.2	429.0	0.3	60.7	12.4	5323.0	0.3	3.1	4394.0	1336.1	285.0	1621.1	2198.8	0.7
1.1	430.0	0.3	60.8	12.4	5335.4	0.3	3.1	4397.1	1336.5	281.8	1618.4	2194.4	0.7
1.2	431.0	0.3	61.0	12.4	5347.8	0.2	3.1	4400.2	1334.2	278.7	1613.0	2185.5	0.7
0.9	432.0	0.3	61.1	12.4	5360.2	0.2	3.1	4403.3	1334.0	275.7	1609.7	2180.1	0.7
1.4	433.0	0.3	61.2	12.4	5372.6	0.2	3.1	4406.3	1328.7	272.6	1601.3	2166.4	0.7
1.1	434.0	0.3	61.4	12.4	5385.0	0.2	3.1	4409.4	1329.9	269.5	1599.4	2163.4	0.7
1.7	435.0	0.3	61.5	12.4	5397.5	0.2	3.1	4412.5	1332.3	266.4	1598.7	2162.3	0.7
0.9	436.0	0.3	61.7	12.4	5409.9	0.2	3.1	4415.5	1329.7	263.4	1593.1	2153.1	0.7
0.6	437.0	0.2	61.8	12.4	5422.3	0.2	3.0	4418.6	1324.5	260.3	1584.8	2139.8	0.7
0.6	438.0	0.2	62.0	12.4	5434.7	0.2	3.0	4421.6	1323.6	257.3	1580.9	2133.4	0.7
1.2	439.0	0.2	62.1	12.4	5447.1	0.2	3.0	4424.6	1323.8	254.3	1578.1	2129.0	0.7
0.9	440.0	0.2	62.2	12.4	5459.5	0.2	3.0	4427.6	1321.7	251.3	1573.0	2120.7	0.7
0.6	441.0	0.2	62.4	12.4	5471.9	0.2	3.0	4430.6	1322.9	248.3	1571.2	2117.9	0.7
0.5	442.0	0.2	62.5	12.4	5484.3	0.2	3.0	4433.6	1324.2	245.3	1569.5	2115.2	0.7
0.6	443.0	0.2	62.7	12.4	5496.7	0.2	3.0	4436.6	1311.8	242.3	1554.1	2090.5	0.7
0.7	444.0	0.2	62.8	12.4	5509.1	0.2	3.0	4439.6	1311.9	239.4	1551.2	2086.0	0.7
0.8	445.0	0.2	62.9	12.4	5521.5	0.2	2.9	4442.5	1296.2	236.4	1532.6	2056.4	0.7
1.0	446.0	0.2	63.1	12.4	5533.9	0.2	2.9	4445.4	1295.9	233.5	1529.4	2051.4	0.7
1.0	447.0	0.2	63.2	12.4	5546.3	0.2	2.9	4448.3	1294.7	230.6	1525.3	2044.9	0.7
0.8	448.0	0.2	63.4	12.4	5558.8	0.2	2.9	4451.2	1292.8	227.7	1520.6	2037.4	0.7
0.5	449.0	0.2	63.5	12.4	5571.2	0.2	2.9	4454.1	1279.6	224.9	1504.5	2012.1	0.7
0.8	450.0	0.2	63.7	12.4	5583.6	0.2	2.8	4456.9	1281.7	222.0	1503.7	2010.9	0.7

1.5	451.0	0.2	63.8	12.4	5596.0	0.2	2.8	4459.7	1275.1	219.2	1494.2	1996.0	0.7
1.4	452.0	0.2	63.9	12.4	5608.4	0.2	2.8	4462.6	1273.1	216.3	1489.5	1988.5	0.7
1.4	453.0	0.2	64.1	12.4	5620.8	0.2	2.8	4465.4	1270.0	213.5	1483.5	1979.3	0.7
1.6	454.0	0.2	64.2	12.4	5633.2	0.2	2.8	4468.2	1269.5	210.7	1480.3	1974.2	0.7
1.6	455.0	0.2	64.4	12.4	5645.6	0.2	2.8	4471.0	1259.0	208.0	1467.0	1953.6	0.8
1.3	456.0	0.2	64.5	12.4	5658.0	0.2	2.8	4473.7	1260.5	205.2	1465.6	1951.5	0.8
1.3	457.0	0.2	64.6	12.4	5670.4	0.2	2.8	4476.5	1260.9	202.4	1463.3	1947.9	0.8
0.9	458.0	0.2	64.8	12.4	5682.8	0.2	2.8	4479.2	1260.6	199.7	1460.3	1943.3	0.8
0.9	459.0	0.2	64.9	12.4	5695.2	0.2	2.7	4482.0	1250.8	196.9	1447.7	1923.8	0.8
0.7	460.0	0.2	65.1	12.4	5707.6	0.2	2.7	4484.7	1250.2	194.2	1444.5	1918.9	0.8
0.9	461.0	0.2	65.2	12.4	5720.1	0.2	2.7	4487.4	1246.5	191.5	1438.0	1908.9	0.8
1.0	462.0	0.2	65.4	12.4	5732.5	0.2	2.7	4490.1	1231.2	188.8	1420.0	1881.5	0.8
1.9	463.0	0.2	65.5	12.4	5744.9	0.2	2.7	4492.8	1232.3	186.2	1418.5	1879.1	0.8
1.9	464.0	0.2	65.6	12.4	5757.3	0.2	2.7	4495.4	1234.0	183.5	1417.5	1877.6	0.8
2.7	465.0	0.2	65.8	12.4	5769.7	0.2	2.7	4498.1	1230.1	180.8	1410.9	1867.6	0.8
1.6	466.0	0.2	65.9	12.4	5782.1	0.2	2.6	4500.7	1224.8	178.2	1403.0	1855.7	0.8
1.4	467.0	0.2	66.1	12.4	5794.5	0.2	2.6	4503.3	1219.5	175.6	1395.1	1843.6	0.8
1.2	468.0	0.2	66.2	12.4	5806.9	0.2	2.6	4505.9	1217.6	173.0	1390.6	1836.8	0.8
1.3	469.0	0.2	66.3	12.4	5819.3	0.2	2.6	4508.5	1219.8	170.4	1390.2	1836.2	0.8
0.9	470.0	0.2	66.5	12.4	5831.7	0.2	2.6	4511.1	1206.4	167.8	1374.2	1812.1	0.8
0.8	471.0	0.2	66.6	12.4	5844.1	0.2	2.6	4513.7	1198.4	165.2	1363.6	1796.3	0.8
1.2	472.0	0.2	66.8	12.4	5856.5	0.2	2.5	4516.2	1195.9	162.7	1358.6	1788.8	0.8
0.7	473.0	0.2	66.9	12.4	5869.0	0.2	2.5	4518.7	1196.1	160.2	1356.2	1785.2	0.8
0.8	474.0	0.2	67.0	12.4	5881.4	0.2	2.5	4521.2	1165.6	157.7	1323.3	1736.2	0.8
1.5	475.0	0.2	67.2	12.4	5893.8	0.2	2.5	4523.7	1164.8	155.2	1320.1	1731.3	0.8
0.7	476.0	0.2	67.3	12.4	5906.2	0.2	2.4	4526.1	1144.6	152.8	1297.4	1697.6	0.8
0.8	477.0	0.2	67.5	12.4	5918.6	0.2	2.4	4528.5	1140.6	150.4	1291.0	1688.2	0.8
0.6	478.0	0.2	67.6	12.4	5931.0	0.2	2.4	4530.9	1138.1	148.0	1286.1	1681.0	0.8
0.6	479.0	0.2	67.8	12.4	5943.4	0.2	2.4	4533.3	1137.1	145.6	1282.8	1676.0	0.8
0.6	480.0	0.2	67.9	12.4	5955.8	0.2	2.4	4535.7	1132.3	143.3	1275.6	1665.5	0.8
0.6	481.0	0.2	68.0	12.4	5968.2	0.2	2.3	4538.0	1115.2	140.9	1256.2	1636.9	0.8
0.8	482.0	0.2	68.2	12.4	5980.6	0.2	2.3	4540.3	1093.9	138.6	1232.5	1602.3	0.8
0.9	483.0	0.2	68.3	12.4	5993.0	0.2	2.3	4542.5	1090.6	136.4	1226.9	1594.1	0.8

0.9	484.0	0.2	68.5	12.4	6005.4	0.2	2.2	4544.8	1077.5	134.1	1211.7	1571.8	0.8
0.7	485.0	0.2	68.6	12.4	6017.8	0.2	2.2	4547.0	1060.9	131.9	1192.9	1544.4	0.8
0.7	486.0	0.2	68.7	12.4	6030.3	0.2	2.2	4549.2	1054.4	129.7	1184.1	1531.7	0.8
0.8	487.0	0.2	68.9	12.4	6042.7	0.2	2.2	4551.3	1043.5	127.6	1171.0	1512.7	0.8
1.0	488.0	0.2	69.0	12.4	6055.1	0.2	2.1	4553.5	1034.6	125.4	1160.0	1496.7	0.8
0.7	489.0	0.2	69.2	12.4	6067.5	0.2	2.1	4555.6	1021.9	123.3	1145.2	1475.3	0.8
0.6	490.0	0.2	69.3	12.4	6079.9	0.2	2.1	4557.7	1019.7	121.3	1141.0	1469.2	0.8
0.6	491.0	0.2	69.5	12.4	6092.3	0.2	2.1	4559.7	1021.8	119.2	1141.0	1469.2	0.8
1.2	492.0	0.2	69.6	12.4	6104.7	0.2	2.1	4561.8	1014.2	117.1	1131.3	1455.4	0.8
0.8	493.0	0.2	69.7	12.4	6117.1	0.2	2.1	4563.9	1011.3	115.0	1126.4	1448.3	0.8
1.5	494.0	0.2	69.9	12.4	6129.5	0.2	2.1	4565.9	1012.5	113.0	1125.5	1447.0	0.8
0.9	495.0	0.2	70.0	12.4	6141.9	0.2	2.0	4568.0	1014.6	110.9	1125.5	1447.0	0.8
1.0	496.0	0.2	70.2	12.4	6154.3	0.2	2.0	4570.0	1007.5	108.9	1116.4	1434.1	0.8
0.6	497.0	0.2	70.3	12.4	6166.7	0.2	2.0	4572.0	997.2	106.9	1104.1	1416.6	0.8
0.9	498.0	0.2	70.4	12.4	6179.2	0.2	2.0	4574.0	983.7	104.9	1088.6	1394.6	0.8
0.9	499.0	0.2	70.6	12.4	6191.6	0.2	2.0	4576.0	976.5	102.9	1079.5	1381.6	0.8
1.0	500.0	0.2	70.7	12.4	6204.0	0.2	1.9	4577.9	967.9	101.0	1068.9	1366.7	0.8
0.6	501.0	0.2	70.9	12.4	6216.4	0.2	1.9	4579.9	966.1	99.1	1065.2	1361.5	0.8
0.5	502.0	0.2	71.0	12.4	6228.8	0.2	1.9	4581.8	955.6	97.1	1052.7	1343.9	0.8
1.3	503.0	0.2	71.2	12.4	6241.2	0.2	1.9	4583.7	948.0	95.2	1043.3	1330.6	0.8
1.8	504.0	0.2	71.3	12.4	6253.6	0.1	1.9	4585.5	932.1	93.4	1025.5	1305.7	0.8
0.8	505.0	0.2	71.4	12.4	6266.0	0.1	1.8	4587.4	928.4	91.5	1019.9	1297.9	0.8
0.7	506.0	0.2	71.6	12.4	6278.4	0.1	1.8	4589.2	926.5	89.7	1016.1	1292.6	0.8
0.8	507.0	0.1	71.7	12.4	6290.8	0.1	1.8	4591.0	914.1	87.9	1002.0	1273.0	0.8
0.8	508.0	0.1	71.9	12.4	6303.2	0.1	1.8	4592.8	915.6	86.1	1001.6	1272.4	0.8
0.5	509.0	0.1	72.0	12.4	6315.6	0.1	1.8	4594.6	907.4	84.3	991.6	1258.5	0.8
0.6	510.0	0.1	72.1	12.4	6328.0	0.1	1.8	4596.4	906.3	82.5	988.8	1254.7	0.8
1.0	511.0	0.1	72.3	12.4	6340.5	0.1	1.8	4598.2	881.2	80.8	961.9	1217.4	0.8
1.2	512.0	0.1	72.4	12.4	6352.9	0.1	1.7	4599.9	872.5	79.0	951.5	1203.1	0.8
1.3	513.0	0.1	72.6	12.4	6365.3	0.1	1.7	4601.5	845.2	77.4	922.6	1163.2	0.8
0.7	514.0	0.1	72.7	12.4	6377.7	0.1	1.6	4603.2	840.9	75.7	916.6	1155.0	0.8
0.8	515.0	0.1	72.8	12.4	6390.1	0.1	1.6	4604.8	838.0	74.1	912.1	1148.8	0.8
1.4	516.0	0.1	73.0	12.4	6402.5	0.1	1.6	4606.4	820.2	72.5	892.6	1122.2	0.8

0.9	517.0	0.1	73.1	12.4	6414.9	0.1	1.6	4608.0	811.6	70.9	882.5	1108.3	0.8
0.6	518.0	0.1	73.3	12.4	6427.3	0.1	1.6	4609.6	812.8	69.3	882.1	1107.7	0.8
0.7	519.0	0.1	73.4	12.4	6439.7	0.1	1.6	4611.1	802.9	67.8	870.7	1092.2	0.8
0.8	520.0	0.1	73.6	12.4	6452.1	0.1	1.5	4612.7	803.9	66.2	870.1	1091.4	0.8
0.6	521.0	0.1	73.7	12.4	6464.5	0.1	1.5	4614.2	805.2	64.7	869.9	1091.1	0.8
0.8	522.0	0.1	73.8	12.4	6476.9	0.1	1.5	4615.7	776.4	63.2	839.6	1050.1	0.8
1.9	523.0	0.1	74.0	12.4	6489.3	0.1	1.5	4617.2	776.2	61.7	837.9	1047.8	0.8
1.2	524.0	0.1	74.1	12.4	6501.8	0.1	1.5	4618.7	771.6	60.2	831.8	1039.5	0.8
1.2	525.0	0.1	74.3	12.4	6514.2	0.1	1.5	4620.2	768.9	58.7	827.6	1034.0	0.8
1.1	526.0	0.1	74.4	12.4	6526.6	0.1	1.5	4621.6	769.2	57.3	826.4	1032.4	0.8
0.8	527.0	0.1	74.5	12.4	6539.0	0.1	1.5	4623.1	766.0	55.8	821.8	1026.2	0.8
0.9	528.0	0.1	74.7	12.4	6551.4	0.1	1.5	4624.5	763.8	54.4	818.1	1021.2	0.8
0.9	529.0	0.1	74.8	12.4	6563.8	0.1	1.4	4626.0	720.3	53.0	773.3	961.4	0.8
0.7	530.0	0.1	75.0	12.4	6576.2	0.1	1.4	4627.3	716.1	51.6	767.7	953.9	0.8
0.6	531.0	0.1	75.1	12.4	6588.6	0.1	1.3	4628.7	712.9	50.3	763.2	947.9	0.8
1.0	532.0	0.1	75.3	12.4	6601.0	0.1	1.3	4630.0	704.5	48.9	753.4	934.9	0.8
1.3	533.0	0.1	75.4	12.4	6613.4	0.1	1.3	4631.3	679.1	47.6	726.7	899.5	0.8
1.6	534.0	0.1	75.5	12.4	6625.8	0.1	1.3	4632.5	666.2	46.4	712.6	880.8	0.8
1.6	535.0	0.1	75.7	12.4	6638.2	0.1	1.2	4633.8	664.9	45.1	710.0	877.4	0.8
1.5	536.0	0.1	75.8	12.4	6650.7	0.1	1.2	4635.0	662.4	43.9	706.3	872.6	0.8
1.1	537.0	0.1	76.0	12.4	6663.1	0.1	1.2	4636.3	649.5	42.7	692.2	853.9	0.8
0.8	538.0	0.1	76.1	12.4	6675.5	0.1	1.2	4637.5	643.0	41.5	684.5	843.8	0.8
1.0	539.0	0.1	76.2	12.4	6687.9	0.1	1.2	4638.6	616.7	40.3	657.0	807.8	0.8
1.4	540.0	0.1	76.4	12.4	6700.3	0.1	1.1	4639.8	601.1	39.2	640.3	785.9	0.8
1.4	541.0	0.1	76.5	12.4	6712.7	0.1	1.1	4640.9	598.2	38.0	636.2	780.6	0.8
1.3	542.0	0.1	76.7	12.4	6725.1	0.1	1.1	4642.0	590.0	36.9	626.9	768.5	0.8
1.3	543.0	0.1	76.8	12.4	6737.5	0.1	1.1	4643.0	588.5	35.9	624.3	765.1	0.8
0.8	544.0	0.1	76.9	12.4	6749.9	0.1	1.1	4644.1	579.3	34.8	614.1	751.8	0.8
0.6	545.0	0.1	77.1	12.4	6762.3	0.1	1.1	4645.2	577.8	33.7	611.5	748.5	0.8
1.1	546.0	0.1	77.2	12.4	6774.7	0.1	1.0	4646.2	560.8	32.7	593.5	725.2	0.8
1.3	547.0	0.1	77.4	12.4	6787.1	0.1	1.0	4647.3	556.0	31.7	587.6	717.6	0.8
1.6	548.0	0.1	77.5	12.4	6799.5	0.1	1.0	4648.3	555.1	30.6	585.8	715.2	0.8
1.0	549.0	0.1	77.7	12.4	6812.0	0.1	1.0	4649.3	534.2	29.7	563.8	686.9	0.8



0.8	550.0	0.1	77.8	12.4	6824.4	0.1	1.0	4650.2	523.9	28.7	552.6	672.5	0.8
0.6	551.0	0.1	77.9	12.4	6836.8	0.1	0.9	4651.2	522.0	27.7	549.8	668.9	0.8
0.9	552.0	0.1	78.1	12.4	6849.2	0.1	0.9	4652.1	507.3	26.8	534.1	648.8	0.8
0.8	553.0	0.1	78.2	12.4	6861.6	0.1	0.9	4653.0	497.2	25.9	523.1	634.8	0.8
1.3	554.0	0.1	78.4	12.4	6874.0	0.1	0.9	4653.9	494.1	25.0	519.1	629.6	0.8
0.7	555.0	0.1	78.5	12.4	6886.4	0.1	0.9	4654.8	492.5	24.1	516.6	626.5	0.8
0.7	556.0	0.1	78.6	12.4	6898.8	0.1	0.9	4655.7	489.5	23.2	512.8	621.6	0.8
0.6	557.0	0.1	78.8	12.4	6911.2	0.1	0.9	4656.6	489.9	22.3	512.2	621.0	0.8
1.6	558.0	0.1	78.9	12.4	6923.6	0.1	0.9	4657.4	471.5	21.5	493.0	596.6	0.8
1.2	559.0	0.1	79.1	12.4	6936.0	0.1	0.8	4658.3	468.2	20.6	488.8	591.3	0.8
1.8	560.0	0.1	79.2	12.4	6948.4	0.1	0.8	4659.1	455.2	19.8	475.0	573.8	0.8
1.2	561.0	0.1	79.4	12.4	6960.8	0.1	0.8	4659.9	452.6	19.0	471.6	569.6	0.8
1.4	562.0	0.1	79.5	12.4	6973.3	0.1	0.8	4660.7	435.5	18.2	453.7	547.1	0.8
1.8	563.0	0.1	79.6	12.4	6985.7	0.1	0.8	4661.5	430.9	17.4	448.3	540.3	0.8
1.7	564.0	0.1	79.8	12.4	6998.1	0.1	0.8	4662.2	427.9	16.7	444.6	535.7	0.8
1.5	565.0	0.1	79.9	12.4	7010.5	0.1	0.8	4663.0	421.5	15.9	437.4	526.7	0.8
1.5	566.0	0.1	80.1	12.4	7022.9	0.1	0.7	4663.7	413.4	15.2	428.6	515.6	0.8
1.2	567.0	0.1	80.2	12.4	7035.3	0.1	0.7	4664.4	406.7	14.5	421.2	506.4	0.8
1.0	568.0	0.1	80.3	12.4	7047.7	0.1	0.7	4665.2	407.0	13.8	420.8	505.9	0.8
0.9	569.0	0.1	80.5	12.4	7060.1	0.1	0.7	4665.9	403.6	13.0	416.6	500.7	0.8
0.9	570.0	0.1	80.6	12.4	7072.5	0.1	0.7	4666.6	397.5	12.3	409.8	492.3	0.8
1.9	571.0	0.1	80.8	12.4	7084.9	0.1	0.7	4667.3	394.7	11.6	406.3	488.0	0.8
2.2	572.0	0.1	80.9	12.4	7097.3	0.1	0.7	4668.0	388.1	11.0	399.1	479.0	0.8
1.2	573.0	0.1	81.1	12.4	7109.7	0.1	0.7	4668.6	388.8	10.3	399.1	479.0	0.8
1.2	574.0	0.1	81.2	12.4	7122.2	0.1	0.7	4669.3	380.8	9.6	390.5	468.4	0.8
1.4	575.0	0.1	81.3	12.4	7134.6	0.1	0.7	4670.0	370.3	9.0	379.2	454.6	0.8
1.8	576.0	0.1	81.5	12.4	7147.0	0.0	0.6	4670.6	357.3	8.3	365.7	438.0	0.8
1.2	577.0	0.1	81.6	12.4	7159.4	0.0	0.6	4671.2	355.4	7.7	363.1	434.8	0.8
0.9	578.0	0.1	81.8	12.4	7171.8	0.0	0.6	4671.8	355.9	7.1	363.0	434.7	0.8
1.1	579.0	0.0	81.9	12.4	7184.2	0.0	0.6	4672.4	351.2	6.5	357.7	428.3	0.8
1.1	580.0	0.0	82.0	12.4	7196.6	0.0	0.6	4673.0	335.1	5.9	341.0	407.9	0.8
0.8	581.0	0.0	82.2	12.4	7209.0	0.0	0.5	4673.6	279.0	5.4	284.3	339.0	0.8
1.2	582.0	0.0	82.3	12.4	7221.4	0.0	0.5	4674.0	275.6	4.9	280.5	334.3	0.8

1.8	583.0	0.0	82.5	12.4	7233.8	0.0	0.4	4674.5	240.6	4.4	245.0	291.3	0.8
0.8	584.0	0.0	82.6	12.4	7246.2	0.0	0.4	4674.9	228.6	4.0	232.6	276.3	0.8
0.5	585.0	0.0	82.7	12.4	7258.6	0.0	0.4	4675.3	226.2	3.6	229.9	273.0	0.8
0.5	586.0	0.0	82.9	12.4	7271.0	0.0	0.4	4675.6	211.6	3.3	214.9	254.9	0.8
0.5	587.0	0.0	83.0	12.4	7283.5	0.0	0.4	4676.0	203.9	2.9	206.8	245.2	0.8
1.0	588.0	0.0	83.2	12.4	7295.9	0.0	0.3	4676.3	201.3	2.6	203.9	241.7	0.8
1.0	589.0	0.0	83.3	12.4	7308.3	0.0	0.3	4676.7	196.0	2.2	198.2	234.9	0.8
1.0	590.0	0.0	83.5	12.4	7320.7	0.0	0.3	4677.0	196.3	1.9	198.2	234.9	0.8
1.1	591.0	0.0	83.6	12.4	7333.1	0.0	0.3	4677.3	188.4	1.6	190.0	225.1	0.8
0.7	592.0	0.0	83.7	12.4	7345.5	0.0	0.3	4677.6	165.7	1.3	167.0	197.7	0.8
0.6	593.0	0.0	83.9	12.4	7357.9	0.0	0.2	4677.9	115.3	1.0	116.3	137.2	0.8
0.9	594.0	0.0	84.0	12.4	7370.3	0.0	0.2	4678.1	109.2	0.9	110.0	129.7	0.8
2.6	595.0	0.0	84.2	12.4	7382.7	0.0	0.2	4678.2	96.2	0.7	96.9	114.1	0.8
2.2	596.0	0.0	84.3	12.4	7395.1	0.0	0.2	4678.4	94.1	0.5	94.6	111.5	0.8
2.2	597.0	0.0	84.4	12.4	7407.5	0.0	0.2	4678.5	89.1	0.4	89.5	105.4	0.8
1.5	598.0	0.0	84.6	12.4	7419.9	0.0	0.1	4678.7	88.3	0.2	88.5	104.3	0.8
1.2	599.0	0.0	84.7	12.4	7432.4	0.0	0.1	4678.8	44.4	0.1	44.5	52.3	0.9
1.9	600.0	0.0	84.9	12.4	7444.8	0.0	0.1	4678.9	36.5	0.0	36.6	43.0	0.9
1.0	601.0	0.0	85.0	12.4	7457.2	0.0	0.0	4678.9	9.4	0.0	9.4	11.1	0.9

## Escenario EO-2

Caudal medio mensual m³/s	Caudal medio mensual ordenado de mayor a menor m³/s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (MWh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
1.04	4.50	1	3.71	0.14	12.41	12.41	3.64			45.11	3919.02	3964.13	31851.06	0.12
3.19	4.49	2	3.70	0.28	12.41	24.82	3.63	45.10	45.10	90.18	3873.91	3964.09	31833.41	0.12
1.41	4.30	3	3.51	0.42	12.41	37.22	3.44	43.90	89.01	128.15	3830.01	3958.16	30157.85	0.13
1.41	4.13	4	3.34	0.57	12.41	49.63	3.27	41.66	130.67	162.42	3788.35	3950.77	28666.97	0.14
0.91	4.13	5	3.34	0.71	12.41	62.04	3.27	40.60	171.27	203.01	3747.75	3950.76	28665.25	0.14
1.32	4.06	6	3.27	0.85	12.41	74.45	3.21	40.22	211.49	239.03	3707.53	3946.55	28125.49	0.14
2.44	3.69	7	2.90	0.99	12.41	86.86	2.84	37.54	249.03	246.68	3669.99	3916.67	24879.74	0.16
0.96	3.68	8	2.89	1.13	12.41	99.26	2.83	35.19	284.22	281.14	3634.80	3915.94	24810.44	0.16
0.89	3.67	9	2.88	1.27	12.41	111.67	2.83	35.12	319.34	315.93	3599.67	3915.60	24782.72	0.16
0.66	3.47	10	2.68	1.41	12.41	124.08	2.62	33.83	353.17	325.61	3565.84	3891.45	22987.77	0.17

0.87	3.37	11	2.58	1.56	12.41	136.49	2.53	31.98	385.16	345.41	3533.86	3879.27	22169.24	0.17
0.78	3.19	12	2.40	1.70	12.41	148.90	2.35	30.29	415.45	350.22	3503.57	3853.79	20604.49	0.19
1.27	3.12	13	2.33	1.84	12.41	161.30	2.29	28.78	444.23	368.81	3474.79	3843.60	20029.01	0.19
1.71	3.10	14	2.31	1.98	12.41	173.71	2.26	28.22	472.45	393.02	3446.57	3839.59	19819.61	0.19
1.34	2.99	15	2.20	2.12	12.41	186.12	2.16	27.45	499.89	402.29	3419.12	3821.41	18934.48	0.20
1.65	2.98	16	2.19	2.26	12.41	198.53	2.15	26.76	526.65	427.14	3392.37	3819.51	18847.62	0.20
0.83	2.96	17	2.17	2.40	12.41	210.93	2.13	26.55	553.21	449.03	3365.81	3814.84	18648.03	0.20
1.52	2.84	18	2.05	2.55	12.41	223.34	2.01	25.69	578.90	449.37	3340.12	3789.49	17625.39	0.22
1.63	2.75	19	1.96	2.69	12.41	235.75	1.92	24.39	603.28	452.32	3315.74	3768.06	16807.34	0.22
2.72	2.72	20	1.93	2.83	12.41	248.16	1.90	23.66	626.94	470.33	3292.07	3762.41	16602.76	0.23
1.16	2.72	21	1.93	2.97	12.41	260.57	1.89	23.48	650.43	492.43	3268.59	3761.02	16555.08	0.23
3.37	2.64	22	1.85	3.11	12.41	272.97	1.81	22.97	673.40	494.96	3245.62	3740.58	15883.76	0.24
1.02	2.58	23	1.79	3.25	12.41	285.38	1.76	22.16	695.56	502.13	3223.45	3725.58	15413.12	0.24
1.33	2.58	24	1.79	3.39	12.41	297.79	1.75	21.79	717.36	522.11	3201.66	3723.77	15358.70	0.24
2.48	2.53	25	1.74	3.54	12.41	310.20	1.71	21.48	738.84	530.17	3180.18	3710.35	14971.99	0.25
1.46	2.53	26	1.74	3.68	12.41	322.61	1.71	21.20	760.04	550.87	3158.98	3709.86	14958.34	0.25
1.45	2.49	27	1.70	3.82	12.41	335.01	1.67	20.97	781.00	560.29	3138.01	3698.31	14650.63	0.25
1.77	2.48	28	1.69	3.96	12.41	347.42	1.66	20.68	801.69	577.15	3117.33	3694.48	14552.50	0.25
0.73	2.44	29	1.65	4.10	12.41	359.83	1.62	20.38	822.06	584.09	3096.95	3681.04	14219.48	0.26
0.79	2.42	30	1.63	4.24	12.41	372.24	1.60	19.99	842.05	594.89	3076.97	3671.86	13999.83	0.26
2.58	2.41	31	1.62	4.38	12.41	384.65	1.59	19.77	861.82	611.17	3057.20	3668.36	13918.80	0.26
1.38	2.38	32	1.59	4.53	12.41	397.05	1.56	19.56	881.38	620.65	3037.64	3658.29	13693.14	0.27
1.08	2.38	33	1.59	4.67	12.41	409.46	1.56	19.37	900.75	638.42	3018.27	3656.69	13658.22	0.27
0.93	2.35	34	1.56	4.81	12.41	421.87	1.53	19.14	919.89	643.96	2999.13	3643.08	13371.58	0.27
0.75	2.34	35	1.55	4.95	12.41	434.28	1.52	18.88	938.77	658.75	2980.25	3639.00	13287.94	0.27
1.47	2.33	36	1.54	5.09	12.41	446.69	1.51	18.80	957.57	676.07	2961.45	3637.51	13258.43	0.27
0.86	2.27	37	1.48	5.23	12.41	459.09	1.45	18.41	975.98	667.75	2943.03	3610.78	12741.38	0.28
1.45	2.27	38	1.48	5.37	12.41	471.50	1.45	18.03	994.01	684.34	2925.00	3609.34	12714.31	0.28
0.66	2.27	39	1.48	5.52	12.41	483.91	1.45	18.01	1012.02	702.10	2907.00	3609.10	12709.88	0.28
1.20	2.24	40	1.45	5.66	12.41	496.32	1.43	17.84	1029.86	707.32	2889.16	3596.47	12484.13	0.29
0.75	2.23	41	1.44	5.80	12.41	508.73	1.42	17.63	1047.49	720.88	2871.52	3592.41	12413.26	0.29
1.20	2.22	42	1.43	5.94	12.41	521.13	1.41	17.51	1065.01	732.77	2854.01	3586.77	12317.44	0.29
1.25	2.21	43	1.42	6.08	12.41	533.54	1.39	17.36	1082.36	742.36	2836.65	3579.01	12188.53	0.29
2.38	2.19	44	1.40	6.22	12.41	545.95	1.38	17.18	1099.54	752.15	2819.47	3571.62	12068.51	0.30
1.10	2.19	45	1.40	6.36	12.41	558.36	1.37	17.05	1116.59	765.26	2802.42	3567.68	12006.03	0.30
0.69	2.18	46	1.39	6.51	12.41	570.76	1.36	16.95	1133.54	776.68	2785.48	3562.16	11920.38	0.30
0.54	2.17	47	1.38	6.65	12.41	583.17	1.35	16.83	1150.37	788.21	2768.65	3556.87	11839.99	0.30
1.52	2.15	48	1.36	6.79	12.41	595.58	1.33	16.64	1167.01	792.46	2752.01	3544.47	11655.73	0.30
1.64	2.13	49	1.34	6.93	12.41	607.99	1.32	16.43	1183.44	801.26	2735.58	3536.84	11544.75	0.31
1.05	2.09	50	1.30	7.07	12.41	620.40	1.27	16.08	1199.52	790.34	2719.50	3509.84	11159.60	0.31
1.39	2.07	51	1.28	7.21	12.41	632.80	1.26	15.72	1215.24	797.62	2703.78	3501.40	11041.62	0.32

1.28	2.06	52	1.27	7.36	12.41	645.21	1.25	15.55	1230.79	804.27	2688.22	3492.50	10919.55	0.32
0.99	2.06	53	1.27	7.50	12.41	657.62	1.24	15.45	1246.24	817.64	2672.78	3490.42	10891.64	0.32
1.87	2.06	54	1.27	7.64	12.41	670.03	1.24	15.42	1261.66	832.05	2657.36	3489.41	10878.26	0.32
4.49	2.05	55	1.26	7.78	12.41	682.44	1.24	15.37	1277.03	843.32	2641.99	3485.30	10825.11	0.32
2.53	2.03	56	1.24	7.92	12.41	694.84	1.22	15.21	1292.24	844.80	2626.78	3471.58	10650.47	0.33
0.90	2.03	57	1.24	8.06	12.41	707.25	1.21	15.06	1307.30	856.91	2611.72	3468.63	10613.60	0.33
0.77	2.02	58	1.23	8.20	12.41	719.66	1.21	15.02	1322.32	870.19	2596.70	3466.89	10592.26	0.33
1.15	2.01	59	1.22	8.35	12.41	732.07	1.20	14.92	1337.24	875.92	2581.78	3457.70	10481.37	0.33
1.16	1.99	60	1.20	8.49	12.41	744.48	1.17	14.71	1351.95	874.00	2567.07	3441.07	10284.12	0.33
1.01	1.97	61	1.18	8.63	12.41	756.88	1.15	14.45	1366.39	874.00	2552.62	3426.62	10115.45	0.34
0.72	1.96	62	1.17	8.77	12.41	769.29	1.15	14.29	1380.69	883.94	2538.33	3422.27	10065.55	0.34
0.81	1.95	63	1.16	8.91	12.41	781.70	1.13	14.16	1394.85	886.45	2524.17	3410.62	9933.87	0.34
0.88	1.94	64	1.15	9.05	12.41	794.11	1.13	14.06	1408.91	898.83	2510.11	3408.94	9915.25	0.34
0.94	1.94	65	1.15	9.19	12.41	806.52	1.13	14.03	1422.94	910.64	2496.08	3406.72	9890.91	0.34
1.61	1.94	66	1.15	9.34	12.41	818.92	1.12	13.98	1436.92	920.98	2482.10	3403.08	9851.66	0.35
4.13	1.93	67	1.14	9.48	12.41	831.33	1.12	13.92	1450.84	930.25	2468.18	3398.44	9802.39	0.35
4.50	1.92	68	1.13	9.62	12.41	843.74	1.11	13.83	1464.67	936.85	2454.35	3391.20	9726.72	0.35
1.51	1.92	69	1.13	9.76	12.41	856.15	1.11	13.75	1478.42	946.85	2440.60	3387.45	9688.01	0.35
1.07	1.90	70	1.11	9.90	12.41	868.56	1.09	13.63	1492.04	947.15	2426.97	3374.13	9552.71	0.35
1.85	1.89	71	1.10	10.04	12.41	880.96	1.08	13.45	1505.49	948.92	2413.53	3362.44	9435.73	0.36
1.64	1.89	72	1.10	10.18	12.41	893.37	1.08	13.36	1518.85	961.70	2400.16	3361.86	9430.00	0.36
1.02	1.89	73	1.10	10.33	12.41	905.78	1.08	13.35	1532.21	974.49	2386.81	3361.31	9424.56	0.36
1.95	1.88	74	1.09	10.47	12.41	918.19	1.07	13.31	1545.51	981.95	2373.50	3355.46	9368.37	0.36
2.07	1.87	75	1.08	10.61	12.41	930.59	1.06	13.20	1558.71	984.27	2360.31	3344.57	9265.24	0.36
1.42	1.87	76	1.08	10.75	12.41	943.00	1.06	13.12	1571.83	996.41	2347.19	3343.60	9256.10	0.36
0.91	1.86	77	1.07	10.89	12.41	955.41	1.05	13.05	1584.88	999.74	2334.14	3333.88	9166.46	0.36
1.32	1.85	78	1.06	11.03	12.41	967.82	1.04	12.96	1597.83	1008.45	2321.19	3329.63	9127.75	0.36
3.12	1.85	79	1.06	11.17	12.41	980.23	1.04	12.93	1610.76	1021.16	2308.26	3329.42	9125.81	0.36
1.31	1.85	80	1.06	11.32	12.41	992.63	1.04	12.91	1623.67	1032.14	2295.34	3327.48	9108.62	0.37
1.23	1.84	81	1.05	11.46	12.41	1005.04	1.03	12.85	1636.52	1036.52	2282.49	3319.01	9034.33	0.37
1.40	1.82	82	1.03	11.60	12.41	1017.45	1.01	12.66	1649.19	1027.68	2269.83	3297.51	8848.04	0.37
1.06	1.81	83	1.02	11.74	12.41	1029.86	1.01	12.50	1661.69	1035.48	2257.33	3292.81	8807.83	0.37
2.99	1.80	84	1.01	11.88	12.41	1042.27	0.99	12.40	1674.09	1035.48	2244.92	3280.41	8702.98	0.38
1.18	1.79	85	1.00	12.02	12.41	1054.67	0.98	12.23	1686.32	1030.80	2232.70	3263.49	8561.68	0.38
1.51	1.79	86	1.00	12.16	12.41	1067.08	0.98	12.13	1698.44	1042.59	2220.57	3263.16	8558.91	0.38
1.60	1.78	87	0.99	12.31	12.41	1079.49	0.97	12.09	1710.53	1048.21	2208.49	3256.70	8506.19	0.38
1.40	1.77	88	0.98	12.45	12.41	1091.90	0.97	12.01	1722.54	1053.88	2196.47	3250.35	8454.95	0.38
1.10	1.77	89	0.98	12.59	12.41	1104.31	0.96	11.97	1734.51	1064.66	2184.51	3249.17	8445.53	0.38
1.52	1.77	90	0.98	12.73	12.41	1116.71	0.96	11.96	1746.47	1075.56	2172.55	3248.11	8437.16	0.38
3.47	1.77	91	0.98	12.87	12.41	1129.12	0.96	11.93	1758.40	1084.37	2160.62	3244.99	8412.82	0.39
2.01	1.76	92	0.97	13.01	12.41	1141.53	0.95	11.87	1770.27	1088.05	2148.74	3236.80	8349.61	0.39
0.91	1.76	93	0.97	13.15	12.41	1153.94	0.95	11.80	1782.07	1094.04	2136.95	3230.98	8305.26	0.39

1.41	1.75	94	0.96	13.30	12.41	1166.35	0.94	11.70	1793.77	1093.32	2125.25	3218.58	8211.56	0.39
0.82	1.74	95	0.95	13.44	12.41	1178.75	0.93	11.58	1805.35	1095.61	2113.67	3209.28	8142.11	0.39
2.21	1.73	96	0.94	13.58	12.41	1191.16	0.92	11.49	1816.84	1098.61	2102.18	3200.79	8079.33	0.40
0.88	1.73	97	0.94	13.72	12.41	1203.57	0.92	11.44	1828.27	1108.44	2090.75	3199.19	8067.63	0.40
1.33	1.72	98	0.93	13.86	12.41	1215.98	0.91	11.35	1839.62	1104.25	2079.40	3183.64	7955.07	0.40
0.90	1.71	99	0.92	14.00	12.41	1228.39	0.90	11.21	1850.83	1103.30	2068.19	3171.49	7867.98	0.40
0.73	1.70	100	0.91	14.14	12.41	1240.79	0.89	11.08	1861.91	1101.58	2057.11	3158.69	7777.17	0.41
0.45	1.69	101	0.90	14.29	12.41	1253.20	0.88	10.99	1872.90	1107.80	2046.12	3153.92	7743.63	0.41
3.67	1.69	102	0.90	14.43	12.41	1265.61	0.88	10.95	1883.85	1116.00	2035.16	3151.17	7724.50	0.41
1.46	1.69	103	0.90	14.57	12.41	1278.02	0.88	10.93	1894.78	1124.90	2024.23	3149.14	7710.50	0.41
0.95	1.69	104	0.90	14.71	12.41	1290.42	0.88	10.92	1905.70	1134.82	2013.32	3148.14	7703.71	0.41
1.34	1.68	105	0.89	14.85	12.41	1302.83	0.87	10.87	1916.57	1137.49	2002.44	3139.93	7648.27	0.41
1.26	1.68	106	0.89	14.99	12.41	1315.24	0.87	10.83	1927.40	1147.46	1991.62	3139.08	7642.54	0.41
1.21	1.67	107	0.88	15.13	12.41	1327.65	0.87	10.78	1938.18	1148.65	1980.84	3129.49	7578.97	0.41
1.45	1.66	108	0.87	15.28	12.41	1340.06	0.85	10.66	1948.84	1142.85	1970.18	3113.03	7470.85	0.42
2.38	1.66	109	0.87	15.42	12.41	1352.46	0.85	10.57	1959.41	1151.72	1959.60	3111.32	7459.76	0.42
2.15	1.66	110	0.87	15.56	12.41	1364.87	0.85	10.56	1969.97	1160.28	1949.05	3109.33	7446.89	0.42
1.14	1.66	111	0.87	15.70	12.41	1377.28	0.85	10.54	1980.51	1169.37	1938.50	3107.87	7437.59	0.42
1.52	1.65	112	0.86	15.84	12.41	1389.69	0.85	10.51	1991.03	1174.76	1927.99	3102.75	7405.15	0.42
1.23	1.65	113	0.86	15.98	12.41	1402.10	0.85	10.49	2001.51	1185.16	1917.50	3102.66	7404.60	0.42
1.67	1.65	114	0.86	16.12	12.41	1414.50	0.84	10.47	2011.98	1190.45	1907.04	3097.49	7372.44	0.42
3.10	1.64	115	0.85	16.27	12.41	1426.91	0.84	10.41	2022.39	1194.50	1896.62	3091.12	7333.17	0.42
1.28	1.64	116	0.85	16.41	12.41	1439.32	0.83	10.35	2032.74	1195.28	1886.28	3081.56	7274.73	0.42
2.03	1.64	117	0.85	16.55	12.41	1451.73	0.83	10.30	2043.04	1204.55	1875.98	3080.53	7268.49	0.42
1.60	1.63	118	0.84	16.69	12.41	1464.14	0.83	10.29	2053.33	1213.32	1865.69	3079.01	7259.34	0.42
1.20	1.63	119	0.84	16.83	12.41	1476.54	0.83	10.27	2063.60	1221.32	1855.42	3076.73	7245.80	0.42
2.27	1.62	120	0.83	16.97	12.41	1488.95	0.82	10.20	2073.80	1215.98	1845.22	3061.19	7153.99	0.43
1.40	1.62	121	0.83	17.11	12.41	1501.36	0.81	10.12	2083.92	1223.35	1835.10	3058.45	7137.92	0.43
1.18	1.62	122	0.83	17.26	12.41	1513.77	0.81	10.11	2094.03	1232.75	1824.99	3057.74	7133.80	0.43
1.18	1.62	123	0.83	17.40	12.41	1526.18	0.81	10.08	2104.10	1235.75	1814.91	3050.67	7093.01	0.43
1.15	1.61	124	0.82	17.54	12.41	1538.58	0.81	10.02	2114.12	1239.27	1804.89	3044.17	7055.87	0.43
1.18	1.60	125	0.81	17.68	12.41	1550.99	0.80	9.95	2124.07	1237.73	1794.95	3032.68	6990.72	0.43
1.35	1.60	126	0.81	17.82	12.41	1563.40	0.79	9.87	2133.95	1240.65	1785.07	3025.72	6951.58	0.44
1.89	1.60	127	0.81	17.96	12.41	1575.81	0.79	9.84	2143.78	1247.74	1775.24	3022.97	6936.23	0.44
1.17	1.60	128	0.81	18.10	12.41	1588.22	0.79	9.82	2153.60	1255.98	1765.42	3021.40	6927.52	0.44
1.58	1.59	129	0.80	18.25	12.41	1600.62	0.79	9.78	2163.38	1256.51	1755.64	3012.15	6876.71	0.44
1.69	1.59	130	0.80	18.39	12.41	1613.03	0.78	9.72	2173.10	1260.80	1745.92	3006.72	6847.13	0.44
1.51	1.58	131	0.79	18.53	12.41	1625.44	0.78	9.67	2182.77	1263.81	1736.25	3000.06	6811.09	0.44
2.06	1.58	132	0.79	18.67	12.41	1637.85	0.78	9.64	2192.41	1270.87	1726.61	2997.48	6797.23	0.44
1.41	1.58	133	0.79	18.81	12.41	1650.25	0.78	9.63	2202.03	1280.50	1716.98	2997.48	6797.23	0.44
1.23	1.58	134	0.79	18.95	12.41	1662.66	0.77	9.60	2211.63	1282.84	1707.38	2990.22	6758.83	0.44
1.38	1.57	135	0.78	19.09	12.41	1675.07	0.77	9.55	2221.19	1286.66	1697.83	2984.49	6728.76	0.44

1.20	1.57	136	0.78	19.24	12.41	1687.48	0.77	9.53	2230.71	1295.18	1688.30	2983.48	6723.49	0.44
0.75	1.57	137	0.78	19.38	12.41	1699.89	0.77	9.51	2240.22	1301.26	1678.79	2980.05	6705.75	0.44
0.63	1.57	138	0.78	19.52	12.41	1712.29	0.76	9.49	2249.72	1309.07	1669.30	2978.37	6697.10	0.44
0.97	1.57	139	0.78	19.66	12.41	1724.70	0.76	9.47	2259.18	1312.99	1659.83	2972.83	6668.88	0.45
1.11	1.56	140	0.77	19.80	12.41	1737.11	0.76	9.41	2268.59	1312.38	1650.42	2962.81	6618.15	0.45
0.59	1.56	141	0.77	19.94	12.41	1749.52	0.76	9.37	2277.97	1321.26	1641.05	2962.31	6615.66	0.45
0.59	1.56	142	0.77	20.08	12.41	1761.93	0.75	9.34	2287.31	1323.21	1631.71	2954.92	6578.79	0.45
0.55	1.55	143	0.76	20.23	12.41	1774.33	0.75	9.31	2296.62	1330.53	1622.40	2952.92	6568.90	0.45
0.59	1.55	144	0.76	20.37	12.41	1786.74	0.74	9.25	2305.87	1323.94	1613.15	2937.09	6491.00	0.45
0.63	1.53	145	0.74	20.51	12.41	1799.15	0.73	9.12	2314.99	1310.61	1604.03	2914.64	6381.29	0.46
0.49	1.53	146	0.74	20.65	12.41	1811.56	0.73	9.02	2324.01	1314.85	1595.01	2909.85	6358.09	0.46
0.74	1.52	147	0.73	20.79	12.41	1823.97	0.72	8.97	2332.98	1312.55	1586.04	2898.59	6303.79	0.46
0.85	1.52	148	0.73	20.93	12.41	1836.37	0.72	8.93	2341.91	1321.47	1577.11	2898.59	6303.79	0.46
0.70	1.52	149	0.73	21.07	12.41	1848.78	0.72	8.92	2350.82	1327.48	1568.19	2895.67	6289.93	0.46
1.33	1.52	150	0.73	21.22	12.41	1861.19	0.71	8.89	2359.71	1329.20	1559.31	2888.51	6256.11	0.46
1.24	1.52	151	0.73	21.36	12.41	1873.60	0.71	8.86	2368.57	1337.59	1550.45	2888.04	6253.89	0.46
1.57	1.51	152	0.72	21.50	12.41	1886.01	0.71	8.84	2377.41	1341.25	1541.61	2882.86	6229.76	0.46
2.96	1.51	153	0.72	21.64	12.41	1898.41	0.71	8.81	2386.22	1344.49	1532.80	2877.29	6204.00	0.46
4.06	1.51	154	0.72	21.78	12.41	1910.82	0.71	8.78	2394.99	1349.77	1524.02	2873.80	6187.92	0.46
3.69	1.51	155	0.72	21.92	12.41	1923.23	0.71	8.76	2403.76	1358.42	1515.26	2873.68	6187.36	0.46
2.35	1.51	156	0.72	22.07	12.41	1935.64	0.71	8.76	2412.52	1365.53	1506.50	2872.03	6179.88	0.46
2.41	1.50	157	0.71	22.21	12.41	1948.05	0.70	8.70	2421.21	1356.83	1497.80	2854.64	6101.43	0.47
1.42	1.50	158	0.71	22.35	12.41	1960.45	0.69	8.61	2429.83	1356.17	1489.19	2845.36	6059.85	0.47
2.06	1.49	159	0.70	22.49	12.41	1972.86	0.69	8.58	2438.40	1363.02	1480.61	2843.63	6052.16	0.47
1.37	1.49	160	0.70	22.63	12.41	1985.27	0.69	8.56	2446.97	1368.48	1472.05	2840.53	6038.41	0.47
0.99	1.49	161	0.70	22.77	12.41	1997.68	0.69	8.54	2455.51	1374.33	1463.51	2837.84	6026.58	0.47
1.13	1.49	162	0.70	22.91	12.41	2010.08	0.69	8.53	2464.05	1382.38	1454.97	2837.35	6024.44	0.47
1.43	1.49	163	0.70	23.06	12.41	2022.49	0.69	8.52	2472.57	1386.25	1446.45	2832.70	6004.23	0.47
1.08	1.48	164	0.69	23.20	12.41	2034.90	0.68	8.47	2481.03	1381.93	1437.99	2819.91	5949.03	0.47
1.26	1.48	165	0.69	23.34	12.41	2047.31	0.68	8.41	2489.44	1384.33	1429.58	2813.91	5923.25	0.48
1.42	1.47	166	0.68	23.48	12.41	2059.72	0.67	8.34	2497.78	1376.54	1421.24	2797.78	5854.43	0.48
1.66	1.47	167	0.68	23.62	12.41	2072.12	0.67	8.28	2506.06	1379.70	1412.96	2792.66	5832.74	0.48
0.91	1.47	168	0.68	23.76	12.41	2084.53	0.66	8.24	2514.30	1381.97	1404.72	2786.69	5807.58	0.48
1.38	1.46	169	0.67	23.90	12.41	2096.94	0.66	8.22	2522.52	1386.48	1396.50	2782.99	5792.06	0.48
1.18	1.46	170	0.67	24.05	12.41	2109.35	0.66	8.20	2530.72	1393.86	1388.30	2782.16	5788.62	0.48
1.34	1.46	171	0.67	24.19	12.41	2121.76	0.66	8.19	2538.91	1399.28	1380.11	2779.39	5777.16	0.48
1.35	1.46	172	0.67	24.33	12.41	2134.16	0.66	8.17	2547.08	1404.07	1371.94	2776.01	5763.23	0.48
0.82	1.46	173	0.67	24.47	12.41	2146.57	0.66	8.15	2555.23	1408.49	1363.78	2772.27	5747.95	0.48
1.45	1.45	174	0.66	24.61	12.41	2158.98	0.65	8.12	2563.35	1408.10	1355.67	2763.77	5713.33	0.48
2.64	1.45	175	0.66	24.75	12.41	2171.39	0.65	8.09	2571.44	1415.12	1347.58	2762.69	5708.99	0.48
4.30	1.45	176	0.66	24.89	12.41	2183.80	0.65	8.06	2579.50	1415.03	1339.51	2754.54	5676.18	0.49
1.84	1.45	177	0.66	25.04	12.41	2196.20	0.65	8.04	2587.54	1421.47	1331.48	2752.95	5669.81	0.49

2.06	1.45	178	0.66	25.18	12.41	2208.61	0.65	8.03	2595.57	1428.11	1323.45	2751.56	5664.30	0.49
2.19	1.44	179	0.65	25.32	12.41	2221.02	0.64	8.00	2603.56	1426.69	1315.45	2742.15	5627.06	0.49
1.86	1.44	180	0.65	25.46	12.41	2233.43	0.64	7.97	2611.53	1433.86	1307.49	2741.35	5623.91	0.49
1.76	1.44	181	0.65	25.60	12.41	2245.84	0.64	7.96	2619.49	1438.74	1299.53	2738.27	5611.87	0.49
1.64	1.44	182	0.65	25.74	12.41	2258.24	0.64	7.93	2627.42	1441.26	1291.60	2732.85	5590.80	0.49
1.94	1.44	183	0.65	25.88	12.41	2270.65	0.64	7.91	2635.33	1446.73	1283.68	2730.41	5581.38	0.49
1.13	1.44	184	0.65	26.03	12.41	2283.06	0.64	7.90	2643.23	1452.61	1275.78	2728.40	5573.62	0.49
1.23	1.44	185	0.65	26.17	12.41	2295.47	0.63	7.88	2651.11	1453.80	1267.91	2721.70	5548.00	0.49
1.59	1.43	186	0.64	26.31	12.41	2307.88	0.63	7.81	2658.92	1443.47	1260.10	2703.56	5478.97	0.49
1.55	1.43	187	0.64	26.45	12.41	2320.28	0.62	7.76	2666.68	1449.94	1252.34	2702.28	5474.10	0.49
1.28	1.42	188	0.63	26.59	12.41	2332.69	0.62	7.74	2674.42	1452.35	1244.60	2696.95	5454.05	0.49
0.74	1.42	189	0.63	26.73	12.41	2345.10	0.62	7.73	2682.14	1460.02	1236.87	2696.90	5453.84	0.49
0.60	1.42	190	0.63	26.87	12.41	2357.51	0.62	7.72	2689.86	1465.96	1229.15	2695.12	5447.21	0.49
0.58	1.42	191	0.63	27.02	12.41	2369.92	0.62	7.71	2697.57	1470.88	1221.45	2692.32	5436.86	0.50
1.09	1.42	192	0.63	27.16	12.41	2382.32	0.62	7.70	2705.27	1478.38	1213.75	2692.12	5436.12	0.50
1.06	1.42	193	0.63	27.30	12.41	2394.73	0.62	7.67	2712.94	1475.32	1206.07	2681.39	5396.76	0.50
1.11	1.41	194	0.62	27.44	12.41	2407.14	0.61	7.62	2720.56	1472.07	1198.46	2670.53	5357.11	0.50
0.77	1.41	195	0.62	27.58	12.41	2419.55	0.61	7.58	2728.14	1478.35	1190.87	2669.23	5352.40	0.50
0.62	1.41	196	0.62	27.72	12.41	2431.95	0.61	7.58	2735.72	1485.32	1183.29	2668.61	5350.18	0.50
0.71	1.41	197	0.62	27.86	12.41	2444.36	0.61	7.56	2743.28	1485.63	1175.73	2661.36	5324.13	0.50
0.96	1.41	198	0.62	28.01	12.41	2456.77	0.61	7.53	2750.81	1487.03	1168.21	2655.23	5302.23	0.50
1.42	1.41	199	0.62	28.15	12.41	2469.18	0.60	7.51	2758.32	1493.39	1160.70	2654.09	5298.14	0.50
0.85	1.41	200	0.62	28.29	12.41	2481.59	0.60	7.50	2765.82	1499.79	1153.20	2652.99	5294.25	0.50
1.50	1.40	201	0.61	28.43	12.41	2493.99	0.60	7.49	2773.31	1503.48	1145.71	2649.19	5280.88	0.50
0.62	1.40	202	0.61	28.57	12.41	2506.40	0.60	7.47	2780.78	1508.58	1138.24	2646.82	5272.56	0.50
0.81	1.40	203	0.61	28.71	12.41	2518.81	0.60	7.47	2788.25	1514.95	1130.77	2645.72	5268.74	0.50
1.68	1.40	204	0.61	28.85	12.41	2531.22	0.60	7.45	2795.70	1519.19	1123.32	2642.51	5257.60	0.50
0.87	1.40	205	0.61	29.00	12.41	2543.63	0.60	7.44	2803.14	1522.94	1115.88	2638.81	5244.84	0.50
0.71	1.40	206	0.61	29.14	12.41	2556.03	0.60	7.42	2810.56	1527.13	1108.46	2635.59	5233.76	0.50
0.60	1.40	207	0.61	29.28	12.41	2568.44	0.60	7.41	2817.97	1534.04	1101.04	2635.09	5232.05	0.50
0.60	1.39	208	0.60	29.42	12.41	2580.85	0.59	7.36	2825.34	1521.54	1093.68	2615.22	5164.45	0.51
0.60	1.38	209	0.59	29.56	12.41	2593.26	0.58	7.25	2832.58	1500.13	1086.43	2586.57	5067.43	0.51
0.89	1.38	210	0.59	29.70	12.41	2605.67	0.58	7.18	2839.76	1506.81	1079.26	2586.07	5065.77	0.51
1.01	1.38	211	0.59	29.84	12.41	2618.07	0.58	7.17	2846.93	1512.08	1072.09	2584.17	5059.39	0.51
0.85	1.38	212	0.59	29.99	12.41	2630.48	0.58	7.16	2854.09	1517.44	1064.93	2582.36	5053.36	0.51
0.68	1.38	213	0.59	30.13	12.41	2642.89	0.58	7.16	2861.25	1523.63	1057.77	2581.40	5050.15	0.51
0.53	1.38	214	0.59	30.27	12.41	2655.30	0.57	7.14	2868.39	1525.94	1050.63	2576.56	5034.16	0.51
0.80	1.37	215	0.58	30.41	12.41	2667.71	0.57	7.11	2875.50	1524.12	1043.52	2567.64	5004.78	0.51
1.28	1.37	216	0.58	30.55	12.41	2680.11	0.57	7.08	2882.58	1528.20	1036.44	2564.63	4994.94	0.51
0.85	1.37	217	0.58	30.69	12.41	2692.52	0.57	7.04	2889.62	1521.77	1029.39	2551.16	4951.00	0.52
1.01	1.36	218	0.57	30.83	12.41	2704.93	0.56	6.99	2896.61	1516.76	1022.41	2539.17	4912.08	0.52
0.83	1.36	219	0.57	30.98	12.41	2717.34	0.56	6.93	2903.54	1512.49	1015.48	2527.96	4875.88	0.52

0.93	1.36	220	0.57	31.12	12.41	2729.75	0.55	6.89	2910.44	1513.88	1008.58	2522.47	4858.19	0.52
0.95	1.35	221	0.56	31.26	12.41	2742.15	0.55	6.87	2917.30	1514.68	1001.71	2516.39	4838.75	0.52
1.00	1.35	222	0.56	31.40	12.41	2754.56	0.55	6.85	2924.16	1520.83	994.86	2515.69	4836.51	0.52
2.72	1.35	223	0.56	31.54	12.41	2766.97	0.55	6.85	2931.00	1527.07	988.01	2515.08	4834.57	0.52
1.40	1.35	224	0.56	31.68	12.41	2779.38	0.55	6.84	2937.84	1530.40	981.17	2511.57	4823.48	0.52
0.88	1.35	225	0.56	31.82	12.41	2791.78	0.55	6.83	2944.68	1536.53	974.34	2510.87	4821.28	0.52
1.99	1.35	226	0.56	31.97	12.41	2804.19	0.55	6.83	2951.50	1542.29	967.52	2509.80	4817.94	0.52
1.57	1.35	227	0.56	32.11	12.41	2816.60	0.55	6.82	2958.32	1545.55	960.70	2506.24	4806.85	0.52
1.46	1.35	228	0.56	32.25	12.41	2829.01	0.55	6.80	2965.12	1547.88	953.90	2501.78	4792.99	0.52
1.26	1.34	229	0.55	32.39	12.41	2841.42	0.54	6.76	2971.87	1539.64	947.14	2486.78	4746.66	0.52
1.74	1.34	230	0.55	32.53	12.41	2853.82	0.54	6.72	2978.59	1544.30	940.43	2484.72	4740.32	0.52
0.89	1.34	231	0.55	32.67	12.41	2866.23	0.54	6.71	2985.30	1548.41	933.72	2482.13	4732.38	0.52
0.79	1.34	232	0.55	32.81	12.41	2878.64	0.54	6.70	2992.00	1554.39	927.02	2481.41	4730.18	0.52
0.83	1.34	233	0.55	32.96	12.41	2891.05	0.54	6.70	2998.70	1559.87	920.32	2480.18	4726.46	0.52
1.06	1.34	234	0.55	33.10	12.41	2903.46	0.54	6.69	3005.39	1566.56	913.62	2480.18	4726.46	0.52
0.71	1.34	235	0.55	33.24	12.41	2915.86	0.54	6.68	3012.07	1566.52	906.94	2473.46	4706.22	0.53
0.84	1.34	236	0.55	33.38	12.41	2928.27	0.54	6.65	3018.73	1567.31	900.29	2467.60	4688.65	0.53
0.60	1.33	237	0.54	33.52	12.41	2940.68	0.53	6.61	3025.34	1558.28	893.68	2451.96	4641.95	0.53
0.54	1.33	238	0.54	33.66	12.41	2953.09	0.53	6.56	3031.90	1559.70	887.12	2446.81	4626.66	0.53
0.51	1.33	239	0.54	33.80	12.41	2965.50	0.53	6.55	3038.45	1564.35	880.57	2444.92	4621.04	0.53
1.48	1.33	240	0.54	33.95	12.41	2977.90	0.53	6.54	3044.99	1567.53	874.03	2441.55	4611.14	0.53
2.13	1.33	241	0.54	34.09	12.41	2990.31	0.53	6.53	3051.52	1573.68	867.50	2441.18	4610.03	0.53
0.63	1.33	242	0.54	34.23	12.41	3002.72	0.53	6.53	3058.04	1577.90	860.97	2438.87	4603.28	0.53
1.44	1.32	243	0.53	34.37	12.41	3015.13	0.52	6.50	3064.54	1574.53	854.47	2429.00	4574.55	0.53
0.65	1.32	244	0.53	34.51	12.41	3027.54	0.52	6.47	3071.01	1576.86	848.00	2424.86	4562.56	0.53
0.63	1.32	245	0.53	34.65	12.41	3039.94	0.52	6.46	3077.48	1582.29	841.54	2423.83	4559.58	0.53
0.65	1.32	246	0.53	34.79	12.41	3052.35	0.52	6.45	3083.93	1586.91	835.09	2422.00	4554.31	0.53
2.19	1.31	247	0.52	34.94	12.41	3064.76	0.51	6.41	3090.34	1575.03	828.67	2403.71	4501.92	0.53
1.13	1.31	248	0.52	35.08	12.41	3077.17	0.51	6.34	3096.69	1564.47	822.33	2386.80	4453.68	0.54
1.96	1.30	249	0.51	35.22	12.41	3089.58	0.50	6.27	3102.96	1553.47	816.06	2369.53	4404.62	0.54
1.27	1.30	250	0.51	35.36	12.41	3101.98	0.50	6.20	3109.16	1538.21	809.86	2348.07	4343.91	0.54
1.62	1.29	251	0.50	35.50	12.41	3114.39	0.49	6.14	3115.29	1536.87	803.72	2340.60	4322.84	0.54
2.34	1.29	252	0.50	35.64	12.41	3126.80	0.49	6.10	3121.39	1529.24	797.63	2326.87	4284.31	0.54
1.82	1.29	253	0.50	35.79	12.41	3139.21	0.49	6.05	3127.44	1526.74	791.58	2318.32	4260.40	0.54
1.10	1.28	254	0.49	35.93	12.41	3151.61	0.49	6.03	3133.47	1529.91	785.55	2315.46	4252.43	0.54
1.77	1.28	255	0.49	36.07	12.41	3164.02	0.48	6.01	3139.48	1531.26	779.53	2310.79	4239.49	0.55
1.32	1.28	256	0.49	36.21	12.41	3176.43	0.48	6.00	3145.48	1534.12	773.53	2307.65	4230.80	0.55
0.93	1.28	257	0.49	36.35	12.41	3188.84	0.48	5.99	3151.47	1536.91	767.55	2304.46	4222.02	0.55
1.47	1.28	258	0.49	36.49	12.41	3201.25	0.48	5.97	3157.44	1539.82	761.57	2301.39	4213.62	0.55
1.27	1.28	259	0.49	36.63	12.41	3213.65	0.48	5.96	3163.40	1540.70	755.62	2296.32	4199.76	0.55
1.57	1.28	260	0.49	36.78	12.41	3226.06	0.48	5.95	3169.35	1545.67	749.67	2295.34	4197.09	0.55
0.94	1.28	261	0.49	36.92	12.41	3238.47	0.48	5.93	3175.28	1542.35	743.74	2286.09	4172.03	0.55



1.58	1.27	262	0.48	37.06	12.41	3250.88	0.47	5.90	3181.18	1544.04	737.84	2281.88	4160.67	0.55
1.52	1.27	263	0.48	37.20	12.41	3263.29	0.47	5.88	3187.06	1545.42	731.96	2277.38	4148.54	0.55
2.53	1.27	264	0.48	37.34	12.41	3275.69	0.47	5.85	3192.92	1539.89	726.10	2265.99	4118.03	0.55
0.93	1.26	265	0.47	37.48	12.41	3288.10	0.46	5.78	3198.70	1519.49	720.32	2239.80	4048.14	0.55
0.75	1.26	266	0.47	37.62	12.41	3300.51	0.46	5.73	3204.43	1523.44	714.59	2238.02	4043.41	0.55
0.95	1.26	267	0.47	37.77	12.41	3312.92	0.46	5.73	3210.16	1528.65	708.86	2237.51	4042.04	0.55
1.03	1.26	268	0.47	37.91	12.41	3325.33	0.46	5.72	3215.88	1531.10	703.14	2234.25	4033.43	0.55
0.91	1.25	269	0.46	38.05	12.41	3337.73	0.45	5.65	3221.52	1500.73	697.50	2198.22	3938.72	0.56
1.69	1.25	270	0.46	38.19	12.41	3350.14	0.45	5.56	3227.08	1495.79	691.94	2187.73	3911.22	0.56
2.09	1.24	271	0.45	38.33	12.41	3362.55	0.45	5.53	3232.61	1498.14	686.40	2184.54	3902.91	0.56
2.03	1.24	272	0.45	38.47	12.41	3374.96	0.44	5.52	3238.14	1501.09	680.88	2181.97	3896.21	0.56
3.68	1.24	273	0.45	38.61	12.41	3387.37	0.44	5.51	3243.65	1500.89	675.37	2176.26	3881.42	0.56
1.34	1.24	274	0.45	38.76	12.41	3399.77	0.44	5.49	3249.14	1504.60	669.88	2174.47	3876.80	0.56
1.21	1.24	275	0.45	38.90	12.41	3412.18	0.44	5.48	3254.63	1506.31	664.39	2170.70	3867.10	0.56
1.42	1.24	276	0.45	39.04	12.41	3424.59	0.44	5.47	3260.10	1509.27	658.92	2168.18	3860.66	0.56
2.05	1.24	277	0.45	39.18	12.41	3437.00	0.44	5.45	3265.55	1504.09	653.47	2157.56	3833.52	0.56
0.95	1.24	278	0.45	39.32	12.41	3449.41	0.44	5.43	3270.97	1507.57	648.04	2155.61	3828.57	0.56
0.89	1.23	279	0.44	39.46	12.41	3461.81	0.44	5.42	3276.39	1510.11	642.63	2152.73	3821.27	0.56
1.06	1.23	280	0.44	39.60	12.41	3474.22	0.44	5.41	3281.80	1512.81	637.22	2150.02	3814.43	0.56
1.25	1.23	281	0.44	39.75	12.41	3486.63	0.43	5.40	3287.19	1514.09	631.82	2145.91	3804.08	0.56
1.69	1.23	282	0.44	39.89	12.41	3499.04	0.43	5.37	3292.57	1510.55	626.45	2137.00	3781.72	0.57
4.13	1.23	283	0.44	40.03	12.41	3511.44	0.43	5.34	3297.91	1507.64	621.11	2128.75	3761.11	0.57
1.49	1.23	284	0.44	40.17	12.41	3523.85	0.43	5.31	3303.22	1504.31	615.80	2120.10	3739.58	0.57
1.73	1.22	285	0.43	40.31	12.41	3536.26	0.43	5.29	3308.51	1506.72	610.50	2117.23	3732.45	0.57
0.98	1.22	286	0.43	40.45	12.41	3548.67	0.42	5.26	3313.77	1494.96	605.25	2100.21	3690.36	0.57
0.96	1.22	287	0.43	40.59	12.41	3561.08	0.42	5.22	3318.99	1498.31	600.02	2098.34	3685.75	0.57
0.94	1.22	288	0.43	40.74	12.41	3573.48	0.42	5.22	3324.21	1501.52	594.81	2096.33	3680.82	0.57
1.35	1.22	289	0.43	40.88	12.41	3585.89	0.42	5.20	3329.41	1496.30	589.61	2085.91	3655.31	0.57
1.18	1.21	290	0.42	41.02	12.41	3598.30	0.41	5.15	3334.56	1487.01	584.46	2071.47	3620.11	0.57
1.97	1.21	291	0.42	41.16	12.41	3610.71	0.41	5.12	3339.68	1487.68	579.34	2067.02	3609.30	0.57
2.02	1.21	292	0.42	41.30	12.41	3623.12	0.41	5.10	3344.78	1483.62	574.24	2057.87	3587.12	0.57
1.18	1.20	293	0.41	41.44	12.41	3635.52	0.41	5.06	3349.84	1477.79	569.18	2046.97	3560.82	0.57
1.35	1.20	294	0.41	41.58	12.41	3647.93	0.41	5.04	3354.88	1482.47	564.14	2046.61	3559.95	0.57
2.84	1.20	295	0.41	41.73	12.41	3660.34	0.40	5.02	3359.90	1472.23	559.12	2031.35	3523.36	0.58
2.27	1.20	296	0.41	41.87	12.41	3672.75	0.40	4.99	3364.89	1477.22	554.13	2031.35	3523.36	0.58
1.88	1.20	297	0.41	42.01	12.41	3685.16	0.40	4.99	3369.88	1482.21	549.14	2031.35	3523.36	0.58
2.42	1.20	298	0.41	42.15	12.41	3697.56	0.40	4.99	3374.87	1487.20	544.15	2031.35	3523.36	0.58
2.49	1.20	299	0.41	42.29	12.41	3709.97	0.40	4.99	3379.86	1492.19	539.16	2031.35	3523.36	0.58
1.38	1.20	300	0.41	42.43	12.41	3722.38	0.40	4.99	3384.85	1497.18	534.17	2031.35	3523.36	0.58
1.08	1.20	301	0.41	42.57	12.41	3734.79	0.40	4.99	3389.84	1501.22	529.18	2030.40	3521.14	0.58
1.78	1.20	302	0.41	42.72	12.41	3747.20	0.40	4.98	3394.82	1500.64	524.20	2024.84	3508.11	0.58
1.85	1.20	303	0.41	42.86	12.41	3759.60	0.40	4.95	3399.77	1496.92	519.24	2016.17	3487.88	0.58

0.93	1.19	304	0.40	43.00	12.41	3772.01	0.40	4.93	3404.70	1495.30	514.32	2009.61	3472.63	0.58
0.71	1.19	305	0.40	43.14	12.41	3784.42	0.39	4.90	3409.60	1487.67	509.42	1997.08	3443.58	0.58
1.14	1.18	306	0.39	43.28	12.41	3796.83	0.39	4.84	3414.44	1467.53	504.58	1972.11	3385.86	0.58
1.08	1.18	307	0.39	43.42	12.41	3809.24	0.39	4.79	3419.23	1468.59	499.79	1968.38	3377.27	0.58
0.93	1.18	308	0.39	43.56	12.41	3821.64	0.38	4.78	3424.00	1468.17	495.02	1963.18	3365.35	0.58
0.61	1.18	309	0.39	43.71	12.41	3834.05	0.38	4.75	3428.75	1464.36	490.26	1954.62	3345.76	0.58
0.52	1.18	310	0.39	43.85	12.41	3846.46	0.38	4.73	3433.49	1464.07	485.53	1949.60	3334.30	0.58
0.76	1.18	311	0.39	43.99	12.41	3858.87	0.38	4.72	3438.21	1468.79	480.81	1949.60	3334.30	0.58
1.11	1.18	312	0.39	44.13	12.41	3871.27	0.38	4.72	3442.93	1471.31	476.09	1947.40	3329.31	0.58
1.24	1.18	313	0.39	44.27	12.41	3883.68	0.38	4.71	3447.64	1471.25	471.38	1942.63	3318.55	0.59
0.68	1.18	314	0.39	44.41	12.41	3896.09	0.38	4.70	3452.33	1474.04	466.68	1940.73	3314.25	0.59
1.16	1.17	315	0.38	44.55	12.41	3908.50	0.38	4.69	3457.02	1475.56	461.99	1937.56	3307.13	0.59
0.96	1.17	316	0.38	44.70	12.41	3920.91	0.38	4.68	3461.70	1477.27	457.31	1934.58	3300.48	0.59
0.60	1.17	317	0.38	44.84	12.41	3933.31	0.37	4.65	3466.35	1465.23	452.67	1917.90	3263.26	0.59
1.16	1.17	318	0.38	44.98	12.41	3945.72	0.37	4.61	3470.96	1464.69	448.05	1912.75	3251.80	0.59
1.93	1.17	319	0.38	45.12	12.41	3958.13	0.37	4.60	3475.56	1462.36	443.46	1905.82	3236.45	0.59
0.85	1.16	320	0.37	45.26	12.41	3970.54	0.37	4.56	3480.12	1454.50	438.89	1893.40	3209.00	0.59
0.45	1.16	321	0.37	45.40	12.41	3982.95	0.36	4.53	3484.66	1449.47	434.36	1883.83	3187.93	0.59
0.38	1.16	322	0.37	45.54	12.41	3995.35	0.36	4.51	3489.16	1448.50	429.86	1878.35	3175.89	0.59
0.31	1.16	323	0.37	45.69	12.41	4007.76	0.36	4.48	3493.65	1443.28	425.37	1868.65	3154.67	0.59
0.23	1.16	324	0.37	45.83	12.41	4020.17	0.36	4.46	3498.11	1445.21	420.91	1866.11	3149.12	0.59
0.41	1.16	325	0.37	45.97	12.41	4032.58	0.36	4.45	3502.56	1444.06	416.46	1860.51	3136.94	0.59
0.93	1.15	326	0.36	46.11	12.41	4044.99	0.36	4.44	3507.00	1444.27	412.02	1856.29	3127.78	0.59
1.77	1.15	327	0.36	46.25	12.41	4057.39	0.36	4.43	3511.43	1448.06	407.59	1855.65	3126.39	0.59
1.76	1.15	328	0.36	46.39	12.41	4069.80	0.35	4.39	3515.82	1425.70	403.20	1828.90	3068.73	0.60
0.61	1.14	329	0.35	46.53	12.41	4082.21	0.35	4.33	3520.15	1421.00	398.87	1819.87	3049.33	0.60
1.02	1.14	330	0.35	46.68	12.41	4094.62	0.35	4.32	3524.47	1425.32	394.55	1819.87	3049.33	0.60
2.33	1.14	331	0.35	46.82	12.41	4107.03	0.34	4.29	3528.76	1413.03	390.26	1803.28	3013.88	0.60
1.65	1.14	332	0.35	46.96	12.41	4119.43	0.34	4.26	3533.02	1412.45	385.99	1798.45	3003.59	0.60
1.12	1.13	333	0.34	47.10	12.41	4131.84	0.34	4.22	3537.25	1396.70	381.77	1778.47	2961.17	0.60
1.14	1.13	334	0.34	47.24	12.41	4144.25	0.34	4.19	3541.44	1397.35	377.58	1774.94	2953.69	0.60
1.58	1.13	335	0.34	47.38	12.41	4156.66	0.34	4.18	3545.62	1400.10	373.40	1773.50	2950.66	0.60
0.98	1.13	336	0.34	47.52	12.41	4169.07	0.34	4.18	3549.80	1403.74	369.22	1772.96	2949.53	0.60
1.35	1.13	337	0.34	47.67	12.41	4181.47	0.33	4.15	3553.95	1390.04	365.07	1755.11	2912.07	0.60
0.95	1.13	338	0.34	47.81	12.41	4193.88	0.33	4.12	3558.07	1392.19	360.95	1753.14	2907.95	0.60
1.30	1.12	339	0.33	47.95	12.41	4206.29	0.33	4.09	3562.16	1379.80	356.85	1736.66	2873.58	0.60
0.75	1.12	340	0.33	48.09	12.41	4218.70	0.33	4.07	3566.23	1383.85	352.78	1736.63	2873.52	0.60
0.71	1.12	341	0.33	48.23	12.41	4231.10	0.32	4.02	3570.25	1352.54	348.76	1701.30	2800.27	0.61
0.77	1.12	342	0.33	48.37	12.41	4243.51	0.32	3.97	3574.22	1356.30	344.80	1701.09	2799.84	0.61
0.76	1.12	343	0.33	48.51	12.41	4255.92	0.32	3.96	3578.18	1358.01	340.84	1698.84	2795.20	0.61
1.58	1.12	344	0.33	48.66	12.41	4268.33	0.32	3.96	3582.14	1360.85	336.88	1697.73	2792.91	0.61
1.68	1.11	345	0.32	48.80	12.41	4280.74	0.32	3.94	3586.08	1357.11	332.93	1690.04	2777.15	0.61

1.92	1.11	346	0.32	48.94	12.41	4293.14	0.32	3.93	3590.02	1360.34	329.00	1689.34	2775.72	0.61
1.60	1.11	347	0.32	49.08	12.41	4305.55	0.32	3.93	3593.94	1360.73	325.07	1685.81	2768.52	0.61
1.53	1.11	348	0.32	49.22	12.41	4317.96	0.31	3.90	3597.84	1347.98	321.18	1669.16	2734.69	0.61
2.17	1.11	349	0.32	49.36	12.41	4330.37	0.31	3.86	3601.70	1341.57	317.32	1658.89	2713.90	0.61
1.44	1.10	350	0.31	49.50	12.41	4342.78	0.31	3.82	3605.52	1326.45	313.50	1639.95	2675.65	0.61
1.33	1.10	351	0.31	49.65	12.41	4355.18	0.30	3.78	3609.30	1325.45	309.72	1635.17	2666.01	0.61
1.29	1.10	352	0.31	49.79	12.41	4367.59	0.30	3.77	3613.07	1328.23	305.94	1634.17	2664.00	0.61
1.10	1.10	353	0.31	49.93	12.41	4380.00	0.30	3.77	3616.84	1329.09	302.17	1631.27	2658.18	0.61
1.24	1.10	354	0.31	50.07	12.41	4392.41	0.30	3.76	3620.60	1328.83	298.41	1627.24	2650.14	0.61
1.20	1.10	355	0.31	50.21	12.41	4404.82	0.30	3.75	3624.35	1326.59	294.67	1621.25	2638.22	0.61
1.87	1.10	356	0.31	50.35	12.41	4417.22	0.30	3.73	3628.08	1328.88	290.93	1619.81	2635.36	0.61
0.62	1.09	357	0.30	50.50	12.41	4429.63	0.30	3.72	3631.80	1322.47	287.22	1609.69	2615.31	0.62
0.43	1.09	358	0.30	50.64	12.41	4442.04	0.30	3.68	3635.48	1310.95	283.53	1594.48	2585.28	0.62
1.17	1.09	359	0.30	50.78	12.41	4454.45	0.29	3.63	3639.11	1289.94	279.91	1569.85	2536.76	0.62
0.94	1.08	360	0.29	50.92	12.41	4466.86	0.29	3.59	3642.70	1288.30	276.32	1564.62	2526.51	0.62
1.12	1.08	361	0.29	51.06	12.41	4479.26	0.29	3.57	3646.27	1288.48	272.75	1561.23	2519.85	0.62
0.60	1.08	362	0.29	51.20	12.41	4491.67	0.29	3.56	3649.83	1282.10	269.19	1551.29	2500.45	0.62
1.90	1.08	363	0.29	51.34	12.41	4504.08	0.28	3.53	3653.36	1279.89	265.66	1545.55	2489.27	0.62
1.56	1.08	364	0.29	51.49	12.41	4516.49	0.28	3.51	3656.87	1269.17	262.15	1531.32	2461.64	0.62
0.67	1.07	365	0.28	51.63	12.41	4528.90	0.27	3.44	3660.30	1235.11	258.71	1493.83	2389.01	0.63
0.58	1.06	366	0.27	51.77	12.41	4541.30	0.27	3.36	3663.66	1222.69	255.35	1478.04	2358.52	0.63
1.33	1.06	367	0.27	51.91	12.41	4553.71	0.27	3.32	3666.99	1211.91	252.03	1463.94	2331.35	0.63
1.14	1.06	368	0.27	52.05	12.41	4566.12	0.27	3.30	3670.28	1212.32	248.73	1461.05	2325.81	0.63
0.75	1.06	369	0.27	52.19	12.41	4578.53	0.27	3.29	3673.58	1215.61	245.44	1461.05	2325.81	0.63
0.91	1.06	370	0.27	52.33	12.41	4590.93	0.27	3.29	3676.87	1217.02	242.15	1459.16	2322.20	0.63
0.50	1.06	371	0.27	52.48	12.41	4603.34	0.26	3.29	3680.16	1218.56	238.86	1457.42	2318.88	0.63
0.76	1.06	372	0.27	52.62	12.41	4615.75	0.26	3.27	3683.43	1210.30	235.59	1445.89	2296.98	0.63
0.55	1.05	373	0.26	52.76	12.41	4628.16	0.26	3.24	3686.66	1200.13	232.36	1432.49	2271.56	0.63
0.52	1.05	374	0.26	52.90	12.41	4640.57	0.25	3.16	3689.82	1161.01	229.19	1390.20	2191.64	0.63
1.46	1.04	375	0.25	53.04	12.41	4652.97	0.25	3.09	3692.92	1156.75	226.10	1382.85	2177.77	0.63
0.65	1.04	376	0.25	53.18	12.41	4665.38	0.25	3.08	3696.00	1157.92	223.02	1380.93	2174.17	0.64
0.39	1.04	377	0.25	53.32	12.41	4677.79	0.24	3.05	3699.05	1141.49	219.96	1361.46	2137.65	0.64
0.28	1.04	378	0.25	53.47	12.41	4690.20	0.24	3.02	3702.07	1138.00	216.94	1354.95	2125.47	0.64
0.97	1.04	379	0.25	53.61	12.41	4702.61	0.24	3.00	3705.08	1135.16	213.94	1349.10	2114.57	0.64
1.11	1.03	380	0.24	53.75	12.41	4715.01	0.23	2.94	3708.02	1096.67	211.00	1307.68	2037.51	0.64
1.66	1.02	381	0.23	53.89	12.41	4727.42	0.23	2.87	3710.88	1084.00	208.14	1292.14	2008.68	0.64
0.74	1.02	382	0.23	54.03	12.41	4739.83	0.23	2.84	3713.72	1080.70	205.30	1286.00	1997.31	0.64
0.65	1.02	383	0.23	54.17	12.41	4752.24	0.23	2.82	3716.54	1078.68	202.48	1281.15	1988.37	0.64
0.85	1.02	384	0.23	54.31	12.41	4764.65	0.23	2.81	3719.35	1074.29	199.67	1273.96	1975.13	0.65
1.24	1.02	385	0.23	54.46	12.41	4777.05	0.22	2.79	3722.14	1074.82	196.87	1271.70	1970.97	0.65
1.04	1.01	386	0.22	54.60	12.41	4789.46	0.22	2.76	3724.90	1053.97	194.11	1248.08	1927.73	0.65
0.93	1.01	387	0.22	54.74	12.41	4801.87	0.22	2.73	3727.63	1054.27	191.39	1245.66	1923.29	0.65

0.41	1.01	388	0.22	54.88	12.41	4814.28	0.22	2.72	3730.35	1051.61	188.67	1240.28	1913.50	0.65
0.52	1.01	389	0.22	55.02	12.41	4826.69	0.22	2.70	3733.05	1048.59	185.97	1234.55	1903.09	0.65
0.52	1.01	390	0.22	55.16	12.41	4839.09	0.21	2.67	3735.73	1034.88	183.29	1218.17	1873.40	0.65
2.27	1.01	391	0.22	55.30	12.41	4851.50	0.21	2.65	3738.37	1031.70	180.64	1212.34	1862.86	0.65
1.50	1.01	392	0.22	55.45	12.41	4863.91	0.21	2.63	3741.01	1030.64	178.01	1208.65	1856.21	0.65
1.23	1.00	393	0.21	55.59	12.41	4876.32	0.21	2.61	3743.62	1020.00	175.40	1195.40	1832.37	0.65
1.24	1.00	394	0.21	55.73	12.41	4888.73	0.20	2.55	3746.17	990.11	172.84	1162.95	1774.15	0.66
1.40	1.00	395	0.21	55.87	12.41	4901.13	0.20	2.51	3748.68	991.07	170.33	1161.40	1771.38	0.66
1.35	1.00	396	0.21	56.01	12.41	4913.54	0.20	2.51	3751.19	992.34	167.83	1160.16	1769.16	0.66
1.69	0.99	397	0.20	56.15	12.41	4925.95	0.20	2.50	3753.69	989.23	165.33	1154.56	1759.18	0.66
1.29	0.99	398	0.20	56.29	12.41	4938.36	0.20	2.49	3756.18	988.28	162.84	1151.12	1753.09	0.66
1.79	0.99	399	0.20	56.44	12.41	4950.76	0.20	2.48	3758.66	988.73	160.36	1149.09	1749.48	0.66
1.35	0.99	400	0.20	56.58	12.41	4963.17	0.20	2.45	3761.11	970.53	157.91	1128.44	1712.98	0.66
0.76	0.99	401	0.20	56.72	12.41	4975.58	0.19	2.41	3763.52	960.78	155.50	1116.27	1691.55	0.66
1.66	0.98	402	0.19	56.86	12.41	4987.99	0.19	2.37	3765.89	942.82	153.13	1095.94	1655.79	0.66
1.57	0.98	403	0.19	57.00	12.41	5000.40	0.19	2.34	3768.23	940.20	150.79	1090.99	1647.10	0.66
1.41	0.98	404	0.19	57.14	12.41	5012.80	0.19	2.32	3770.55	932.14	148.47	1080.60	1628.93	0.66
1.06	0.98	405	0.19	57.28	12.41	5025.21	0.18	2.30	3772.85	926.79	146.17	1072.96	1615.59	0.66
1.04	0.97	406	0.18	57.43	12.41	5037.62	0.18	2.25	3775.10	901.07	143.91	1044.99	1566.89	0.67
0.92	0.97	407	0.18	57.57	12.41	5050.03	0.18	2.22	3777.32	899.99	141.70	1041.69	1561.16	0.67
1.70	0.97	408	0.18	57.71	12.41	5062.44	0.18	2.20	3779.52	891.36	139.50	1030.86	1542.41	0.67
0.94	0.97	409	0.18	57.85	12.41	5074.84	0.17	2.16	3781.68	873.95	137.34	1011.29	1508.59	0.67
0.74	0.96	410	0.17	57.99	12.41	5087.25	0.17	2.13	3783.80	868.52	135.21	1003.74	1495.56	0.67
1.13	0.96	411	0.17	58.13	12.41	5099.66	0.17	2.11	3785.92	865.15	133.10	998.25	1486.11	0.67
0.74	0.96	412	0.17	58.27	12.41	5112.07	0.17	2.10	3788.01	861.90	131.00	992.90	1476.95	0.67
0.46	0.96	413	0.17	58.42	12.41	5124.48	0.17	2.07	3790.08	845.69	128.93	974.62	1445.66	0.67
0.93	0.96	414	0.17	58.56	12.41	5136.88	0.16	2.04	3792.13	844.81	126.89	971.70	1440.67	0.67
0.87	0.96	415	0.17	58.70	12.41	5149.29	0.16	2.04	3794.16	842.45	124.85	967.31	1433.18	0.67
1.20	0.96	416	0.17	58.84	12.41	5161.70	0.16	2.02	3796.18	836.32	122.83	959.15	1419.32	0.68
1.28	0.95	417	0.16	58.98	12.41	5174.11	0.16	2.01	3798.19	836.46	120.82	957.28	1416.16	0.68
1.35	0.95	418	0.16	59.12	12.41	5186.52	0.16	2.00	3800.20	837.38	118.82	956.20	1414.33	0.68
2.98	0.95	419	0.16	59.26	12.41	5198.92	0.16	1.99	3802.18	824.52	116.83	941.36	1389.29	0.68
1.18	0.95	420	0.16	59.41	12.41	5211.33	0.16	1.96	3804.14	816.27	114.88	931.15	1372.11	0.68
0.83	0.95	421	0.16	59.55	12.41	5223.74	0.15	1.93	3806.07	807.96	112.95	920.91	1354.92	0.68
0.74	0.95	422	0.16	59.69	12.41	5236.15	0.15	1.91	3807.98	805.43	111.03	916.46	1347.47	0.68
1.47	0.95	423	0.16	59.83	12.41	5248.56	0.15	1.90	3809.88	800.56	109.13	909.69	1336.16	0.68
0.83	0.94	424	0.15	59.97	12.41	5260.96	0.15	1.88	3811.77	795.79	107.25	903.04	1325.07	0.68
0.59	0.94	425	0.15	60.11	12.41	5273.37	0.15	1.87	3813.64	792.19	105.38	897.56	1315.96	0.68
1.00	0.94	426	0.15	60.25	12.41	5285.78	0.15	1.85	3815.49	778.67	103.53	882.20	1290.47	0.68
1.01	0.94	427	0.15	60.40	12.41	5298.19	0.15	1.82	3817.31	776.68	101.71	878.39	1284.16	0.68
0.84	0.94	428	0.15	60.54	12.41	5310.59	0.14	1.80	3819.11	762.35	99.91	862.26	1257.52	0.69
2.22	0.94	429	0.15	60.68	12.41	5323.00	0.14	1.78	3820.89	761.70	98.13	859.83	1253.51	0.69

1.12	0.94	430	0.15	60.82	12.41	5335.41	0.14	1.77	3822.66	760.79	96.36	857.15	1249.12	0.69
1.23	0.93	431	0.14	60.96	12.41	5347.82	0.14	1.76	3824.42	757.15	94.59	851.74	1240.24	0.69
0.95	0.93	432	0.14	61.10	12.41	5360.23	0.14	1.75	3826.18	755.60	92.84	848.44	1234.84	0.69
1.44	0.93	433	0.14	61.24	12.41	5372.63	0.14	1.74	3827.91	748.93	91.10	840.03	1221.12	0.69
1.10	0.93	434	0.14	61.39	12.41	5385.04	0.14	1.73	3829.64	748.78	89.38	838.16	1218.07	0.69
1.75	0.93	435	0.14	61.53	12.41	5397.45	0.14	1.72	3831.37	749.83	87.65	837.48	1216.96	0.69
0.88	0.93	436	0.14	61.67	12.41	5409.86	0.14	1.72	3833.08	745.92	85.93	831.85	1207.84	0.69
0.59	0.93	437	0.14	61.81	12.41	5422.27	0.14	1.70	3834.79	739.37	84.23	823.61	1194.50	0.69
0.60	0.93	438	0.14	61.95	12.41	5434.67	0.14	1.69	3836.47	737.11	82.54	819.66	1188.13	0.69
1.22	0.93	439	0.14	62.09	12.41	5447.08	0.14	1.68	3838.15	736.04	80.86	816.90	1183.69	0.69
0.93	0.93	440	0.14	62.23	12.41	5459.49	0.13	1.67	3839.82	732.53	79.19	811.72	1175.38	0.69
0.55	0.93	441	0.14	62.38	12.41	5471.90	0.13	1.66	3841.49	732.46	77.53	809.99	1172.61	0.69
0.55	0.93	442	0.14	62.52	12.41	5484.31	0.13	1.66	3843.15	732.41	75.87	808.28	1169.87	0.69
0.61	0.92	443	0.13	62.66	12.41	5496.71	0.13	1.64	3844.78	718.61	74.23	792.84	1145.24	0.69
0.69	0.92	444	0.13	62.80	12.41	5509.12	0.13	1.62	3846.40	717.40	72.61	790.01	1140.73	0.69
0.78	0.92	445	0.13	62.94	12.41	5521.53	0.13	1.59	3848.00	700.37	71.02	771.39	1111.15	0.69
0.96	0.92	446	0.13	63.08	12.41	5533.94	0.13	1.57	3849.57	698.74	69.45	768.19	1106.07	0.69
0.97	0.92	447	0.13	63.22	12.41	5546.35	0.13	1.56	3851.13	696.20	67.89	764.09	1099.59	0.69
0.76	0.92	448	0.13	63.37	12.41	5558.75	0.12	1.55	3852.68	692.99	66.33	759.32	1092.07	0.70
0.54	0.91	449	0.12	63.51	12.41	5571.16	0.12	1.53	3854.21	678.45	64.81	743.26	1066.79	0.70
0.80	0.91	450	0.12	63.65	12.41	5583.57	0.12	1.51	3855.72	679.21	63.30	742.50	1065.60	0.70
1.51	0.91	451	0.12	63.79	12.41	5595.98	0.12	1.50	3857.22	671.20	61.80	733.00	1050.71	0.70
1.37	0.91	452	0.12	63.93	12.41	5608.39	0.12	1.48	3858.70	667.92	60.31	728.24	1043.26	0.70
1.44	0.91	453	0.12	64.07	12.41	5620.79	0.12	1.47	3860.18	663.46	58.84	722.30	1034.00	0.70
1.60	0.91	454	0.12	64.21	12.41	5633.20	0.12	1.46	3861.64	661.67	57.38	719.05	1028.94	0.70
1.63	0.91	455	0.12	64.36	12.41	5645.61	0.12	1.44	3863.08	649.83	55.94	705.77	1008.31	0.70
1.28	0.91	456	0.12	64.50	12.41	5658.02	0.11	1.43	3864.51	649.90	54.51	704.41	1006.21	0.70
1.33	0.91	457	0.12	64.64	12.41	5670.42	0.11	1.42	3865.93	648.98	53.09	702.07	1002.58	0.70
0.92	0.91	458	0.12	64.78	12.41	5682.83	0.11	1.42	3867.35	647.40	51.67	699.08	997.96	0.70
0.90	0.90	459	0.11	64.92	12.41	5695.24	0.11	1.40	3868.74	636.20	50.27	686.47	978.56	0.70
0.73	0.90	460	0.11	65.06	12.41	5707.65	0.11	1.38	3870.13	634.34	48.89	683.23	973.57	0.70
0.94	0.90	461	0.11	65.21	12.41	5720.06	0.11	1.37	3871.50	629.22	47.52	676.74	963.62	0.70
0.99	0.90	462	0.11	65.35	12.41	5732.46	0.11	1.35	3872.84	612.62	46.17	658.79	936.16	0.70
1.94	0.90	463	0.11	65.49	12.41	5744.87	0.11	1.32	3874.17	612.41	44.85	657.26	933.83	0.70
1.89	0.90	464	0.11	65.63	12.41	5757.28	0.11	1.32	3875.49	612.71	43.53	656.23	932.26	0.70
2.75	0.90	465	0.11	65.77	12.41	5769.69	0.11	1.31	3876.80	607.45	42.21	649.67	922.28	0.70
1.62	0.90	466	0.11	65.91	12.41	5782.10	0.10	1.30	3878.10	600.89	40.92	641.81	910.36	0.71
1.40	0.89	467	0.10	66.05	12.41	5794.50	0.10	1.28	3879.38	594.21	39.63	633.84	898.31	0.71
1.17	0.89	468	0.10	66.20	12.41	5806.91	0.10	1.27	3880.65	590.97	38.37	629.34	891.51	0.71
1.28	0.89	469	0.10	66.34	12.41	5819.32	0.10	1.26	3881.91	591.87	37.10	628.97	890.96	0.71
0.91	0.89	470	0.10	66.48	12.41	5831.73	0.10	1.24	3883.16	577.08	35.86	612.93	866.84	0.71
0.81	0.89	471	0.10	66.62	12.41	5844.14	0.10	1.22	3884.37	567.76	34.64	602.40	851.04	0.71

1.22	0.89	472	0.10	66.76	12.41	5856.54	0.10	1.20	3885.57	563.96	33.44	597.41	843.55	0.71
0.74	0.89	473	0.10	66.90	12.41	5868.95	0.10	1.19	3886.77	562.74	32.25	594.99	839.95	0.71
0.83	0.88	474	0.09	67.04	12.41	5881.36	0.09	1.15	3887.92	530.99	31.10	562.09	790.88	0.71
1.49	0.88	475	0.09	67.19	12.41	5893.77	0.09	1.12	3889.04	528.84	29.98	558.82	786.02	0.71
0.73	0.88	476	0.09	67.33	12.41	5906.18	0.09	1.09	3890.13	507.25	28.89	536.14	752.35	0.71
0.76	0.88	477	0.09	67.47	12.41	5918.58	0.08	1.06	3891.19	501.95	27.83	529.78	742.93	0.71
0.57	0.88	478	0.09	67.61	12.41	5930.99	0.08	1.05	3892.23	498.12	26.78	524.90	735.72	0.71
0.57	0.88	479	0.09	67.75	12.41	5943.40	0.08	1.04	3893.27	495.78	25.74	521.52	730.73	0.71
0.58	0.87	480	0.08	67.89	12.41	5955.81	0.08	1.03	3894.30	489.65	24.72	514.37	720.20	0.71
0.64	0.87	481	0.08	68.03	12.41	5968.22	0.08	1.00	3895.30	471.22	23.72	494.94	691.64	0.72
0.80	0.87	482	0.08	68.18	12.41	5980.62	0.07	0.96	3896.26	448.54	22.76	471.30	656.99	0.72
0.88	0.87	483	0.08	68.32	12.41	5993.03	0.07	0.92	3897.18	443.88	21.84	465.71	648.81	0.72
0.87	0.86	484	0.07	68.46	12.41	6005.44	0.07	0.90	3898.08	429.50	20.93	450.43	626.50	0.72
0.68	0.86	485	0.07	68.60	12.41	6017.85	0.07	0.87	3898.95	411.56	20.07	431.62	599.09	0.72
0.75	0.86	486	0.07	68.74	12.41	6030.25	0.07	0.84	3899.79	403.65	19.23	422.87	586.37	0.72
0.81	0.86	487	0.07	68.88	12.41	6042.66	0.06	0.82	3900.61	391.41	18.41	409.81	567.42	0.72
1.00	0.85	488	0.06	69.02	12.41	6055.07	0.06	0.79	3901.40	381.15	17.62	398.77	551.42	0.72
0.74	0.85	489	0.06	69.17	12.41	6067.48	0.06	0.77	3902.17	367.12	16.85	383.97	530.03	0.72
0.63	0.85	490	0.06	69.31	12.41	6079.89	0.06	0.75	3902.91	363.63	16.10	379.74	523.93	0.72
0.58	0.85	491	0.06	69.45	12.41	6092.29	0.06	0.74	3903.65	364.38	15.36	379.74	523.93	0.72
1.17	0.85	492	0.06	69.59	12.41	6104.70	0.06	0.73	3904.39	355.46	14.63	370.09	510.07	0.73
0.77	0.85	493	0.06	69.73	12.41	6117.11	0.06	0.72	3905.10	351.25	13.91	365.16	503.01	0.73
1.53	0.85	494	0.06	69.87	12.41	6129.52	0.06	0.71	3905.82	351.08	13.20	364.29	501.75	0.73
0.92	0.85	495	0.06	70.01	12.41	6141.93	0.06	0.71	3906.53	351.80	12.49	364.29	501.75	0.73
1.01	0.85	496	0.06	70.16	12.41	6154.33	0.06	0.70	3907.23	343.38	11.79	355.17	488.76	0.73
0.61	0.84	497	0.05	70.30	12.41	6166.74	0.05	0.68	3907.91	331.75	11.11	342.86	471.26	0.73
0.91	0.84	498	0.05	70.44	12.41	6179.15	0.05	0.65	3908.56	316.92	10.46	327.38	449.29	0.73
0.88	0.84	499	0.05	70.58	12.41	6191.56	0.05	0.63	3909.19	308.40	9.83	318.23	436.33	0.73
1.05	0.84	500	0.05	70.72	12.41	6203.97	0.05	0.61	3909.79	298.41	9.22	307.64	421.36	0.73
0.56	0.84	501	0.05	70.86	12.41	6216.37	0.05	0.59	3910.39	295.33	8.63	303.96	416.17	0.73
0.53	0.84	502	0.05	71.00	12.41	6228.78	0.05	0.58	3910.97	283.45	8.05	291.50	398.63	0.73
1.31	0.83	503	0.04	71.15	12.41	6241.19	0.04	0.56	3911.52	274.53	7.50	282.03	385.32	0.73
1.81	0.83	504	0.04	71.29	12.41	6253.60	0.04	0.53	3912.05	257.26	6.97	264.23	360.38	0.73
0.77	0.83	505	0.04	71.43	12.41	6266.01	0.04	0.50	3912.55	252.22	6.46	258.69	352.61	0.73
0.73	0.83	506	0.04	71.57	12.41	6278.41	0.04	0.50	3913.05	248.95	5.97	254.92	347.35	0.73
0.81	0.83	507	0.04	71.71	12.41	6290.82	0.04	0.48	3913.53	235.31	5.49	240.80	327.66	0.73
0.77	0.83	508	0.04	71.85	12.41	6303.23	0.04	0.46	3913.99	235.38	5.03	240.41	327.13	0.73
0.49	0.83	509	0.04	71.99	12.41	6315.64	0.04	0.45	3914.44	225.84	4.57	230.41	313.25	0.74
0.61	0.83	510	0.04	72.14	12.41	6328.05	0.04	0.44	3914.89	223.48	4.13	227.61	309.37	0.74
0.98	0.82	511	0.03	72.28	12.41	6340.45	0.03	0.41	3915.30	196.97	3.72	200.69	272.13	0.74
1.20	0.82	512	0.03	72.42	12.41	6352.86	0.03	0.38	3915.67	186.96	3.34	190.31	257.81	0.74
1.30	0.82	513	0.03	72.56	12.41	6365.27	0.02	0.34	3916.01	158.32	3.01	161.33	217.89	0.74

0.72	0.81	514	0.02	72.70	12.41	6377.68	0.02	0.30	3916.31	152.66	2.70	155.36	209.68	0.74
0.82	0.81	515	0.02	72.84	12.41	6390.08	0.02	0.29	3916.60	148.43	2.41	150.84	203.47	0.74
1.36	0.81	516	0.02	72.98	12.41	6402.49	0.02	0.27	3916.87	129.26	2.14	131.41	176.86	0.74
0.89	0.81	517	0.02	73.13	12.41	6414.90	0.02	0.24	3917.11	119.36	1.90	121.27	163.00	0.74
0.64	0.81	518	0.02	73.27	12.41	6427.31	0.02	0.23	3917.35	119.19	1.67	120.86	162.45	0.74
0.71	0.81	519	0.02	73.41	12.41	6439.72	0.02	0.22	3917.56	108.01	1.45	109.46	146.92	0.75
0.84	0.81	520	0.02	73.55	12.41	6452.12	0.02	0.21	3917.77	107.60	1.25	108.85	146.09	0.75
0.58	0.81	521	0.02	73.69	12.41	6464.53	0.02	0.21	3917.98	107.60	1.04	108.64	145.81	0.75
0.83	0.80	522	0.01	73.83	12.41	6476.94	0.01	0.18	3918.16	77.50	0.86	78.36	104.82	0.75
1.94	0.80	523	0.01	73.97	12.41	6489.35	0.01	0.15	3918.30	75.97	0.71	76.68	102.55	0.75
1.20	0.80	524	0.01	74.12	12.41	6501.76	0.01	0.14	3918.44	69.95	0.57	70.53	94.25	0.75
1.22	0.80	525	0.01	74.26	12.41	6514.16	0.01	0.13	3918.57	65.97	0.45	66.41	88.71	0.75
1.13	0.80	526	0.01	74.40	12.41	6526.57	0.01	0.12	3918.70	64.88	0.32	65.20	87.08	0.75
0.84	0.80	527	0.01	74.54	12.41	6538.98	0.01	0.12	3918.82	60.40	0.20	60.60	80.91	0.75
0.90	0.80	528	0.01	74.68	12.41	6551.39	0.01	0.11	3918.93	56.81	0.09	56.90	75.96	0.75
0.93	0.79	529	0.00	74.82	12.41	6563.80	0.00	0.07	3918.99	12.05	0.03	12.07	16.08	0.75
0.74	0.79	530	0.00	74.96	12.41	6576.20	0.00	0.02	3919.01	6.45	0.01	6.46	8.59	0.75
0.63	0.79	531	0.00	75.11	12.41	6588.61	0.00	0.01	3919.02	1.95	0.00	1.95	2.60	0.75

---

Escenario EOH-1

Caudal medio mensual m³/s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (MWh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
1.5	1	3.5	0.5	46.3	46.3	3.5			160.9	5353.9	5514.9	30415.7	0.2
1.4	2	3.4	1.1	46.3	92.7	3.3	157.0	157.0	306.1	5197.0	5503.0	28923.1	0.2
1.8	3	3.3	1.6	46.3	139.0	3.2	151.6	308.6	450.5	5045.4	5495.9	28383.3	0.2
0.7	4	2.9	2.1	46.3	185.4	2.9	141.6	450.2	532.0	4903.8	5435.8	25137.5	0.2
0.8	5	2.9	2.6	46.3	231.7	2.9	132.8	583.0	663.2	4770.9	5434.1	25068.2	0.2
2.6	6	2.3	3.2	46.3	278.1	2.3	119.4	702.4	637.4	4651.5	5288.9	20077.4	0.3
1.4	7	2.2	3.7	46.3	324.4	2.2	103.7	806.1	707.6	4547.9	5255.5	19105.4	0.3
1.1	8	2.2	4.2	46.3	370.8	2.2	100.6	906.6	800.2	4447.3	5247.5	18905.8	0.3
0.9	9	2.0	4.7	46.3	417.1	1.9	95.2	1001.8	812.6	4352.1	5164.8	17065.1	0.3
1.6	10	1.9	5.3	46.3	463.5	1.8	87.8	1089.7	854.1	4264.3	5118.3	16141.6	0.3
1.1	11	1.8	5.8	46.3	509.8	1.8	84.0	1173.7	908.9	4180.3	5089.2	15616.5	0.3
1.4	12	1.6	6.3	46.3	556.2	1.6	78.8	1252.5	900.1	4101.5	5001.6	14176.6	0.4
1.3	13	1.6	6.8	46.3	602.5	1.6	74.4	1326.9	959.6	4027.0	4986.6	13951.0	0.4
1.0	14	1.6	7.4	46.3	648.9	1.6	73.0	1399.9	1009.6	3954.1	4963.7	13629.4	0.4
1.9	15	1.6	7.9	46.3	695.2	1.5	71.8	1471.7	1072.7	3882.3	4955.0	13516.2	0.4
4.5	16	1.5	8.4	46.3	741.6	1.5	70.1	1541.8	1100.5	3812.1	4912.6	12999.2	0.4
2.5	17	1.5	9.0	46.3	787.9	1.5	68.1	1609.9	1146.1	3744.0	4890.1	12741.9	0.4
0.9	18	1.5	9.5	46.3	834.3	1.4	67.2	1677.2	1206.8	3676.8	4883.6	12671.1	0.4
0.8	19	1.4	10.0	46.3	880.6	1.4	66.0	1743.1	1232.9	3610.8	4843.7	12263.8	0.4
1.2	20	1.4	10.5	46.3	927.0	1.4	64.7	1807.8	1288.7	3546.2	4834.9	12178.2	0.4
1.2	21	1.3	11.1	46.3	973.3	1.3	62.4	1870.2	1268.6	3483.7	4752.3	11417.4	0.4
1.5	22	1.3	11.6	46.3	1019.7	1.3	59.7	1929.9	1297.8	3424.0	4721.9	11149.5	0.4
3.5	23	1.3	12.1	46.3	1066.0	1.3	59.0	1988.9	1355.2	3365.1	4720.3	11136.1	0.4
2.0	24	1.3	12.6	46.3	1112.4	1.2	58.3	2047.2	1385.2	3306.8	4691.9	10908.3	0.4
0.9	25	1.3	13.2	46.3	1158.7	1.2	57.6	2104.8	1438.0	3249.1	4687.2	10871.4	0.4
1.4	26	1.3	13.7	46.3	1205.1	1.2	57.5	2162.3	1492.6	3191.7	4684.3	10850.1	0.4
0.8	27	1.2	14.2	46.3	1251.4	1.2	56.1	2218.4	1481.9	3135.5	4617.4	10373.3	0.4
2.2	28	1.2	14.7	46.3	1297.8	1.2	54.2	2272.6	1497.7	3081.3	4579.0	10109.5	0.5
0.9	29	1.2	15.3	46.3	1344.1	1.1	53.2	2325.8	1532.0	3028.2	4560.2	9984.5	0.5
0.7	30	1.1	15.8	46.3	1390.5	1.1	52.1	2377.8	1538.7	2976.1	4514.8	9693.5	0.5
0.4	31	1.1	16.3	46.3	1436.8	1.1	51.3	2429.1	1589.0	2924.9	4513.9	9687.8	0.5
3.7	32	1.1	16.8	46.3	1483.2	1.1	51.2	2480.3	1639.3	2873.6	4513.0	9682.4	0.5
1.5	33	1.1	17.4	46.3	1529.5	1.1	50.5	2530.9	1645.5	2823.1	4468.6	9424.3	0.5
0.9	34	1.1	17.9	46.3	1575.9	1.1	49.7	2580.6	1685.0	2773.4	4458.3	9366.4	0.5
1.3	35	1.1	18.4	46.3	1622.2	1.1	49.4	2629.9	1720.8	2724.0	4444.8	9292.1	0.5



1.4	36	1.0	19.0	46.3	1668.6	1.0	47.9	2677.9	1679.9	2676.1	4356.0	8819.5	0.5
1.2	37	1.0	19.5	46.3	1714.9	1.0	46.4	2724.2	1705.7	2629.7	4335.4	8712.8	0.5
1.4	38	1.0	20.0	46.3	1761.3	1.0	45.8	2770.1	1730.6	2583.9	4314.5	8607.4	0.5
1.2	39	1.0	20.5	46.3	1807.6	1.0	44.8	2814.9	1720.4	2539.0	4259.4	8337.1	0.5
0.8	40	1.0	21.1	46.3	1854.0	0.9	43.8	2858.7	1738.2	2495.3	4233.4	8212.9	0.5
0.6	41	0.9	21.6	46.3	1900.3	0.9	42.9	2901.6	1735.8	2452.4	4188.1	8001.4	0.5
1.0	42	0.9	22.1	46.3	1946.7	0.9	42.2	2943.8	1769.2	2410.1	4179.4	7961.5	0.5
1.1	43	0.9	22.6	46.3	1993.0	0.9	41.8	2985.6	1783.0	2368.3	4151.3	7836.8	0.5
0.6	44	0.9	23.2	46.3	2039.4	0.9	41.1	3026.7	1793.7	2327.2	4120.9	7704.7	0.5
0.6	45	0.9	23.7	46.3	2085.7	0.9	40.7	3067.4	1832.2	2286.5	4118.7	7695.4	0.5
0.6	46	0.9	24.2	46.3	2132.1	0.9	40.5	3108.0	1857.1	2245.9	4103.0	7630.2	0.5
1.2	47	0.9	24.7	46.3	2178.4	0.9	40.1	3148.1	1869.3	2205.9	4075.2	7517.1	0.5
1.6	48	0.9	25.3	46.3	2224.8	0.8	39.5	3187.6	1882.4	2166.4	4048.7	7411.8	0.5
1.5	49	0.9	25.8	46.3	2271.1	0.8	39.2	3226.7	1916.3	2127.2	4043.6	7391.6	0.5
1.3	50	0.8	26.3	46.3	2317.5	0.8	38.6	3265.3	1907.2	2088.6	3995.8	7209.4	0.6
0.7	51	0.8	26.8	46.3	2363.8	0.8	38.1	3303.5	1941.2	2050.5	3991.7	7194.0	0.6
0.6	52	0.8	27.4	46.3	2410.2	0.8	37.7	3341.2	1944.9	2012.8	3957.6	7068.9	0.6
0.7	53	0.8	27.9	46.3	2456.5	0.8	37.4	3378.5	1978.4	1975.4	3953.8	7055.0	0.6
1.0	54	0.8	28.4	46.3	2502.9	0.8	37.1	3415.6	1989.6	1938.3	3927.9	6963.6	0.6
1.4	55	0.8	29.0	46.3	2549.2	0.8	36.6	3452.2	2000.2	1901.7	3901.9	6873.5	0.6
0.8	56	0.8	29.5	46.3	2595.6	0.7	35.5	3487.8	1944.2	1866.2	3810.3	6561.6	0.6
1.5	57	0.8	30.0	46.3	2641.9	0.7	34.5	3522.3	1956.6	1831.6	3788.2	6487.6	0.6
1.0	58	0.8	30.5	46.3	2688.3	0.7	34.2	3556.5	1978.1	1797.4	3775.5	6445.7	0.6
2.7	59	0.7	31.1	46.3	2734.6	0.7	33.7	3590.3	1969.8	1763.7	3733.4	6310.0	0.6
1.4	60	0.7	31.6	46.3	2781.0	0.7	33.3	3623.6	1998.8	1730.3	3729.1	6296.2	0.6
0.9	61	0.7	32.1	46.3	2827.3	0.7	33.3	3656.9	2028.3	1697.0	3725.3	6284.4	0.6
2.0	62	0.7	32.6	46.3	2873.7	0.7	33.2	3690.1	2054.2	1663.8	3718.1	6262.0	0.6
2.3	63	0.7	33.2	46.3	2920.0	0.7	32.6	3722.7	2015.5	1631.3	3646.8	6046.4	0.6
1.8	64	0.7	33.7	46.3	2966.3	0.7	31.8	3754.4	2022.0	1599.5	3621.5	5971.1	0.6
1.1	65	0.7	34.2	46.3	3012.7	0.7	31.5	3785.9	2040.8	1568.0	3608.8	5934.0	0.6
1.8	66	0.7	34.7	46.3	3059.0	0.7	31.4	3817.3	2068.0	1536.6	3604.7	5922.1	0.6
1.3	67	0.7	35.3	46.3	3105.4	0.7	31.1	3848.4	2067.2	1505.5	3572.8	5831.4	0.6
0.9	68	0.7	35.8	46.3	3151.7	0.7	30.6	3879.0	2062.3	1474.9	3537.2	5731.9	0.6
1.5	69	0.7	36.3	46.3	3198.1	0.7	30.3	3909.3	2085.2	1444.7	3529.9	5711.6	0.6
1.3	70	0.7	36.8	46.3	3244.4	0.7	30.2	3939.4	2109.1	1414.5	3523.6	5694.7	0.6
1.6	71	0.6	37.4	46.3	3290.8	0.6	29.8	3969.2	2088.7	1384.7	3473.4	5560.0	0.6
0.9	72	0.6	37.9	46.3	3337.1	0.6	29.4	3998.6	2110.0	1355.4	3465.3	5538.7	0.6
1.6	73	0.6	38.4	46.3	3383.5	0.6	29.2	4027.8	2130.3	1326.1	3456.4	5515.4	0.6
1.5	74	0.6	39.0	46.3	3429.8	0.6	28.6	4056.4	2072.0	1297.5	3369.5	5292.0	0.6
2.5	75	0.6	39.5	46.3	3476.2	0.6	27.9	4084.3	2088.3	1269.6	3357.9	5262.6	0.6
0.9	76	0.6	40.0	46.3	3522.5	0.6	27.8	4112.1	2112.2	1241.8	3354.0	5252.7	0.6
0.8	77	0.6	40.5	46.3	3568.9	0.6	27.5	4139.6	2091.5	1214.3	3305.8	5133.7	0.6

0.7	78	0.6	41.1	46.3	3615.2	0.6	27.1	4166.7	2102.4	1187.3	3289.7	5094.3	0.6
1.1	79	0.6	41.6	46.3	3661.6	0.6	26.9	4193.6	2128.6	1160.3	3288.9	5092.4	0.6
1.1	80	0.6	42.1	46.3	3707.9	0.6	26.9	4220.5	2150.8	1133.4	3284.2	5081.3	0.6
0.9	81	0.6	42.6	46.3	3754.3	0.6	26.9	4247.4	2176.8	1106.5	3283.3	5079.1	0.6
0.6	82	0.6	43.2	46.3	3800.6	0.6	26.8	4274.3	2197.4	1079.7	3277.0	5064.7	0.6
0.5	83	0.6	43.7	46.3	3847.0	0.6	26.6	4300.8	2188.9	1053.1	3241.9	4984.3	0.7
0.8	84	0.6	44.2	46.3	3893.3	0.6	26.1	4326.9	2164.0	1027.0	3191.0	4868.9	0.7
1.1	85	0.6	44.7	46.3	3939.7	0.6	25.8	4352.7	2189.2	1001.3	3190.5	4867.8	0.7
1.2	86	0.5	45.3	46.3	3986.0	0.5	24.8	4377.4	2042.4	976.5	3018.9	4488.6	0.7
0.7	87	0.5	45.8	46.3	4032.4	0.5	23.7	4401.2	2062.1	952.8	3014.9	4479.8	0.7
1.2	88	0.5	46.3	46.3	4078.7	0.5	23.7	4424.8	2081.9	929.1	3011.0	4471.4	0.7
1.0	89	0.5	46.8	46.3	4125.1	0.5	23.6	4448.4	2097.8	905.5	3003.3	4454.9	0.7
0.6	90	0.5	47.4	46.3	4171.4	0.5	23.5	4472.0	2109.4	882.0	2991.4	4429.8	0.7
1.2	91	0.5	47.9	46.3	4217.8	0.5	23.1	4495.0	2066.2	858.9	2925.1	4291.2	0.7
1.9	92	0.5	48.4	46.3	4264.1	0.5	22.4	4517.4	2029.4	836.5	2865.9	4169.0	0.7
0.9	93	0.5	49.0	46.3	4310.5	0.5	22.0	4539.4	2047.3	814.5	2861.8	4160.7	0.7
0.4	94	0.5	49.5	46.3	4356.8	0.5	22.0	4561.4	2058.7	792.5	2851.2	4139.2	0.7
0.4	95	0.5	50.0	46.3	4403.2	0.5	21.8	4583.2	2054.0	770.8	2824.8	4086.4	0.7
1.1	96	0.5	50.5	46.3	4449.5	0.5	21.4	4604.6	2041.4	749.3	2790.7	4018.9	0.7
0.6	97	0.5	51.1	46.3	4495.9	0.5	21.2	4625.8	2047.9	728.1	2776.1	3990.3	0.7
1.9	98	0.5	51.6	46.3	4542.2	0.5	21.0	4646.8	2047.2	707.1	2754.3	3948.2	0.7
1.6	99	0.5	52.1	46.3	4588.6	0.4	20.8	4667.6	2049.7	686.4	2736.1	3913.1	0.7
0.7	100	0.4	52.6	46.3	4634.9	0.4	20.4	4687.9	2000.6	666.0	2666.6	3781.2	0.7
0.6	101	0.4	53.2	46.3	4681.3	0.4	20.0	4707.9	2020.6	646.0	2666.6	3781.2	0.7
1.3	102	0.4	53.7	46.3	4727.6	0.4	20.0	4728.0	2040.6	626.0	2666.6	3781.2	0.7
1.1	103	0.4	54.2	46.3	4774.0	0.4	20.0	4748.0	2060.6	606.0	2666.6	3781.2	0.7
0.8	104	0.4	54.7	46.3	4820.3	0.4	20.0	4767.9	2072.3	586.0	2658.3	3765.9	0.7
0.9	105	0.4	55.3	46.3	4866.7	0.4	19.9	4787.8	2080.9	566.1	2647.1	3745.7	0.7
0.5	106	0.4	55.8	46.3	4913.0	0.4	19.8	4807.6	2092.2	546.4	2638.6	3730.4	0.7
0.8	107	0.4	56.3	46.3	4959.4	0.4	19.7	4827.2	2095.5	526.7	2622.2	3701.4	0.7
0.5	108	0.4	56.8	46.3	5005.7	0.4	19.4	4846.7	2082.1	507.3	2589.4	3643.7	0.7
0.5	109	0.4	57.4	46.3	5052.1	0.4	19.3	4865.9	2096.4	488.0	2584.4	3635.1	0.7
0.8	110	0.4	57.9	46.3	5098.4	0.4	19.2	4885.1	2108.7	468.8	2577.5	3623.2	0.7
1.7	111	0.4	58.4	46.3	5144.8	0.4	19.1	4904.2	2116.4	449.7	2566.1	3603.6	0.7
1.6	112	0.4	59.0	46.3	5191.1	0.4	19.0	4923.3	2128.7	430.7	2559.3	3592.1	0.7
1.4	113	0.4	59.5	46.3	5237.5	0.4	19.0	4942.2	2135.7	411.7	2547.4	3572.1	0.7
1.1	114	0.4	60.0	46.3	5283.8	0.4	18.9	4961.1	2150.3	392.8	2543.1	3564.9	0.7
1.0	115	0.4	60.5	46.3	5330.2	0.4	18.7	4979.9	2142.4	374.1	2516.5	3521.1	0.7
0.9	116	0.4	61.1	46.3	5376.5	0.4	18.1	4998.0	2041.7	356.0	2397.6	3326.5	0.7
1.4	117	0.4	61.6	46.3	5422.9	0.4	17.5	5015.5	2047.3	338.4	2385.7	3307.1	0.7
1.1	118	0.4	62.1	46.3	5469.2	0.4	17.4	5032.9	2042.6	321.0	2363.7	3271.7	0.7
1.7	119	0.4	62.6	46.3	5515.6	0.4	17.1	5050.1	2019.4	303.9	2323.3	3207.3	0.7

0.9	120	0.4	63.2	46.3	5561.9	0.4	16.8	5066.8	1988.2	287.1	2275.3	3131.4	0.7
0.6	121	0.4	63.7	46.3	5608.3	0.3	16.4	5083.2	1953.1	270.7	2223.8	3050.7	0.7
0.6	122	0.3	64.2	46.3	5654.6	0.3	15.8	5099.0	1877.1	255.0	2132.1	2907.9	0.7
1.2	123	0.3	64.7	46.3	5701.0	0.3	15.2	5114.2	1850.3	239.8	2090.0	2843.1	0.7
0.9	124	0.3	65.3	46.3	5747.3	0.3	14.8	5129.0	1809.6	224.9	2034.6	2758.3	0.7
0.6	125	0.3	65.8	46.3	5793.7	0.3	13.7	5142.7	1608.5	211.2	1819.7	2432.0	0.7
0.5	126	0.3	66.3	46.3	5840.0	0.3	12.3	5155.1	1488.6	198.9	1687.5	2232.9	0.8
0.6	127	0.2	66.8	46.3	5886.3	0.2	11.2	5166.3	1355.3	187.6	1543.0	2017.0	0.8
0.7	128	0.2	67.4	46.3	5932.7	0.2	10.6	5177.0	1359.4	177.0	1536.4	2007.3	0.8
0.8	129	0.2	67.9	46.3	5979.0	0.2	10.5	5187.4	1330.5	166.5	1497.0	1949.4	0.8
1.5	130	0.2	68.4	46.3	6025.4	0.2	10.2	5197.6	1316.2	156.3	1472.5	1913.6	0.8
0.9	131	0.2	69.0	46.3	6071.7	0.2	10.1	5207.7	1320.3	146.2	1466.5	1904.9	0.8
1.0	132	0.2	69.5	46.3	6118.1	0.2	9.7	5217.5	1233.7	136.5	1370.2	1766.4	0.8
0.6	133	0.2	70.0	46.3	6164.4	0.2	9.3	5226.8	1233.8	127.2	1361.0	1753.4	0.8
0.9	134	0.2	70.5	46.3	6210.8	0.2	8.7	5235.5	1097.7	118.4	1216.2	1548.3	0.8
0.9	135	0.2	71.1	46.3	6257.1	0.2	8.1	5243.6	1079.5	110.3	1189.9	1511.3	0.8
1.0	136	0.2	71.6	46.3	6303.5	0.2	7.9	5251.5	1074.1	102.4	1176.5	1492.6	0.8
0.6	137	0.2	72.1	46.3	6349.8	0.2	7.8	5259.3	1052.7	94.6	1147.3	1452.3	0.8
0.5	138	0.2	72.6	46.3	6396.2	0.2	7.6	5267.0	1044.4	87.0	1131.4	1430.4	0.8
0.7	139	0.2	73.2	46.3	6442.5	0.2	7.5	5274.5	1031.9	79.5	1111.4	1403.0	0.8
0.8	140	0.2	73.7	46.3	6488.9	0.2	7.3	5281.7	999.9	72.2	1072.1	1349.9	0.8
0.6	141	0.2	74.2	46.3	6535.2	0.1	7.0	5288.8	976.2	65.2	1041.4	1308.5	0.8
0.8	142	0.2	74.7	46.3	6581.6	0.1	6.9	5295.7	977.5	58.3	1035.8	1301.1	0.8
1.9	143	0.1	75.3	46.3	6627.9	0.1	6.8	5302.5	958.0	51.5	1009.4	1266.1	0.8
1.2	144	0.1	75.8	46.3	6674.3	0.1	6.4	5308.9	890.0	45.0	935.1	1168.2	0.8
1.2	145	0.1	76.3	46.3	6720.6	0.1	5.5	5314.4	695.6	39.5	735.1	906.6	0.8
1.1	146	0.1	76.8	46.3	6767.0	0.1	4.7	5319.1	683.1	34.8	717.9	884.3	0.8
0.6	147	0.1	77.4	46.3	6813.3	0.1	4.6	5323.7	656.6	30.2	686.8	844.2	0.8
1.1	148	0.1	77.9	46.3	6859.7	0.1	4.3	5328.0	616.9	25.9	642.8	787.8	0.8
1.3	149	0.1	78.4	46.3	6906.0	0.1	4.2	5332.2	616.3	21.8	638.1	781.7	0.8
1.6	150	0.1	79.0	46.3	6952.4	0.1	3.9	5336.0	534.9	17.9	552.8	674.0	0.8
1.0	151	0.1	79.5	46.3	6998.7	0.1	3.3	5339.4	467.8	14.6	482.3	585.5	0.8
1.1	152	0.1	80.0	46.3	7045.1	0.1	3.0	5342.3	426.2	11.6	437.8	529.9	0.8
1.1	153	0.1	80.5	46.3	7091.4	0.1	2.6	5344.9	373.4	9.0	382.4	461.3	0.8
0.8	154	0.0	81.1	46.3	7137.8	0.0	2.3	5347.3	342.4	6.7	349.1	420.3	0.8
1.2	155	0.0	81.6	46.3	7184.1	0.0	2.1	5349.3	295.5	4.6	300.1	360.4	0.8
1.8	156	0.0	82.1	46.3	7230.5	0.0	1.8	5351.2	279.6	2.8	282.3	338.7	0.8
0.8	157	0.0	82.6	46.3	7276.8	0.0	1.8	5353.0	277.3	1.0	278.2	333.8	0.8
0.5	158	0.0	83.2	46.3	7323.2	0.0	1.0	5353.9	31.5	0.0	31.5	37.7	0.8

Escenario EOH-2

Caudal medio mensual m <sup>3</sup> /s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (Mwh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
1.46	1	3.39	0.53	46.35	46.35	3.32			154.11	4334.01	4488.12	29126.62	0.15
1.45	2	3.22	1.05	46.35	92.70	3.15	150.16	150.16	292.42	4183.85	4476.28	27634.02	0.16
1.77	3	3.15	1.58	46.35	139.05	3.09	144.78	294.94	430.07	4039.07	4469.14	27094.27	0.16
0.73	4	2.78	2.11	46.35	185.40	2.72	134.77	429.71	504.73	3904.30	4409.03	23848.52	0.18
0.79	5	2.77	2.63	46.35	231.75	2.71	126.00	555.71	629.08	3778.30	4407.38	23779.21	0.19
2.58	6	2.19	3.16	46.35	278.10	2.14	112.61	668.33	596.46	3665.69	4262.14	18788.39	0.23
1.38	7	2.07	3.68	46.35	324.44	2.03	96.84	765.16	659.87	3568.85	4228.72	17816.39	0.24
1.08	8	2.05	4.21	46.35	370.79	2.01	93.74	858.90	745.68	3475.11	4220.80	17616.80	0.24
0.93	9	1.84	4.74	46.35	417.14	1.80	88.34	947.24	751.24	3386.77	4138.01	15776.11	0.26
1.64	10	1.73	5.26	46.35	463.49	1.70	81.03	1028.27	785.85	3305.74	4091.59	14852.54	0.28
1.05	11	1.67	5.79	46.35	509.84	1.64	77.20	1105.47	833.87	3228.55	4062.42	14327.47	0.28
1.39	12	1.50	6.32	46.35	556.19	1.47	72.00	1177.46	818.26	3156.55	3974.81	12887.57	0.31
1.28	13	1.47	6.84	46.35	602.54	1.45	67.59	1245.06	870.93	3088.96	3959.88	12661.92	0.31
0.99	14	1.44	7.37	46.35	648.89	1.41	66.14	1311.20	914.10	3022.81	3936.91	12340.35	0.32
1.87	15	1.42	7.89	46.35	695.24	1.40	64.99	1376.19	970.41	2957.82	3928.23	12227.20	0.32
4.49	16	1.36	8.42	46.35	741.59	1.34	63.33	1439.52	991.34	2894.49	3885.83	11710.16	0.33
2.53	17	1.33	8.95	46.35	787.94	1.31	61.28	1500.80	1030.16	2833.22	3863.37	11452.90	0.34
0.90	18	1.32	9.47	46.35	834.29	1.30	60.41	1561.21	1084.00	2772.81	3856.81	11382.03	0.34
0.77	19	1.28	10.00	46.35	880.63	1.25	59.15	1620.35	1103.29	2713.66	3816.95	10974.81	0.35
1.15	20	1.27	10.53	46.35	926.98	1.24	57.84	1678.19	1152.29	2655.82	3808.11	10889.15	0.35
1.16	21	1.18	11.05	46.35	973.33	1.16	55.60	1733.80	1125.37	2600.22	3725.59	10128.37	0.37
1.52	22	1.15	11.58	46.35	1019.68	1.13	52.88	1786.68	1147.77	2547.34	3695.11	9860.42	0.37
3.47	23	1.15	12.11	46.35	1066.03	1.12	52.14	1838.81	1198.32	2495.20	3693.52	9847.03	0.38
2.01	24	1.12	12.63	46.35	1112.38	1.10	51.50	1890.31	1221.49	2443.70	3665.19	9619.24	0.38
0.91	25	1.12	13.16	46.35	1158.73	1.09	50.80	1941.11	1267.51	2392.91	3660.42	9582.37	0.38
1.41	26	1.11	13.68	46.35	1205.08	1.09	50.64	1991.75	1315.27	2342.26	3657.54	9561.03	0.38
0.82	27	1.06	14.21	46.35	1251.43	1.04	49.33	2041.08	1297.75	2292.94	3590.68	9084.22	0.40
2.21	28	1.03	14.74	46.35	1297.78	1.01	47.37	2088.44	1306.73	2245.57	3552.30	8820.43	0.40
0.88	29	1.01	15.26	46.35	1344.13	0.99	46.34	2134.78	1334.23	2199.23	3533.46	8695.50	0.41
0.73	30	0.98	15.79	46.35	1390.48	0.96	45.24	2180.02	1334.05	2153.99	3488.04	8404.50	0.42
0.45	31	0.98	16.32	46.35	1436.83	0.96	44.45	2224.47	1377.58	2109.54	3487.12	8398.77	0.42
3.67	32	0.98	16.84	46.35	1483.17	0.96	44.42	2268.90	1421.09	2065.12	3486.21	8393.33	0.42
1.46	33	0.95	17.37	46.35	1529.52	0.93	43.73	2312.62	1420.44	2021.39	3441.83	8135.24	0.42
0.95	34	0.94	17.89	46.35	1575.87	0.92	42.89	2355.51	1453.08	1978.50	3431.57	8077.39	0.42
1.34	35	0.93	18.42	46.35	1622.22	0.91	42.54	2398.06	1482.06	1935.96	3418.01	8003.10	0.43

1.41	36	0.88	18.95	46.35	1668.57	0.86	41.09	2439.15	1434.37	1894.86	3329.24	7530.45	0.44
1.23	37	0.86	19.47	46.35	1714.92	0.85	39.56	2478.71	1453.32	1855.30	3308.62	7423.73	0.45
1.38	38	0.85	20.00	46.35	1761.27	0.84	39.00	2517.71	1471.42	1816.30	3287.72	7318.39	0.45
1.20	39	0.82	20.53	46.35	1807.62	0.80	38.01	2555.72	1454.37	1778.30	3232.67	7048.11	0.46
0.75	40	0.81	21.05	46.35	1853.97	0.79	36.96	2592.68	1465.36	1741.33	3206.70	6923.85	0.46
0.63	41	0.78	21.58	46.35	1900.32	0.77	36.07	2628.76	1456.13	1705.26	3161.39	6712.40	0.47
0.97	42	0.78	22.11	46.35	1946.67	0.76	35.41	2664.17	1482.77	1669.85	3152.62	6672.48	0.47
1.11	43	0.76	22.63	46.35	1993.02	0.75	34.97	2699.14	1489.70	1634.87	3124.57	6547.74	0.48
0.59	44	0.75	23.16	46.35	2039.37	0.73	34.29	2733.43	1493.59	1600.58	3094.17	6415.67	0.48
0.59	45	0.75	23.68	46.35	2085.71	0.73	33.92	2767.35	1525.32	1566.66	3091.98	6406.36	0.48
0.55	46	0.74	24.21	46.35	2132.06	0.72	33.72	2801.08	1543.36	1532.93	3076.30	6341.22	0.49
1.23	47	0.72	24.74	46.35	2178.41	0.71	33.25	2834.33	1548.79	1499.68	3048.47	6228.11	0.49
1.59	48	0.71	25.26	46.35	2224.76	0.70	32.67	2867.00	1554.99	1467.01	3022.00	6122.76	0.49
1.55	49	0.71	25.79	46.35	2271.11	0.70	32.34	2899.35	1582.15	1434.67	3016.81	6102.57	0.49
1.28	50	0.69	26.32	46.35	2317.46	0.68	31.81	2931.15	1566.23	1402.86	2969.09	5920.35	0.50
0.74	51	0.69	26.84	46.35	2363.81	0.67	31.28	2962.44	1593.41	1371.58	2964.99	5905.00	0.50
0.60	52	0.67	27.37	46.35	2410.16	0.66	30.91	2993.35	1590.23	1340.66	2930.89	5779.86	0.51
0.71	53	0.67	27.89	46.35	2456.51	0.66	30.54	3023.89	1616.92	1310.12	2927.04	5766.00	0.51
0.96	54	0.66	28.42	46.35	2502.86	0.65	30.27	3054.16	1621.29	1279.85	2901.14	5674.52	0.51
1.42	55	0.65	28.95	46.35	2549.21	0.64	29.79	3083.95	1625.10	1250.07	2875.17	5584.43	0.51
0.85	56	0.61	29.47	46.35	2595.56	0.60	28.72	3112.67	1562.24	1221.34	2783.59	5272.56	0.53
1.50	57	0.60	30.00	46.35	2641.90	0.59	27.70	3140.37	1567.81	1193.64	2761.45	5198.53	0.53
1.00	58	0.60	30.53	46.35	2688.25	0.59	27.39	3167.76	1582.48	1166.25	2748.73	5156.69	0.53
2.72	59	0.58	31.05	46.35	2734.60	0.57	26.92	3194.69	1567.38	1139.32	2706.70	5020.93	0.54
1.40	60	0.58	31.58	46.35	2780.95	0.57	26.53	3221.22	1589.58	1112.79	2702.38	5007.18	0.54
0.88	61	0.58	32.11	46.35	2827.30	0.57	26.46	3247.68	1612.26	1086.33	2698.59	4995.35	0.54
1.99	62	0.58	32.63	46.35	2873.65	0.57	26.37	3274.05	1631.36	1059.96	2691.32	4973.00	0.54
2.34	63	0.55	33.16	46.35	2920.00	0.54	25.74	3299.79	1585.80	1034.22	2620.02	4757.39	0.55
1.82	64	0.54	33.68	46.35	2966.35	0.53	24.97	3324.77	1585.47	1009.25	2594.72	4682.10	0.55
1.10	65	0.54	34.21	46.35	3012.70	0.53	24.67	3349.44	1597.47	984.57	2582.04	4644.96	0.56
1.77	66	0.54	34.74	46.35	3059.05	0.53	24.55	3373.99	1617.90	960.03	2577.93	4633.07	0.56
1.32	67	0.53	35.26	46.35	3105.40	0.52	24.27	3398.26	1610.27	935.75	2546.02	4542.39	0.56
0.93	68	0.52	35.79	46.35	3151.75	0.51	23.77	3422.03	1598.49	911.98	2510.48	4442.87	0.57
1.47	69	0.51	36.32	46.35	3198.10	0.50	23.45	3445.48	1614.61	888.53	2503.13	4422.61	0.57
1.27	70	0.51	36.84	46.35	3244.44	0.50	23.36	3468.84	1631.72	865.17	2496.89	4405.63	0.57
1.57	71	0.50	37.37	46.35	3290.79	0.49	22.95	3491.79	1604.45	842.22	2446.67	4271.00	0.57
0.94	72	0.49	37.89	46.35	3337.14	0.49	22.54	3514.33	1618.92	819.68	2438.59	4249.65	0.57
1.58	73	0.49	38.42	46.35	3383.49	0.48	22.42	3536.76	1632.41	797.26	2429.66	4226.37	0.57
1.52	74	0.47	38.95	46.35	3429.84	0.46	21.77	3558.53	1567.29	775.49	2342.77	4002.94	0.59
2.53	75	0.46	39.47	46.35	3476.19	0.45	21.10	3579.63	1576.81	754.38	2331.19	3973.55	0.59
0.93	76	0.46	40.00	46.35	3522.54	0.45	21.00	3600.63	1593.87	733.39	2327.26	3963.71	0.59
0.75	77	0.45	40.53	46.35	3568.89	0.44	20.66	3621.29	1566.34	712.73	2279.07	3844.65	0.59

0.71	78	0.44	41.05	46.35	3615.24	0.43	20.24	3641.52	1570.43	692.49	2262.92	3805.28	0.59
1.14	79	0.44	41.58	46.35	3661.59	0.43	20.13	3661.65	1589.76	672.36	2262.12	3803.34	0.59
1.08	80	0.44	42.11	46.35	3707.94	0.43	20.09	3681.75	1605.19	652.27	2257.45	3792.25	0.60
0.93	81	0.44	42.63	46.35	3754.29	0.43	20.06	3701.80	1624.31	632.21	2256.52	3790.06	0.60
0.61	82	0.44	43.16	46.35	3800.63	0.43	20.02	3721.82	1638.10	612.19	2250.29	3775.62	0.60
0.52	83	0.43	43.68	46.35	3846.98	0.42	19.76	3741.58	1622.77	592.43	2215.20	3695.23	0.60
0.76	84	0.42	44.21	46.35	3893.33	0.41	19.25	3760.83	1591.07	573.18	2164.25	3579.91	0.60
1.11	85	0.42	44.74	46.35	3939.68	0.41	18.94	3779.77	1609.51	554.24	2163.76	3578.80	0.60
1.24	86	0.37	45.26	46.35	3986.03	0.37	17.93	3797.70	1455.89	536.31	1992.20	3199.58	0.62
0.68	87	0.37	45.79	46.35	4032.38	0.36	16.91	3814.61	1468.78	519.41	1988.18	3190.79	0.62
1.16	88	0.37	46.32	46.35	4078.73	0.36	16.86	3831.47	1481.75	502.55	1984.29	3182.39	0.62
0.96	89	0.37	46.84	46.35	4125.08	0.36	16.79	3848.26	1490.81	485.75	1976.56	3165.87	0.62
0.60	90	0.37	47.37	46.35	4171.43	0.36	16.68	3864.95	1495.62	469.07	1964.69	3140.81	0.63
1.16	91	0.35	47.89	46.35	4217.78	0.34	16.25	3881.20	1445.50	452.82	1898.32	3002.20	0.63
1.93	92	0.34	48.42	46.35	4264.13	0.33	15.56	3896.76	1401.90	437.25	1839.15	2879.99	0.64
0.85	93	0.33	48.95	46.35	4310.48	0.33	15.22	3911.97	1413.05	422.04	1835.09	2871.68	0.64
0.45	94	0.33	49.47	46.35	4356.83	0.33	15.14	3927.11	1417.56	406.90	1824.46	2850.20	0.64
0.38	95	0.33	50.00	46.35	4403.17	0.32	14.94	3942.05	1406.07	391.96	1798.03	2797.34	0.64
1.12	96	0.32	50.53	46.35	4449.52	0.31	14.62	3956.67	1386.61	377.34	1763.95	2729.89	0.65
0.60	97	0.31	51.05	46.35	4495.87	0.31	14.37	3971.04	1386.34	362.97	1749.31	2701.22	0.65
1.90	98	0.31	51.58	46.35	4542.22	0.30	14.18	3985.22	1378.81	348.79	1727.60	2659.13	0.65
1.56	99	0.31	52.11	46.35	4588.57	0.30	13.98	3999.20	1374.52	334.81	1709.33	2624.09	0.65
0.67	100	0.29	52.63	46.35	4634.92	0.28	13.53	4012.74	1318.59	321.28	1639.87	2492.13	0.66
0.58	101	0.29	53.16	46.35	4681.27	0.28	13.19	4025.92	1331.77	308.09	1639.87	2492.13	0.66
1.33	102	0.29	53.68	46.35	4727.62	0.28	13.19	4039.11	1344.96	294.91	1639.87	2492.13	0.66
1.14	103	0.29	54.21	46.35	4773.97	0.28	13.19	4052.29	1358.15	281.72	1639.87	2492.13	0.66
0.75	104	0.29	54.74	46.35	4820.32	0.28	13.15	4065.44	1362.94	268.57	1631.52	2476.89	0.66
0.91	105	0.29	55.26	46.35	4866.67	0.28	13.05	4078.49	1364.81	255.52	1620.33	2456.65	0.66
0.50	106	0.28	55.79	46.35	4913.02	0.28	12.96	4091.45	1369.25	242.57	1611.82	2441.40	0.66
0.76	107	0.28	56.32	46.35	4959.37	0.28	12.84	4104.29	1365.73	229.72	1595.45	2412.36	0.66
0.55	108	0.27	56.84	46.35	5005.71	0.27	12.61	4116.90	1345.51	217.11	1562.62	2354.64	0.66
0.52	109	0.27	57.37	46.35	5052.06	0.27	12.44	4129.34	1353.01	204.68	1557.69	2346.04	0.66
0.76	110	0.27	57.89	46.35	5098.41	0.27	12.38	4141.72	1358.48	192.30	1550.78	2334.12	0.66
1.66	111	0.27	58.42	46.35	5144.76	0.26	12.30	4154.01	1359.33	180.00	1539.33	2314.53	0.67
1.57	112	0.27	58.95	46.35	5191.11	0.26	12.22	4166.23	1364.78	167.78	1532.57	2303.07	0.67
1.41	113	0.27	59.47	46.35	5237.46	0.26	12.13	4178.36	1364.98	155.65	1520.63	2283.02	0.67
1.06	114	0.26	60.00	46.35	5283.81	0.26	12.06	4190.42	1372.77	143.59	1516.36	2275.91	0.67
1.04	115	0.26	60.53	46.35	5330.16	0.25	11.93	4202.35	1358.12	131.66	1489.78	2232.03	0.67
0.92	116	0.24	61.05	46.35	5376.51	0.23	11.30	4213.64	1250.53	120.37	1370.90	2037.51	0.67
1.44	117	0.23	61.58	46.35	5422.86	0.23	10.73	4224.37	1249.30	109.64	1358.94	2018.10	0.67
1.10	118	0.23	62.11	46.35	5469.21	0.23	10.58	4234.96	1237.85	99.06	1336.90	1982.66	0.67
1.75	119	0.22	62.63	46.35	5515.56	0.22	10.32	4245.28	1207.82	88.74	1296.56	1918.30	0.68

0.88	120	0.21	63.16	46.35	5561.90	0.21	9.95	4255.23	1169.75	78.79	1248.53	1842.35	0.68
0.59	121	0.21	63.68	46.35	5608.25	0.20	9.53	4264.76	1127.85	69.25	1197.10	1761.68	0.68
0.60	122	0.19	64.21	46.35	5654.60	0.18	8.94	4273.70	1045.01	60.31	1105.32	1618.92	0.68
1.22	123	0.18	64.74	46.35	5700.95	0.18	8.39	4282.10	1011.36	51.91	1063.28	1554.05	0.68
0.93	124	0.17	65.26	46.35	5747.30	0.17	8.00	4290.10	963.93	43.92	1007.85	1469.22	0.69
0.55	125	0.13	65.79	46.35	5793.65	0.13	6.91	4297.01	755.92	37.01	792.92	1142.94	0.69
0.55	126	0.11	66.32	46.35	5840.00	0.11	5.52	4302.53	629.27	31.49	660.76	943.91	0.70
0.61	127	0.08	66.84	46.35	5886.35	0.08	4.42	4306.95	489.16	27.06	516.22	727.96	0.71
0.69	128	0.08	67.37	46.35	5932.70	0.08	3.83	4310.78	486.44	23.24	509.67	718.26	0.71
0.78	129	0.08	67.89	46.35	5979.05	0.08	3.65	4314.42	450.69	19.59	470.28	660.32	0.71
1.53	130	0.07	68.42	46.35	6025.40	0.07	3.40	4317.82	429.60	16.19	445.79	624.57	0.71
0.92	131	0.07	68.95	46.35	6071.75	0.07	3.28	4321.10	426.87	12.91	439.78	615.87	0.71
1.01	132	0.06	69.47	46.35	6118.10	0.05	2.89	4324.00	333.39	10.02	343.41	477.36	0.72
0.61	133	0.05	70.00	46.35	6164.44	0.05	2.49	4326.49	326.75	7.53	334.28	464.33	0.72
0.91	134	0.03	70.53	46.35	6210.79	0.03	1.91	4328.40	183.80	5.61	189.41	259.24	0.73
0.88	135	0.03	71.05	46.35	6257.14	0.03	1.27	4329.68	158.78	4.34	163.11	222.29	0.73
1.05	136	0.02	71.58	46.35	6303.49	0.02	1.13	4330.80	146.51	3.21	149.73	203.61	0.74
0.56	137	0.02	72.11	46.35	6349.84	0.02	0.97	4331.77	118.35	2.24	120.59	163.28	0.74
0.53	138	0.02	72.63	46.35	6396.19	0.02	0.81	4332.58	103.23	1.43	104.66	141.38	0.74
0.71	139	0.01	73.16	46.35	6442.54	0.01	0.68	4333.25	83.85	0.76	84.61	114.01	0.74
0.84	140	0.01	73.68	46.35	6488.89	0.01	0.46	4333.72	45.07	0.30	45.37	60.85	0.75
0.58	141	0.00	74.21	46.35	6535.24	0.00	0.21	4333.93	14.53	0.08	14.62	19.48	0.75
0.83	142	0.00	74.74	46.35	6581.59	0.00	0.08	4334.01	9.04	0.00	9.04	12.03	0.75

Escenario ESA-1

Caudal medio mensual m <sup>3</sup> /s	Caudal medio mensual ordenado de mayor a menor m <sup>3</sup> /s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (Mwh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
1.27	2.53	1	1.69	0.14	12.66	12.66	1.66			21.05	2632.80	2653.85	14563.50	0.18
1.01	2.52	2	1.69	0.29	12.66	25.32	1.66	21.00	21.00	41.93	2611.80	2653.73	14507.00	0.18
1.26	2.43	3	1.59	0.43	12.66	37.98	1.56	20.38	41.39	59.42	2591.41	2650.83	13705.20	0.19
1.13	2.28	4	1.45	0.58	12.66	50.64	1.42	18.90	60.28	71.94	2572.52	2644.46	12446.03	0.21
1.64	2.17	5	1.34	0.72	12.66	63.29	1.31	17.31	77.59	83.15	2555.21	2638.36	11508.46	0.23
1.23	2.15	6	1.32	0.87	12.66	75.95	1.30	16.52	94.11	98.48	2538.69	2637.17	11357.89	0.23
1.39	2.06	7	1.23	1.01	12.66	88.61	1.20	15.82	109.94	106.62	2522.87	2629.48	10539.96	0.25
1.08	2.01	8	1.18	1.15	12.66	101.27	1.16	14.96	124.89	117.47	2507.91	2625.38	10161.43	0.26
1.91	1.98	9	1.15	1.30	12.66	113.93	1.13	14.46	139.36	128.21	2493.44	2621.65	9857.75	0.27
1.17	1.97	10	1.13	1.44	12.66	126.59	1.11	14.16	153.52	140.82	2479.28	2620.10	9744.79	0.27
1.36	1.96	11	1.13	1.59	12.66	139.25	1.11	14.04	167.56	153.96	2465.24	2619.20	9685.71	0.27
2.06	1.95	12	1.11	1.73	12.66	151.91	1.09	13.91	181.48	165.96	2451.33	2617.28	9570.17	0.27
1.23	1.93	13	1.10	1.88	12.66	164.57	1.08	13.73	195.21	177.24	2437.59	2614.84	9434.89	0.28
1.20	1.92	14	1.08	2.02	12.66	177.23	1.06	13.55	208.76	188.47	2424.05	2612.52	9315.95	0.28
1.29	1.91	15	1.08	2.16	12.66	189.88	1.06	13.44	222.20	201.37	2410.60	2611.97	9289.80	0.28
0.98	1.91	16	1.07	2.31	12.66	202.54	1.05	13.38	235.58	213.27	2397.23	2610.49	9223.79	0.28
1.13	1.89	17	1.06	2.45	12.66	215.20	1.04	13.22	248.79	222.74	2384.01	2606.75	9066.87	0.29
1.89	1.87	18	1.04	2.60	12.66	227.86	1.02	12.98	261.77	231.54	2371.03	2602.57	8901.39	0.29
1.09	1.87	19	1.04	2.74	12.66	240.52	1.02	12.86	274.64	244.31	2358.17	2602.48	8898.00	0.29
1.13	1.83	20	1.00	2.89	12.66	253.18	0.98	12.63	287.27	248.05	2345.54	2593.58	8582.40	0.30
0.98	1.82	21	0.99	3.03	12.66	265.84	0.97	12.33	299.59	257.36	2333.21	2590.57	8480.64	0.31
0.93	1.81	22	0.98	3.17	12.66	278.50	0.96	12.19	311.79	266.78	2321.02	2587.79	8391.35	0.31
1.55	1.80	23	0.96	3.32	12.66	291.16	0.95	12.05	323.83	275.17	2308.97	2584.14	8279.00	0.31
0.95	1.78	24	0.95	3.46	12.66	303.82	0.93	11.88	335.72	283.34	2297.09	2580.43	8169.73	0.32
1.22	1.78	25	0.95	3.61	12.66	316.47	0.93	11.79	347.51	294.46	2285.29	2579.75	8150.57	0.32
0.93	1.75	26	0.91	3.75	12.66	329.13	0.90	11.56	359.07	295.01	2273.73	2568.75	7851.93	0.33
0.95	1.73	27	0.90	3.90	12.66	341.79	0.88	11.27	370.34	302.14	2262.46	2564.61	7743.79	0.33
0.98	1.73	28	0.90	4.04	12.66	354.45	0.88	11.18	381.52	313.00	2251.28	2564.28	7735.60	0.33
1.50	1.72	29	0.89	4.18	12.66	367.11	0.87	11.12	392.64	320.51	2240.16	2560.68	7648.10	0.33
1.26	1.72	30	0.89	4.33	12.66	379.77	0.87	11.05	403.69	331.35	2229.12	2560.46	7643.13	0.34
1.33	1.72	31	0.89	4.47	12.66	392.43	0.87	11.04	414.72	341.91	2218.08	2559.99	7632.34	0.34
0.97	1.71	32	0.88	4.62	12.66	405.09	0.86	10.97	425.70	349.25	2207.11	2556.35	7552.45	0.34
0.83	1.70	33	0.87	4.76	12.66	417.75	0.86	10.87	436.57	357.22	2196.24	2553.46	7490.85	0.34
0.90	1.70	34	0.87	4.91	12.66	430.40	0.85	10.80	447.36	366.24	2185.44	2551.68	7454.14	0.34
1.19	1.68	35	0.85	5.05	12.66	443.06	0.83	10.63	458.00	367.30	2174.81	2542.10	7261.99	0.35



1.21	1.67	36	0.84	5.19	12.66	455.72	0.82	10.46	468.46	375.62	2164.34	2539.96	7220.26	0.35
0.87	1.67	37	0.84	5.34	12.66	468.38	0.82	10.43	478.89	385.77	2153.91	2539.68	7214.85	0.35
1.20	1.67	38	0.84	5.48	12.66	481.04	0.82	10.40	489.29	394.40	2143.51	2537.91	7182.27	0.35
1.16	1.66	39	0.83	5.63	12.66	493.70	0.82	10.35	499.64	402.47	2133.16	2535.63	7141.30	0.36
1.01	1.65	40	0.82	5.77	12.66	506.36	0.80	10.24	509.89	406.77	2122.91	2529.68	7037.11	0.36
1.63	1.65	41	0.82	5.92	12.66	519.02	0.80	10.16	520.05	416.22	2112.75	2528.97	7024.98	0.36
2.52	1.64	42	0.81	6.06	12.66	531.68	0.79	10.10	530.15	421.99	2102.65	2524.65	6952.81	0.36
1.38	1.64	43	0.81	6.20	12.66	544.34	0.79	10.03	540.18	430.92	2092.62	2523.54	6934.76	0.36
0.79	1.64	44	0.81	6.35	12.66	556.99	0.79	10.01	550.20	440.28	2082.61	2522.89	6924.44	0.36
0.97	1.63	45	0.80	6.49	12.66	569.65	0.79	9.99	560.19	448.76	2072.62	2521.38	6900.99	0.37
1.56	1.63	46	0.80	6.64	12.66	582.31	0.79	9.97	570.16	458.54	2062.65	2521.19	6898.07	0.37
1.32	1.63	47	0.80	6.78	12.66	594.97	0.79	9.97	580.12	468.30	2052.68	2520.98	6894.94	0.37
0.92	1.63	48	0.80	6.93	12.66	607.63	0.78	9.93	590.05	474.69	2042.75	2517.44	6843.41	0.37
0.91	1.63	49	0.79	7.07	12.66	620.29	0.78	9.88	599.93	483.76	2032.87	2516.63	6831.81	0.37
0.98	1.62	50	0.79	7.22	12.66	632.95	0.78	9.84	609.77	490.73	2023.03	2513.76	6791.76	0.37
0.99	1.62	51	0.78	7.36	12.66	645.61	0.77	9.78	619.55	496.94	2013.25	2510.19	6742.80	0.37
1.27	1.62	52	0.78	7.50	12.66	658.27	0.77	9.74	629.29	506.57	2003.51	2510.08	6741.31	0.37
1.80	1.61	53	0.78	7.65	12.66	670.92	0.76	9.71	639.00	512.90	1993.80	2506.70	6696.77	0.37
1.91	1.61	54	0.77	7.79	12.66	683.58	0.76	9.65	648.65	519.24	1984.15	2503.39	6654.01	0.38
1.51	1.60	55	0.77	7.94	12.66	696.24	0.75	9.58	658.23	524.56	1974.57	2499.13	6599.91	0.38
1.12	1.59	56	0.76	8.08	12.66	708.90	0.74	9.47	667.69	526.16	1965.11	2491.27	6501.84	0.38
1.34	1.59	57	0.75	8.23	12.66	721.56	0.74	9.38	677.07	533.51	1955.73	2489.24	6476.96	0.38
1.73	1.58	58	0.75	8.37	12.66	734.22	0.74	9.36	686.43	542.42	1946.37	2488.79	6471.58	0.38
1.27	1.58	59	0.75	8.51	12.66	746.88	0.74	9.34	695.76	549.87	1937.04	2486.91	6449.38	0.39
0.93	1.58	60	0.75	8.66	12.66	759.54	0.73	9.29	705.05	555.47	1927.75	2483.22	6406.48	0.39
1.47	1.57	61	0.74	8.80	12.66	772.20	0.72	9.20	714.26	558.14	1918.55	2476.69	6331.71	0.39
1.63	1.57	62	0.73	8.95	12.66	784.86	0.72	9.14	723.39	565.83	1909.41	2475.24	6315.43	0.39
1.39	1.57	63	0.73	9.09	12.66	797.51	0.72	9.12	732.51	573.70	1900.29	2473.99	6301.56	0.39
1.41	1.56	64	0.73	9.24	12.66	810.17	0.72	9.10	741.61	582.47	1891.19	2473.66	6297.93	0.39
1.96	1.56	65	0.73	9.38	12.66	822.83	0.72	9.09	750.71	590.32	1882.10	2472.41	6284.62	0.39
2.17	1.56	66	0.73	9.52	12.66	835.49	0.72	9.08	759.79	599.11	1873.02	2472.12	6281.53	0.39
0.88	1.56	67	0.73	9.67	12.66	848.15	0.71	9.05	768.83	604.29	1863.97	2468.26	6241.34	0.40
0.95	1.56	68	0.73	9.81	12.66	860.81	0.71	9.02	777.85	612.81	1854.95	2467.77	6236.28	0.40
1.50	1.55	69	0.72	9.96	12.66	873.47	0.71	8.99	786.84	619.17	1845.96	2465.13	6209.69	0.40
1.11	1.55	70	0.72	10.10	12.66	886.13	0.71	8.97	795.81	627.46	1836.99	2464.45	6202.91	0.40
1.67	1.55	71	0.72	10.25	12.66	898.79	0.70	8.93	804.74	631.10	1828.07	2459.16	6150.97	0.40
1.24	1.53	72	0.70	10.39	12.66	911.45	0.69	8.80	813.54	627.89	1819.26	2447.15	6034.68	0.41
1.34	1.53	73	0.70	10.53	12.66	924.10	0.68	8.68	822.23	631.16	1810.58	2441.74	5983.09	0.41
1.28	1.52	74	0.68	10.68	12.66	936.76	0.67	8.57	830.79	628.12	1802.01	2430.13	5873.75	0.41
1.08	1.51	75	0.68	10.82	12.66	949.42	0.67	8.49	839.28	636.29	1793.52	2429.81	5870.82	0.41
1.30	1.51	76	0.68	10.97	12.66	962.08	0.67	8.48	847.76	644.25	1785.04	2429.29	5866.06	0.41
1.71	1.51	77	0.68	11.11	12.66	974.74	0.67	8.47	856.23	651.61	1776.57	2428.19	5856.05	0.41

1.81	1.51	78	0.68	11.26	12.66	987.40	0.67	8.45	864.68	658.27	1768.12	2426.40	5840.07	0.42
1.26	1.51	79	0.68	11.40	12.66	1000.06	0.66	8.43	873.10	664.52	1759.70	2424.21	5820.82	0.42
0.95	1.50	80	0.67	11.54	12.66	1012.72	0.66	8.36	881.46	664.27	1751.34	2415.61	5745.92	0.42
1.39	1.50	81	0.67	11.69	12.66	1025.38	0.65	8.30	889.76	671.56	1743.04	2414.60	5737.29	0.42
1.21	1.50	82	0.67	11.83	12.66	1038.03	0.65	8.29	898.05	679.09	1734.76	2413.84	5730.83	0.42
1.35	1.50	83	0.67	11.98	12.66	1050.69	0.65	8.28	906.33	687.09	1726.48	2413.57	5728.50	0.42
0.96	1.50	84	0.67	12.12	12.66	1063.35	0.65	8.27	914.60	694.36	1718.20	2412.56	5720.17	0.42
1.27	1.50	85	0.66	12.27	12.66	1076.01	0.65	8.26	922.86	701.84	1709.94	2411.78	5713.78	0.42
1.03	1.50	86	0.66	12.41	12.66	1088.67	0.65	8.25	931.11	708.84	1701.69	2410.54	5703.70	0.42
0.82	1.49	87	0.66	12.55	12.66	1101.33	0.65	8.23	939.34	715.63	1693.46	2409.09	5692.11	0.42
0.81	1.49	88	0.66	12.70	12.66	1113.99	0.64	8.18	947.53	716.41	1685.28	2401.69	5633.60	0.43
2.53	1.49	89	0.65	12.84	12.66	1126.65	0.64	8.14	955.66	723.76	1677.14	2400.90	5627.45	0.43
1.16	1.47	90	0.64	12.99	12.66	1139.31	0.63	8.06	963.72	718.86	1669.08	2387.94	5527.22	0.43
0.73	1.47	91	0.64	13.13	12.66	1151.97	0.63	7.98	971.71	726.13	1661.10	2387.22	5521.76	0.43
1.30	1.47	92	0.64	13.28	12.66	1164.62	0.63	7.96	979.67	730.94	1653.13	2384.08	5497.95	0.43
1.20	1.47	93	0.64	13.42	12.66	1177.28	0.63	7.94	987.61	738.08	1645.19	2383.27	5491.95	0.43
1.25	1.47	94	0.64	13.56	12.66	1189.94	0.62	7.92	995.52	742.08	1637.28	2379.35	5462.95	0.44
1.21	1.46	95	0.63	13.71	12.66	1202.60	0.62	7.86	1003.39	744.13	1629.41	2373.54	5420.37	0.44
1.51	1.46	96	0.63	13.85	12.66	1215.26	0.61	7.80	1011.19	746.45	1621.61	2368.06	5380.69	0.44
1.47	1.46	97	0.63	14.00	12.66	1227.92	0.61	7.77	1018.96	753.36	1613.84	2367.20	5374.52	0.44
1.04	1.45	98	0.62	14.14	12.66	1240.58	0.61	7.72	1026.68	752.20	1606.12	2358.32	5311.45	0.44
1.49	1.45	99	0.62	14.29	12.66	1253.24	0.61	7.67	1034.35	758.28	1598.45	2356.73	5300.28	0.44
2.01	1.45	100	0.62	14.43	12.66	1265.90	0.60	7.65	1042.00	763.98	1590.80	2354.78	5286.74	0.45
1.46	1.45	101	0.61	14.57	12.66	1278.55	0.60	7.64	1049.64	770.73	1583.17	2353.90	5280.66	0.45
1.62	1.44	102	0.61	14.72	12.66	1291.21	0.60	7.61	1057.25	774.65	1575.55	2350.20	5255.45	0.45
1.31	1.44	103	0.61	14.86	12.66	1303.87	0.59	7.56	1064.81	774.43	1568.00	2342.42	5202.94	0.45
1.59	1.44	104	0.60	15.01	12.66	1316.53	0.59	7.51	1072.32	780.46	1560.48	2340.95	5193.07	0.45
1.49	1.44	105	0.60	15.15	12.66	1329.19	0.59	7.50	1079.82	787.91	1552.98	2340.89	5192.69	0.45
1.27	1.43	106	0.60	15.30	12.66	1341.85	0.59	7.48	1087.30	789.37	1545.51	2334.87	5153.24	0.45
1.95	1.42	107	0.59	15.44	12.66	1354.51	0.58	7.41	1094.70	787.98	1538.10	2326.08	5096.07	0.46
1.27	1.42	108	0.59	15.58	12.66	1367.17	0.58	7.33	1102.04	788.94	1530.76	2319.70	5055.05	0.46
0.98	1.42	109	0.59	15.73	12.66	1379.83	0.58	7.30	1109.34	795.50	1523.46	2318.97	5050.35	0.46
1.22	1.42	110	0.59	15.87	12.66	1392.49	0.57	7.28	1116.62	799.51	1516.18	2315.69	5029.67	0.46
1.19	1.42	111	0.58	16.02	12.66	1405.14	0.57	7.26	1123.88	804.89	1508.92	2313.82	5017.90	0.46
1.38	1.41	112	0.58	16.16	12.66	1417.80	0.57	7.24	1131.13	810.31	1501.68	2311.99	5006.58	0.46
1.57	1.41	113	0.58	16.31	12.66	1430.46	0.57	7.23	1138.35	815.91	1494.45	2310.36	4996.56	0.46
1.35	1.41	114	0.58	16.45	12.66	1443.12	0.57	7.22	1145.57	822.83	1487.23	2310.06	4994.71	0.46
1.12	1.41	115	0.58	16.59	12.66	1455.78	0.57	7.22	1152.79	829.45	1480.02	2309.46	4991.10	0.46
1.31	1.41	116	0.58	16.74	12.66	1468.44	0.57	7.19	1159.98	831.19	1472.83	2304.02	4958.47	0.46
1.33	1.41	117	0.58	16.88	12.66	1481.10	0.57	7.16	1167.14	837.93	1465.66	2303.59	4955.95	0.46
1.38	1.41	118	0.58	17.03	12.66	1493.76	0.57	7.16	1174.30	844.12	1458.50	2302.63	4950.29	0.47
1.40	1.40	119	0.57	17.17	12.66	1506.42	0.56	7.11	1181.40	840.07	1451.40	2291.46	4885.09	0.47

1.13	1.40	120	0.57	17.32	12.66	1519.08	0.56	7.06	1188.46	847.02	1444.34	2291.36	4884.46	0.47
1.10	1.40	121	0.57	17.46	12.66	1531.73	0.56	7.06	1195.52	853.63	1437.28	2290.91	4881.90	0.47
1.22	1.40	122	0.57	17.60	12.66	1544.39	0.56	7.05	1202.57	859.22	1430.23	2289.45	4873.60	0.47
1.07	1.39	123	0.56	17.75	12.66	1557.05	0.55	7.01	1209.58	858.23	1423.22	2281.46	4828.43	0.47
0.95	1.39	124	0.56	17.89	12.66	1569.71	0.55	6.98	1216.56	865.07	1416.25	2281.32	4827.67	0.47
0.89	1.39	125	0.56	18.04	12.66	1582.37	0.55	6.97	1223.52	870.22	1409.28	2279.50	4817.54	0.47
0.94	1.39	126	0.56	18.18	12.66	1595.03	0.55	6.96	1230.48	876.58	1402.32	2278.90	4814.22	0.47
1.04	1.39	127	0.56	18.33	12.66	1607.69	0.55	6.95	1237.44	882.41	1395.37	2277.78	4808.10	0.47
0.82	1.39	128	0.56	18.47	12.66	1620.35	0.55	6.94	1244.38	887.04	1388.43	2275.47	4795.56	0.47
0.84	1.39	129	0.56	18.61	12.66	1633.01	0.55	6.92	1251.30	891.84	1381.51	2273.34	4784.13	0.48
0.86	1.39	130	0.56	18.76	12.66	1645.66	0.54	6.91	1258.20	896.68	1374.60	2271.28	4773.08	0.48
0.76	1.38	131	0.55	18.90	12.66	1658.32	0.54	6.87	1265.07	896.65	1367.73	2264.38	4736.51	0.48
0.75	1.38	132	0.55	19.05	12.66	1670.98	0.54	6.81	1271.89	895.27	1360.92	2256.19	4693.40	0.48
0.73	1.38	133	0.55	19.19	12.66	1683.64	0.54	6.78	1278.67	901.16	1354.14	2255.29	4688.73	0.48
0.83	1.38	134	0.54	19.34	12.66	1696.30	0.53	6.77	1285.43	905.11	1347.37	2252.48	4674.13	0.48
0.85	1.37	135	0.54	19.48	12.66	1708.96	0.53	6.75	1292.18	909.98	1340.62	2250.61	4664.50	0.48
0.84	1.37	136	0.54	19.62	12.66	1721.62	0.53	6.73	1298.91	913.00	1333.90	2246.89	4645.53	0.48
1.43	1.37	137	0.54	19.77	12.66	1734.28	0.53	6.71	1305.61	917.87	1327.19	2245.06	4636.24	0.48
1.30	1.36	138	0.53	19.91	12.66	1746.94	0.52	6.65	1312.27	912.05	1320.54	2232.59	4573.48	0.49
1.11	1.36	139	0.53	20.06	12.66	1759.60	0.52	6.58	1318.85	910.50	1313.96	2224.46	4532.86	0.49
1.62	1.36	140	0.53	20.20	12.66	1772.25	0.52	6.55	1325.39	916.07	1307.41	2223.47	4527.98	0.49
1.98	1.36	141	0.52	20.35	12.66	1784.91	0.51	6.53	1331.92	918.46	1300.88	2219.34	4507.63	0.49
1.97	1.36	142	0.52	20.49	12.66	1797.57	0.51	6.51	1338.43	923.20	1294.37	2217.57	4498.98	0.49
1.70	1.35	143	0.52	20.63	12.66	1810.23	0.51	6.49	1344.92	927.81	1287.88	2215.69	4489.81	0.49
1.72	1.35	144	0.52	20.78	12.66	1822.89	0.51	6.47	1351.39	928.49	1281.41	2209.90	4461.92	0.50
1.49	1.35	145	0.52	20.92	12.66	1835.55	0.51	6.44	1357.83	931.76	1274.97	2206.74	4446.76	0.50
1.70	1.35	146	0.51	21.07	12.66	1848.21	0.51	6.41	1364.24	933.44	1268.56	2202.00	4424.25	0.50
1.35	1.35	147	0.51	21.21	12.66	1860.87	0.51	6.39	1370.63	939.78	1262.17	2201.95	4424.00	0.50
1.25	1.35	148	0.51	21.36	12.66	1873.53	0.50	6.39	1377.02	945.09	1255.78	2200.87	4418.94	0.50
1.34	1.34	149	0.51	21.50	12.66	1886.18	0.50	6.37	1383.39	947.06	1249.41	2196.47	4398.45	0.50
1.50	1.34	150	0.51	21.65	12.66	1898.84	0.50	6.35	1389.74	950.31	1243.06	2193.38	4384.11	0.50
1.42	1.34	151	0.51	21.79	12.66	1911.50	0.50	6.32	1396.05	950.89	1236.75	2187.64	4357.73	0.50
1.45	1.34	152	0.51	21.93	12.66	1924.16	0.50	6.29	1402.35	955.17	1230.46	2185.63	4348.55	0.50
1.31	1.34	153	0.50	22.08	12.66	1936.82	0.49	6.27	1408.62	957.50	1224.19	2181.68	4330.65	0.50
1.17	1.34	154	0.50	22.22	12.66	1949.48	0.49	6.26	1414.87	963.61	1217.93	2181.54	4329.99	0.50
0.94	1.34	155	0.50	22.37	12.66	1962.14	0.49	6.26	1421.13	969.66	1211.67	2181.33	4329.07	0.50
1.19	1.34	156	0.50	22.51	12.66	1974.80	0.49	6.26	1427.39	975.81	1205.42	2181.22	4328.58	0.50
1.24	1.33	157	0.50	22.66	12.66	1987.46	0.49	6.24	1433.62	975.89	1199.18	2175.07	4301.38	0.51
1.19	1.33	158	0.50	22.80	12.66	2000.12	0.49	6.21	1439.83	980.40	1192.97	2173.37	4293.89	0.51
1.17	1.33	159	0.50	22.94	12.66	2012.77	0.49	6.20	1446.03	984.60	1186.77	2171.37	4285.17	0.51
1.04	1.33	160	0.50	23.09	12.66	2025.43	0.49	6.18	1452.21	985.82	1180.59	2166.41	4263.65	0.51
1.45	1.33	161	0.50	23.23	12.66	2038.09	0.49	6.15	1458.36	989.72	1174.44	2164.16	4253.97	0.51

1.82	1.33	162	0.49	23.38	12.66	2050.75	0.49	6.14	1464.51	994.70	1168.30	2163.00	4248.97	0.51
2.28	1.32	163	0.49	23.52	12.66	2063.41	0.48	6.12	1470.63	994.89	1162.17	2157.07	4223.71	0.51
1.62	1.32	164	0.49	23.67	12.66	2076.07	0.48	6.08	1476.71	994.61	1156.09	2150.70	4196.76	0.51
1.64	1.32	165	0.49	23.81	12.66	2088.73	0.48	6.05	1482.76	994.36	1150.04	2144.40	4170.28	0.51
1.56	1.31	166	0.48	23.95	12.66	2101.39	0.47	6.01	1488.77	994.56	1144.04	2138.59	4145.98	0.52
1.44	1.31	167	0.48	24.10	12.66	2114.05	0.47	5.98	1494.74	995.22	1138.06	2133.28	4123.89	0.52
1.44	1.31	168	0.48	24.24	12.66	2126.71	0.47	5.95	1500.69	998.04	1132.11	2130.15	4110.96	0.52
1.41	1.31	169	0.48	24.39	12.66	2139.36	0.47	5.93	1506.63	1001.99	1126.18	2128.17	4102.84	0.52
1.47	1.31	170	0.48	24.53	12.66	2152.02	0.47	5.93	1512.55	1007.01	1120.25	2127.26	4099.12	0.52
1.04	1.31	171	0.48	24.68	12.66	2164.68	0.47	5.92	1518.47	1012.33	1114.33	2126.66	4096.69	0.52
1.33	1.30	172	0.47	24.82	12.66	2177.34	0.46	5.89	1524.37	1009.55	1108.43	2117.99	4061.69	0.52
1.87	1.30	173	0.47	24.96	12.66	2190.00	0.46	5.87	1530.24	1015.17	1102.56	2117.73	4060.67	0.52
1.55	1.30	174	0.47	25.11	12.66	2202.66	0.46	5.86	1536.10	1019.42	1096.70	2116.12	4054.25	0.52
1.02	1.30	175	0.47	25.25	12.66	2215.32	0.46	5.84	1541.95	1020.16	1090.86	2111.02	4034.02	0.52
0.90	1.30	176	0.47	25.40	12.66	2227.98	0.46	5.81	1547.76	1019.57	1085.05	2104.62	4008.78	0.53
0.90	1.30	177	0.47	25.54	12.66	2240.64	0.46	5.79	1553.55	1024.24	1079.26	2103.49	4004.36	0.53
0.81	1.30	178	0.47	25.69	12.66	2253.29	0.46	5.78	1559.33	1029.17	1073.47	2102.64	4001.04	0.53
1.00	1.30	179	0.46	25.83	12.66	2265.95	0.45	5.77	1565.10	1030.51	1067.70	2098.21	3983.88	0.53
0.99	1.29	180	0.45	25.97	12.66	2278.61	0.45	5.70	1570.80	1014.56	1062.00	2076.57	3900.43	0.53
1.03	1.28	181	0.45	26.12	12.66	2291.27	0.44	5.63	1576.43	1017.98	1056.37	2074.35	3891.93	0.53
0.85	1.28	182	0.45	26.26	12.66	2303.93	0.44	5.62	1582.05	1023.54	1050.75	2074.29	3891.71	0.53
0.81	1.28	183	0.45	26.41	12.66	2316.59	0.44	5.61	1587.66	1022.92	1045.14	2068.07	3868.10	0.53
0.96	1.28	184	0.45	26.55	12.66	2329.25	0.44	5.58	1593.24	1026.70	1039.56	2066.26	3861.28	0.54
1.03	1.28	185	0.45	26.70	12.66	2341.91	0.44	5.57	1598.82	1030.44	1033.98	2064.42	3854.40	0.54
1.08	1.28	186	0.45	26.84	12.66	2354.57	0.44	5.56	1604.38	1033.69	1028.42	2062.11	3845.77	0.54
0.77	1.28	187	0.45	26.98	12.66	2367.23	0.44	5.55	1609.94	1038.14	1022.87	2061.01	3841.67	0.54
1.06	1.28	188	0.45	27.13	12.66	2379.88	0.44	5.55	1615.48	1041.24	1017.32	2058.56	3832.65	0.54
0.85	1.28	189	0.44	27.27	12.66	2392.54	0.44	5.53	1621.01	1043.35	1011.79	2055.15	3820.11	0.54
1.10	1.28	190	0.44	27.42	12.66	2405.20	0.43	5.51	1626.52	1045.83	1006.28	2052.11	3809.03	0.54
1.51	1.27	191	0.44	27.56	12.66	2417.86	0.43	5.50	1632.03	1050.46	1000.78	2051.24	3805.87	0.54
0.89	1.27	192	0.44	27.71	12.66	2430.52	0.43	5.50	1637.52	1055.27	995.28	2050.54	3803.35	0.54
0.76	1.27	193	0.44	27.85	12.66	2443.18	0.43	5.49	1643.02	1060.03	989.78	2049.82	3800.73	0.54
0.79	1.27	194	0.44	27.99	12.66	2455.84	0.43	5.47	1648.48	1055.09	984.32	2039.41	3763.53	0.54
0.84	1.27	195	0.44	28.14	12.66	2468.50	0.43	5.44	1653.92	1059.88	978.88	2038.77	3761.23	0.54
0.91	1.27	196	0.44	28.28	12.66	2481.16	0.43	5.43	1659.35	1062.04	973.46	2035.49	3749.64	0.54
1.07	1.27	197	0.43	28.43	12.66	2493.82	0.43	5.41	1664.76	1063.53	968.05	2031.58	3735.85	0.54
0.96	1.27	198	0.43	28.57	12.66	2506.47	0.43	5.40	1670.15	1068.67	962.65	2031.32	3734.95	0.54
0.91	1.27	199	0.43	28.72	12.66	2519.13	0.43	5.40	1675.55	1073.46	957.25	2030.72	3732.85	0.54
0.72	1.26	200	0.43	28.86	12.66	2531.79	0.42	5.38	1680.93	1074.16	951.87	2026.03	3716.60	0.55
0.73	1.26	201	0.43	29.00	12.66	2544.45	0.42	5.36	1686.29	1075.10	946.51	2021.61	3701.35	0.55
1.06	1.26	202	0.43	29.15	12.66	2557.11	0.42	5.34	1691.63	1075.90	941.17	2017.07	3685.75	0.55
1.01	1.26	203	0.43	29.29	12.66	2569.77	0.42	5.32	1696.95	1079.11	935.85	2014.97	3678.56	0.55

0.75	1.26	204	0.43	29.44	12.66	2582.43	0.42	5.31	1702.26	1081.59	930.54	2012.14	3668.93	0.55
0.93	1.26	205	0.43	29.58	12.66	2595.09	0.42	5.30	1707.56	1085.65	925.24	2010.90	3664.73	0.55
0.92	1.26	206	0.42	29.73	12.66	2607.75	0.42	5.28	1712.84	1083.56	919.97	2003.52	3639.91	0.55
0.98	1.26	207	0.42	29.87	12.66	2620.40	0.42	5.26	1718.09	1087.98	914.71	2002.69	3637.11	0.55
1.15	1.25	208	0.42	30.01	12.66	2633.06	0.41	5.25	1723.35	1092.05	909.46	2001.51	3633.17	0.55
1.10	1.25	209	0.42	30.16	12.66	2645.72	0.41	5.24	1728.59	1093.37	904.21	1997.59	3620.16	0.55
1.56	1.25	210	0.42	30.30	12.66	2658.38	0.41	5.22	1733.81	1093.86	898.99	1992.85	3604.52	0.55
1.05	1.25	211	0.42	30.45	12.66	2671.04	0.41	5.18	1738.99	1088.50	893.81	1982.32	3569.88	0.56
0.89	1.25	212	0.41	30.59	12.66	2683.70	0.41	5.15	1744.14	1089.85	888.66	1978.52	3557.45	0.56
1.73	1.24	213	0.41	30.74	12.66	2696.36	0.40	5.12	1749.26	1087.46	883.54	1971.00	3532.97	0.56
1.51	1.24	214	0.41	30.88	12.66	2709.02	0.40	5.10	1754.36	1088.43	878.44	1966.87	3519.60	0.56
1.16	1.24	215	0.41	31.02	12.66	2721.68	0.40	5.06	1759.42	1083.00	873.38	1956.38	3485.76	0.56
1.14	1.24	216	0.40	31.17	12.66	2734.34	0.40	5.03	1764.45	1083.27	868.35	1951.62	3470.48	0.56
1.34	1.23	217	0.40	31.31	12.66	2746.99	0.39	5.00	1769.45	1082.02	863.35	1945.37	3450.48	0.56
1.04	1.23	218	0.40	31.46	12.66	2759.65	0.39	4.96	1774.41	1076.57	858.39	1934.96	3417.38	0.57
0.99	1.23	219	0.40	31.60	12.66	2772.31	0.39	4.93	1779.34	1078.14	853.46	1931.60	3406.72	0.57
1.15	1.23	220	0.40	31.75	12.66	2784.97	0.39	4.92	1784.26	1082.14	848.54	1930.68	3403.83	0.57
1.37	1.22	221	0.39	31.89	12.66	2797.63	0.39	4.90	1789.16	1078.71	843.64	1922.35	3377.68	0.57
0.81	1.22	222	0.39	32.03	12.66	2810.29	0.38	4.87	1794.04	1080.33	838.77	1919.10	3367.52	0.57
0.83	1.22	223	0.39	32.18	12.66	2822.95	0.38	4.85	1798.88	1075.90	833.92	1909.82	3338.65	0.57
0.95	1.22	224	0.39	32.32	12.66	2835.61	0.38	4.81	1803.70	1075.97	829.11	1905.07	3323.97	0.57
0.78	1.22	225	0.39	32.47	12.66	2848.27	0.38	4.80	1808.49	1077.27	824.31	1901.58	3313.19	0.57
0.70	1.22	226	0.38	32.61	12.66	2860.92	0.38	4.77	1813.27	1075.49	819.54	1895.03	3293.11	0.58
1.18	1.21	227	0.38	32.76	12.66	2873.58	0.37	4.75	1818.01	1075.48	814.79	1890.27	3278.55	0.58
1.38	1.21	228	0.38	32.90	12.66	2886.24	0.37	4.74	1822.75	1079.04	810.05	1889.10	3275.00	0.58
0.67	1.21	229	0.38	33.04	12.66	2898.90	0.37	4.73	1827.48	1082.51	805.32	1887.83	3271.17	0.58
1.14	1.21	230	0.38	33.19	12.66	2911.56	0.37	4.72	1832.20	1083.23	800.61	1883.83	3259.10	0.58
0.93	1.21	231	0.38	33.33	12.66	2924.22	0.37	4.71	1836.91	1087.78	795.90	1883.67	3258.62	0.58
0.84	1.21	232	0.38	33.48	12.66	2936.88	0.37	4.70	1841.61	1088.94	791.19	1880.13	3248.04	0.58
0.86	1.21	233	0.38	33.62	12.66	2949.54	0.37	4.69	1846.30	1091.27	786.51	1877.78	3241.02	0.58
1.42	1.21	234	0.38	33.77	12.66	2962.20	0.37	4.67	1850.97	1091.51	781.83	1873.35	3227.89	0.58
0.93	1.21	235	0.38	33.91	12.66	2974.86	0.37	4.66	1855.63	1094.80	777.17	1871.97	3223.84	0.58
1.21	1.21	236	0.37	34.05	12.66	2987.51	0.37	4.65	1860.29	1097.54	772.52	1870.06	3218.21	0.58
1.30	1.20	237	0.37	34.20	12.66	3000.17	0.37	4.64	1864.93	1096.50	767.88	1864.38	3201.61	0.58
1.75	1.20	238	0.37	34.34	12.66	3012.83	0.37	4.62	1869.55	1100.18	763.25	1863.44	3198.85	0.58
1.83	1.20	239	0.37	34.49	12.66	3025.49	0.36	4.60	1874.15	1094.77	758.65	1853.42	3169.80	0.58
1.08	1.20	240	0.37	34.63	12.66	3038.15	0.36	4.57	1878.72	1094.86	754.08	1848.94	3156.83	0.59
1.09	1.20	241	0.37	34.78	12.66	3050.81	0.36	4.56	1883.28	1098.14	749.52	1847.66	3153.17	0.59
1.26	1.20	242	0.37	34.92	12.66	3063.47	0.36	4.55	1887.83	1100.52	744.97	1845.49	3146.94	0.59
1.02	1.20	243	0.37	35.06	12.66	3076.13	0.36	4.55	1892.38	1105.00	740.42	1845.42	3146.76	0.59
1.06	1.20	244	0.36	35.21	12.66	3088.79	0.36	4.54	1896.92	1103.90	735.88	1839.78	3130.73	0.59
1.67	1.20	245	0.36	35.35	12.66	3101.45	0.36	4.52	1901.44	1108.22	731.36	1839.58	3130.16	0.59

1.18	1.19	246	0.36	35.50	12.66	3114.10	0.36	4.52	1905.96	1109.07	726.85	1835.91	3119.81	0.59
1.22	1.19	247	0.36	35.64	12.66	3126.76	0.36	4.51	1910.46	1112.91	722.34	1835.25	3117.96	0.59
0.98	1.19	248	0.36	35.79	12.66	3139.42	0.36	4.50	1914.97	1116.38	717.83	1834.22	3115.07	0.59
1.31	1.19	249	0.36	35.93	12.66	3152.08	0.35	4.49	1919.46	1114.78	713.35	1828.13	3098.11	0.59
1.50	1.19	250	0.36	36.08	12.66	3164.74	0.35	4.47	1923.93	1114.96	708.88	1823.84	3086.22	0.59
1.53	1.19	251	0.36	36.22	12.66	3177.40	0.35	4.45	1928.38	1115.48	704.42	1819.90	3075.34	0.59
0.94	1.19	252	0.36	36.36	12.66	3190.06	0.35	4.44	1932.82	1118.77	699.98	1818.76	3072.19	0.59
0.99	1.19	253	0.36	36.51	12.66	3202.72	0.35	4.44	1937.25	1120.95	695.55	1816.50	3065.99	0.59
1.12	1.19	254	0.36	36.65	12.66	3215.38	0.35	4.43	1941.68	1124.28	691.12	1815.40	3063.00	0.59
1.00	1.19	255	0.35	36.80	12.66	3228.03	0.35	4.41	1946.10	1121.89	686.71	1808.59	3044.49	0.59
1.12	1.18	256	0.35	36.94	12.66	3240.69	0.35	4.39	1950.48	1120.45	682.32	1802.76	3028.70	0.60
1.52	1.18	257	0.35	37.09	12.66	3253.35	0.35	4.37	1954.86	1123.52	677.94	1801.46	3025.19	0.60
1.61	1.18	258	0.35	37.23	12.66	3266.01	0.34	4.36	1959.22	1122.09	673.58	1795.67	3009.62	0.60
1.40	1.18	259	0.35	37.37	12.66	3278.67	0.34	4.34	1963.56	1120.56	669.25	1789.80	2993.92	0.60
2.15	1.18	260	0.35	37.52	12.66	3291.33	0.34	4.33	1967.88	1124.24	664.92	1789.17	2992.22	0.60
1.45	1.18	261	0.34	37.66	12.66	3303.99	0.34	4.30	1972.18	1116.98	660.62	1777.60	2961.51	0.60
1.28	1.17	262	0.34	37.81	12.66	3316.65	0.34	4.27	1976.45	1116.42	656.35	1772.77	2948.71	0.60
1.14	1.17	263	0.34	37.95	12.66	3329.31	0.34	4.25	1980.71	1115.76	652.10	1767.86	2935.77	0.60
1.24	1.17	264	0.34	38.10	12.66	3341.97	0.33	4.24	1984.94	1118.31	647.86	1766.16	2931.32	0.60
1.04	1.17	265	0.34	38.24	12.66	3354.62	0.33	4.23	1989.17	1118.87	643.63	1762.50	2921.72	0.60
1.06	1.17	266	0.34	38.38	12.66	3367.28	0.33	4.22	1993.39	1119.95	639.41	1759.36	2913.56	0.60
1.21	1.17	267	0.34	38.53	12.66	3379.94	0.33	4.20	1997.59	1120.14	635.21	1755.35	2903.14	0.60
1.39	1.17	268	0.34	38.67	12.66	3392.60	0.33	4.19	2001.78	1122.10	631.02	1753.12	2897.37	0.61
1.64	1.17	269	0.34	38.82	12.66	3405.26	0.33	4.18	2005.97	1124.44	626.83	1751.28	2892.62	0.61
2.43	1.17	270	0.34	38.96	12.66	3417.92	0.33	4.18	2010.14	1127.15	622.66	1749.81	2888.85	0.61
1.50	1.17	271	0.34	39.11	12.66	3430.58	0.33	4.17	2014.31	1127.54	618.49	1746.03	2879.18	0.61
1.19	1.17	272	0.33	39.25	12.66	3443.24	0.33	4.15	2018.46	1126.52	614.34	1740.86	2866.00	0.61
1.04	1.16	273	0.33	39.39	12.66	3455.90	0.33	4.13	2022.60	1125.19	610.21	1735.40	2852.13	0.61
1.17	1.16	274	0.33	39.54	12.66	3468.55	0.33	4.12	2026.71	1127.46	606.09	1733.55	2847.45	0.61
1.14	1.16	275	0.33	39.68	12.66	3481.21	0.32	4.10	2030.82	1124.34	601.99	1726.32	2829.24	0.61
1.00	1.16	276	0.33	39.83	12.66	3493.87	0.32	4.08	2034.89	1123.60	597.91	1721.51	2817.14	0.61
0.98	1.16	277	0.33	39.97	12.66	3506.53	0.32	4.06	2038.96	1122.78	593.85	1716.63	2804.93	0.61
1.53	1.16	278	0.33	40.12	12.66	3519.19	0.32	4.05	2043.01	1126.62	589.79	1716.41	2804.39	0.61
1.72	1.16	279	0.33	40.26	12.66	3531.85	0.32	4.05	2047.06	1128.52	585.74	1714.26	2799.04	0.61
1.42	1.15	280	0.32	40.40	12.66	3544.51	0.32	4.03	2051.09	1123.21	581.72	1704.92	2775.93	0.61
1.63	1.15	281	0.32	40.55	12.66	3557.17	0.32	4.01	2055.10	1126.10	577.71	1703.80	2773.16	0.61
1.68	1.15	282	0.32	40.69	12.66	3569.83	0.31	3.98	2059.08	1115.93	573.72	1689.65	2738.38	0.62
1.41	1.15	283	0.32	40.84	12.66	3582.49	0.31	3.95	2063.03	1117.02	569.77	1686.79	2731.37	0.62
1.33	1.15	284	0.32	40.98	12.66	3595.14	0.31	3.95	2066.98	1120.88	565.82	1686.70	2731.15	0.62
1.56	1.15	285	0.32	41.13	12.66	3607.80	0.31	3.93	2070.91	1117.03	561.89	1678.92	2712.22	0.62
1.72	1.15	286	0.31	41.27	12.66	3620.46	0.31	3.91	2074.82	1117.83	557.98	1675.81	2704.68	0.62
1.41	1.15	287	0.31	41.41	12.66	3633.12	0.31	3.91	2078.73	1120.22	554.07	1674.29	2701.01	0.62

1.25	1.15	288	0.31	41.56	12.66	3645.78	0.31	3.90	2082.63	1121.85	550.17	1672.02	2695.55	0.62
1.67	1.14	289	0.31	41.70	12.66	3658.44	0.31	3.89	2086.52	1123.00	546.28	1669.29	2688.99	0.62
1.46	1.14	290	0.31	41.85	12.66	3671.10	0.31	3.89	2090.41	1126.46	542.40	1668.85	2687.96	0.62
0.88	1.14	291	0.31	41.99	12.66	3683.76	0.31	3.88	2094.29	1128.23	538.52	1666.74	2682.93	0.62
0.96	1.14	292	0.31	42.14	12.66	3696.42	0.30	3.86	2098.15	1123.83	534.65	1658.48	2663.32	0.62
1.47	1.14	293	0.31	42.28	12.66	3709.08	0.30	3.85	2101.99	1125.54	530.81	1656.34	2658.26	0.62
1.13	1.14	294	0.31	42.42	12.66	3721.73	0.30	3.84	2105.83	1126.21	526.97	1653.19	2650.81	0.62
0.89	1.14	295	0.31	42.57	12.66	3734.39	0.30	3.82	2109.65	1121.18	523.16	1644.33	2630.01	0.63
0.84	1.14	296	0.30	42.71	12.66	3747.05	0.30	3.79	2113.43	1117.82	519.37	1637.19	2613.28	0.63
0.74	1.14	297	0.30	42.86	12.66	3759.71	0.30	3.77	2117.21	1120.35	515.59	1635.95	2610.39	0.63
0.74	1.13	298	0.30	43.00	12.66	3772.37	0.30	3.77	2120.97	1120.21	511.83	1632.04	2601.30	0.63
0.90	1.13	299	0.30	43.15	12.66	3785.03	0.29	3.74	2124.72	1114.20	508.09	1622.29	2578.69	0.63
1.16	1.13	300	0.30	43.29	12.66	3797.69	0.29	3.72	2128.44	1116.31	504.36	1620.67	2574.96	0.63
0.84	1.13	301	0.30	43.43	12.66	3810.35	0.29	3.72	2132.16	1119.28	500.64	1619.92	2573.22	0.63
0.90	1.13	302	0.30	43.58	12.66	3823.01	0.29	3.70	2135.86	1111.16	496.94	1608.10	2546.09	0.63
0.88	1.13	303	0.29	43.72	12.66	3835.66	0.29	3.67	2139.53	1106.90	493.28	1600.17	2527.96	0.63
0.84	1.13	304	0.29	43.87	12.66	3848.32	0.29	3.65	2143.18	1108.71	489.63	1598.34	2523.78	0.63
1.18	1.12	305	0.29	44.01	12.66	3860.98	0.29	3.64	2146.82	1107.91	485.99	1593.89	2513.68	0.63
1.34	1.12	306	0.29	44.16	12.66	3873.64	0.29	3.63	2150.45	1110.35	482.36	1592.71	2510.99	0.63
0.77	1.12	307	0.29	44.30	12.66	3886.30	0.29	3.63	2154.07	1113.57	478.73	1592.30	2510.06	0.63
0.67	1.12	308	0.29	44.44	12.66	3898.96	0.29	3.62	2157.70	1114.24	475.11	1589.35	2503.43	0.63
0.78	1.12	309	0.29	44.59	12.66	3911.62	0.29	3.62	2161.31	1116.60	471.49	1588.09	2500.60	0.64
0.69	1.12	310	0.29	44.73	12.66	3924.28	0.28	3.61	2164.92	1116.98	467.88	1584.86	2493.38	0.64
0.50	1.12	311	0.29	44.88	12.66	3936.94	0.28	3.60	2168.52	1120.08	464.28	1584.36	2492.26	0.64
0.57	1.12	312	0.29	45.02	12.66	3949.60	0.28	3.60	2172.12	1121.19	460.68	1581.87	2486.74	0.64
0.99	1.12	313	0.29	45.17	12.66	3962.25	0.28	3.59	2175.71	1120.78	457.09	1577.88	2477.89	0.64
1.19	1.12	314	0.29	45.31	12.66	3974.91	0.28	3.56	2179.27	1112.83	453.53	1566.36	2452.48	0.64
1.12	1.12	315	0.28	45.45	12.66	3987.57	0.28	3.54	2182.81	1114.73	449.99	1564.72	2448.86	0.64
1.02	1.11	316	0.28	45.60	12.66	4000.23	0.28	3.53	2186.34	1110.83	446.46	1557.30	2432.59	0.64
1.42	1.11	317	0.28	45.74	12.66	4012.89	0.28	3.51	2189.85	1109.86	442.96	1552.82	2422.79	0.64
1.44	1.11	318	0.28	45.89	12.66	4025.55	0.28	3.50	2193.34	1110.14	439.46	1549.60	2415.79	0.64
0.95	1.11	319	0.28	46.03	12.66	4038.21	0.28	3.49	2196.83	1111.23	435.97	1547.20	2410.56	0.64
0.90	1.11	320	0.28	46.18	12.66	4050.87	0.27	3.48	2200.31	1113.50	432.49	1545.99	2407.94	0.64
1.03	1.11	321	0.28	46.32	12.66	4063.53	0.27	3.45	2203.77	1101.05	429.04	1530.08	2373.59	0.64
1.23	1.11	322	0.28	46.46	12.66	4076.18	0.27	3.43	2207.19	1101.51	425.61	1527.12	2367.22	0.65
1.19	1.11	323	0.27	46.61	12.66	4088.84	0.27	3.41	2210.60	1099.64	422.20	1521.84	2355.89	0.65
1.65	1.10	324	0.27	46.75	12.66	4101.50	0.27	3.40	2214.00	1099.19	418.80	1517.99	2347.65	0.65
1.40	1.10	325	0.27	46.90	12.66	4114.16	0.27	3.39	2217.39	1101.03	415.41	1516.44	2344.34	0.65
1.20	1.10	326	0.27	47.04	12.66	4126.82	0.27	3.39	2220.78	1103.38	412.02	1515.40	2342.15	0.65
0.71	1.10	327	0.27	47.19	12.66	4139.48	0.26	3.37	2224.14	1094.25	408.66	1502.90	2315.65	0.65
0.91	1.10	328	0.27	47.33	12.66	4152.14	0.26	3.34	2227.49	1096.15	405.31	1501.47	2312.62	0.65
1.28	1.10	329	0.27	47.47	12.66	4164.80	0.26	3.34	2230.83	1095.55	401.98	1497.53	2304.32	0.65

0.91	1.10	330	0.27	47.62	12.66	4177.46	0.26	3.33	2234.15	1098.34	398.65	1496.99	2303.19	0.65
1.05	1.10	331	0.27	47.76	12.66	4190.12	0.26	3.32	2237.48	1097.09	395.33	1492.41	2293.61	0.65
1.20	1.10	332	0.27	47.91	12.66	4202.77	0.26	3.31	2240.79	1098.58	392.01	1490.59	2289.80	0.65
1.40	1.10	333	0.27	48.05	12.66	4215.43	0.26	3.31	2244.09	1100.09	388.71	1488.80	2286.08	0.65
1.24	1.10	334	0.27	48.20	12.66	4228.09	0.26	3.30	2247.39	1099.55	385.41	1484.96	2278.11	0.65
1.28	1.10	335	0.26	48.34	12.66	4240.75	0.26	3.29	2250.68	1102.03	382.12	1484.15	2276.44	0.65
1.58	1.09	336	0.26	48.48	12.66	4253.41	0.26	3.27	2253.95	1093.84	378.85	1472.69	2252.79	0.65
1.31	1.09	337	0.26	48.63	12.66	4266.07	0.26	3.25	2257.20	1090.16	375.60	1465.76	2238.55	0.65
1.14	1.09	338	0.26	48.77	12.66	4278.73	0.25	3.23	2260.43	1090.41	372.37	1462.79	2232.44	0.66
1.16	1.09	339	0.26	48.92	12.66	4291.39	0.25	3.21	2263.64	1083.90	369.16	1453.06	2212.57	0.66
1.10	1.09	340	0.26	49.06	12.66	4304.05	0.25	3.19	2266.84	1085.32	365.97	1451.29	2208.95	0.66
1.28	1.09	341	0.26	49.21	12.66	4316.71	0.25	3.18	2270.02	1082.14	362.78	1444.92	2196.02	0.66
1.78	1.09	342	0.26	49.35	12.66	4329.36	0.25	3.17	2273.19	1083.92	359.61	1443.53	2193.19	0.66
1.63	1.09	343	0.25	49.49	12.66	4342.02	0.25	3.16	2276.35	1083.31	356.45	1439.75	2185.56	0.66
0.86	1.09	344	0.25	49.64	12.66	4354.68	0.25	3.16	2279.51	1084.97	353.29	1438.26	2182.56	0.66
0.71	1.08	345	0.25	49.78	12.66	4367.34	0.24	3.13	2282.64	1069.86	350.16	1420.03	2145.93	0.66
1.15	1.08	346	0.25	49.93	12.66	4380.00	0.24	3.10	2285.74	1070.01	347.07	1417.08	2140.03	0.66
0.98	1.08	347	0.25	50.07	12.66	4392.66	0.24	3.09	2288.83	1072.45	343.98	1416.42	2138.72	0.66
0.90	1.08	348	0.25	50.22	12.66	4405.32	0.24	3.08	2291.91	1069.98	340.89	1410.88	2127.67	0.66
0.74	1.08	349	0.25	50.36	12.66	4417.98	0.24	3.06	2294.97	1064.72	337.83	1402.55	2111.13	0.66
1.36	1.08	350	0.24	50.51	12.66	4430.64	0.24	3.05	2298.02	1064.32	334.78	1399.10	2104.30	0.66
1.25	1.08	351	0.24	50.65	12.66	4443.29	0.24	3.04	2301.06	1066.43	331.74	1398.17	2102.47	0.67
0.82	1.07	352	0.24	50.79	12.66	4455.95	0.24	3.02	2304.08	1058.26	328.72	1386.98	2080.44	0.67
0.94	1.07	353	0.24	50.94	12.66	4468.61	0.24	3.00	2307.08	1058.53	325.72	1384.25	2075.08	0.67
1.17	1.07	354	0.24	51.08	12.66	4481.27	0.23	2.96	2310.05	1036.58	322.76	1359.33	2026.31	0.67
0.74	1.07	355	0.24	51.23	12.66	4493.93	0.23	2.92	2312.97	1036.11	319.83	1355.94	2019.69	0.67
0.68	1.07	356	0.23	51.37	12.66	4506.59	0.23	2.91	2315.88	1034.34	316.92	1351.26	2010.56	0.67
1.19	1.07	357	0.23	51.52	12.66	4519.25	0.23	2.90	2318.78	1034.44	314.02	1348.46	2005.13	0.67
0.79	1.06	358	0.23	51.66	12.66	4531.91	0.23	2.87	2321.66	1019.82	311.15	1330.96	1971.26	0.68
0.81	1.06	359	0.23	51.80	12.66	4544.57	0.22	2.85	2324.50	1021.39	308.30	1329.69	1968.81	0.68
0.73	1.06	360	0.23	51.95	12.66	4557.23	0.22	2.84	2327.34	1021.63	305.46	1327.09	1963.81	0.68
0.87	1.06	361	0.22	52.09	12.66	4569.88	0.22	2.81	2330.16	1005.12	302.65	1307.77	1926.72	0.68
1.28	1.06	362	0.22	52.24	12.66	4582.54	0.22	2.78	2332.94	1004.65	299.87	1304.52	1920.50	0.68
0.61	1.06	363	0.22	52.38	12.66	4595.20	0.22	2.77	2335.71	1006.16	297.09	1303.26	1918.09	0.68
0.58	1.05	364	0.22	52.53	12.66	4607.86	0.22	2.77	2338.47	1004.57	294.33	1298.90	1909.79	0.68
0.74	1.05	365	0.22	52.67	12.66	4620.52	0.22	2.76	2341.23	1006.59	291.57	1298.16	1908.39	0.68
1.07	1.05	366	0.22	52.81	12.66	4633.18	0.22	2.75	2343.99	1006.63	288.81	1295.45	1903.25	0.68
0.88	1.05	367	0.22	52.96	12.66	4645.84	0.22	2.74	2346.73	1004.44	286.07	1290.51	1893.93	0.68
1.01	1.05	368	0.22	53.10	12.66	4658.50	0.22	2.73	2349.46	1002.06	283.34	1285.41	1884.32	0.68
0.75	1.05	369	0.22	53.25	12.66	4671.16	0.21	2.71	2352.17	994.78	280.63	1275.41	1865.55	0.68
0.81	1.04	370	0.21	53.39	12.66	4683.82	0.21	2.66	2354.83	967.86	277.98	1245.83	1810.16	0.69
0.91	1.04	371	0.21	53.54	12.66	4696.47	0.21	2.61	2357.44	966.22	275.37	1241.59	1802.23	0.69



1.09	1.04	372	0.21	53.68	12.66	4709.13	0.21	2.60	2360.04	968.73	272.76	1241.49	1802.05	0.69
1.20	1.04	373	0.21	53.82	12.66	4721.79	0.21	2.60	2362.64	971.03	270.16	1241.18	1801.48	0.69
0.88	1.04	374	0.21	53.97	12.66	4734.45	0.21	2.60	2365.25	973.16	267.56	1240.71	1800.60	0.69
0.50	1.04	375	0.21	54.11	12.66	4747.11	0.21	2.60	2367.85	974.00	264.96	1238.96	1797.36	0.69
0.68	1.04	376	0.21	54.26	12.66	4759.77	0.20	2.59	2370.44	970.68	262.37	1233.05	1786.47	0.69
1.01	1.04	377	0.21	54.40	12.66	4772.43	0.20	2.58	2373.01	970.84	259.79	1230.63	1782.03	0.69
1.87	1.04	378	0.21	54.55	12.66	4785.09	0.20	2.57	2375.59	972.50	257.21	1229.71	1780.34	0.69
1.28	1.04	379	0.21	54.69	12.66	4797.75	0.20	2.57	2378.16	972.78	254.64	1227.42	1776.16	0.69
0.88	1.04	380	0.20	54.83	12.66	4810.40	0.20	2.56	2380.71	967.16	252.09	1219.25	1761.25	0.69
1.04	1.04	381	0.20	54.98	12.66	4823.06	0.20	2.54	2383.26	969.30	249.54	1218.85	1760.52	0.69
1.30	1.04	382	0.20	55.12	12.66	4835.72	0.20	2.54	2385.80	971.76	247.00	1218.76	1760.36	0.69
1.34	1.03	383	0.20	55.27	12.66	4848.38	0.20	2.53	2388.34	965.85	244.47	1210.31	1745.08	0.69
1.30	1.03	384	0.20	55.41	12.66	4861.04	0.20	2.51	2390.84	957.36	241.96	1199.32	1725.24	0.70
1.03	1.03	385	0.20	55.56	12.66	4873.70	0.20	2.49	2393.34	959.60	239.47	1199.07	1724.79	0.70
1.11	1.03	386	0.20	55.70	12.66	4886.36	0.20	2.48	2395.82	954.42	236.98	1191.41	1711.04	0.70
1.15	1.03	387	0.20	55.84	12.66	4899.02	0.20	2.47	2398.29	956.57	234.51	1191.08	1710.45	0.70
1.02	1.03	388	0.20	55.99	12.66	4911.68	0.19	2.46	2400.75	952.19	232.05	1184.24	1698.24	0.70
1.93	1.03	389	0.20	56.13	12.66	4924.34	0.19	2.45	2403.21	954.09	229.60	1183.68	1697.24	0.70
1.46	1.03	390	0.20	56.28	12.66	4936.99	0.19	2.45	2405.66	953.07	227.15	1180.21	1691.08	0.70
1.07	1.02	391	0.19	56.42	12.66	4949.65	0.19	2.42	2408.08	936.88	224.73	1161.61	1658.11	0.70
1.10	1.02	392	0.19	56.57	12.66	4962.31	0.19	2.39	2410.47	936.62	222.33	1158.96	1653.43	0.70
1.10	1.02	393	0.19	56.71	12.66	4974.97	0.19	2.39	2412.86	938.83	219.95	1158.77	1653.10	0.70
1.04	1.02	394	0.19	56.85	12.66	4987.63	0.19	2.38	2415.24	936.53	217.56	1154.09	1644.87	0.70
1.41	1.02	395	0.19	57.00	12.66	5000.29	0.19	2.37	2417.61	930.20	215.20	1145.39	1629.61	0.70
1.01	1.02	396	0.19	57.14	12.66	5012.95	0.18	2.35	2419.95	925.68	212.85	1138.53	1617.60	0.70
0.93	1.02	397	0.19	57.29	12.66	5025.61	0.18	2.33	2422.28	920.82	210.52	1131.34	1605.05	0.70
1.12	1.02	398	0.19	57.43	12.66	5038.27	0.18	2.31	2424.59	918.64	208.21	1126.84	1597.22	0.71
0.80	1.02	399	0.18	57.58	12.66	5050.92	0.18	2.30	2426.89	913.45	205.91	1119.36	1584.23	0.71
0.83	1.01	400	0.18	57.72	12.66	5063.58	0.18	2.26	2429.15	891.78	203.65	1095.43	1542.78	0.71
1.22	1.01	401	0.18	57.86	12.66	5076.24	0.18	2.23	2431.38	893.24	201.42	1094.66	1541.44	0.71
0.97	1.01	402	0.18	58.01	12.66	5088.90	0.18	2.23	2433.61	894.95	199.19	1094.14	1540.55	0.71
0.99	1.01	403	0.18	58.15	12.66	5101.56	0.18	2.23	2435.83	896.57	196.97	1093.54	1539.53	0.71
1.09	1.01	404	0.18	58.30	12.66	5114.22	0.17	2.22	2438.05	893.88	194.75	1088.63	1531.10	0.71
1.18	1.01	405	0.18	58.44	12.66	5126.88	0.17	2.21	2440.26	895.92	192.54	1088.46	1530.81	0.71
1.92	1.01	406	0.18	58.59	12.66	5139.54	0.17	2.20	2442.46	887.96	190.34	1078.29	1513.46	0.71
1.02	1.01	407	0.18	58.73	12.66	5152.20	0.17	2.18	2444.65	888.34	188.15	1076.50	1510.40	0.71
0.86	1.01	408	0.17	58.87	12.66	5164.86	0.17	2.18	2446.83	886.31	185.98	1072.29	1503.25	0.71
1.05	1.01	409	0.17	59.02	12.66	5177.51	0.17	2.17	2449.00	886.57	183.81	1070.37	1500.01	0.71
1.13	1.00	410	0.17	59.16	12.66	5190.17	0.17	2.15	2451.15	876.27	181.65	1057.93	1478.98	0.72
0.82	1.00	411	0.17	59.31	12.66	5202.83	0.17	2.13	2453.28	871.21	179.52	1050.73	1466.85	0.72
0.87	1.00	412	0.17	59.45	12.66	5215.49	0.17	2.12	2455.39	870.11	177.41	1047.52	1461.45	0.72
1.23	1.00	413	0.17	59.60	12.66	5228.15	0.16	2.09	2457.49	857.32	175.32	1032.64	1436.48	0.72

1.17	1.00	414	0.17	59.74	12.66	5240.81	0.16	2.07	2459.56	855.74	173.24	1028.98	1430.36	0.72
0.99	1.00	415	0.16	59.88	12.66	5253.47	0.16	2.06	2461.62	850.24	171.19	1021.42	1417.75	0.72
1.66	1.00	416	0.16	60.03	12.66	5266.13	0.16	2.04	2463.66	844.69	169.15	1013.83	1405.10	0.72
1.26	0.99	417	0.16	60.17	12.66	5278.79	0.16	2.03	2465.68	845.03	167.12	1012.15	1402.30	0.72
0.90	0.99	418	0.16	60.32	12.66	5291.45	0.16	2.02	2467.70	841.29	165.10	1006.39	1392.75	0.72
0.81	0.99	419	0.16	60.46	12.66	5304.10	0.16	2.01	2469.71	839.74	163.09	1002.83	1386.88	0.72
1.11	0.99	420	0.16	60.61	12.66	5316.76	0.16	2.00	2471.71	840.34	161.09	1001.43	1384.56	0.72
1.14	0.99	421	0.16	60.75	12.66	5329.42	0.16	1.99	2473.70	829.74	159.10	988.84	1363.85	0.73
1.16	0.99	422	0.16	60.89	12.66	5342.08	0.16	1.97	2475.67	830.03	157.13	987.16	1361.09	0.73
0.81	0.99	423	0.16	61.04	12.66	5354.74	0.15	1.96	2477.63	829.75	155.17	984.92	1357.41	0.73
0.81	0.99	424	0.16	61.18	12.66	5367.40	0.15	1.96	2479.59	828.44	153.21	981.65	1352.07	0.73
0.86	0.99	425	0.16	61.33	12.66	5380.06	0.15	1.95	2481.54	823.13	151.27	974.40	1340.26	0.73
1.12	0.98	426	0.15	61.47	12.66	5392.72	0.15	1.91	2483.45	804.80	149.35	954.16	1307.33	0.73
1.09	0.98	427	0.15	61.62	12.66	5405.38	0.15	1.89	2485.34	804.42	147.47	951.89	1303.66	0.73
0.69	0.98	428	0.15	61.76	12.66	5418.03	0.15	1.88	2487.22	804.10	145.58	949.68	1300.08	0.73
0.72	0.98	429	0.15	61.90	12.66	5430.69	0.15	1.87	2489.09	799.61	143.71	943.32	1289.81	0.73
0.80	0.98	430	0.15	62.05	12.66	5443.35	0.15	1.86	2490.95	795.55	141.86	937.41	1280.29	0.73
0.83	0.98	431	0.15	62.19	12.66	5456.01	0.15	1.85	2492.79	796.02	140.01	936.02	1278.06	0.73
0.92	0.98	432	0.15	62.34	12.66	5468.67	0.15	1.84	2494.64	794.65	138.16	932.82	1272.92	0.73
1.07	0.98	433	0.15	62.48	12.66	5481.33	0.15	1.84	2496.48	796.22	136.33	932.54	1272.48	0.73
0.92	0.98	434	0.15	62.63	12.66	5493.99	0.14	1.84	2498.31	796.33	134.49	930.82	1269.72	0.73
0.75	0.98	435	0.15	62.77	12.66	5506.65	0.14	1.83	2500.15	797.26	132.65	929.92	1268.29	0.73
0.82	0.98	436	0.15	62.91	12.66	5519.31	0.14	1.83	2501.98	796.31	130.83	927.14	1263.88	0.73
1.18	0.98	437	0.15	63.06	12.66	5531.97	0.14	1.82	2503.79	789.85	129.01	918.86	1250.75	0.73
1.31	0.98	438	0.15	63.20	12.66	5544.62	0.14	1.81	2505.60	791.57	127.20	918.77	1250.61	0.73
0.99	0.98	439	0.15	63.35	12.66	5557.28	0.14	1.81	2507.41	792.30	125.39	917.70	1248.91	0.73
1.15	0.97	440	0.14	63.49	12.66	5569.94	0.14	1.79	2509.19	778.85	123.61	902.45	1224.91	0.74
1.35	0.97	441	0.14	63.64	12.66	5582.60	0.14	1.76	2510.95	767.82	121.85	889.67	1204.83	0.74
1.39	0.97	442	0.14	63.78	12.66	5595.26	0.14	1.73	2512.68	755.83	120.13	875.96	1183.34	0.74
1.27	0.97	443	0.14	63.92	12.66	5607.92	0.13	1.70	2514.38	751.01	118.42	869.43	1173.13	0.74
1.32	0.97	444	0.13	64.07	12.66	5620.58	0.13	1.68	2516.06	741.76	116.74	858.50	1156.08	0.74
1.05	0.97	445	0.13	64.21	12.66	5633.24	0.13	1.67	2517.73	741.21	115.07	856.28	1152.63	0.74
0.94	0.97	446	0.13	64.36	12.66	5645.90	0.13	1.66	2519.39	741.47	113.41	854.87	1150.43	0.74
0.83	0.96	447	0.13	64.50	12.66	5658.55	0.13	1.64	2521.04	727.18	111.76	838.94	1125.74	0.75
1.12	0.96	448	0.13	64.65	12.66	5671.21	0.13	1.62	2522.66	725.53	110.14	835.67	1120.68	0.75
1.36	0.96	449	0.13	64.79	12.66	5683.87	0.13	1.61	2524.28	722.18	108.53	830.71	1113.03	0.75
1.61	0.96	450	0.13	64.94	12.66	5696.53	0.12	1.59	2525.87	707.20	106.94	814.13	1087.51	0.75
1.50	0.96	451	0.13	65.08	12.66	5709.19	0.12	1.57	2527.43	705.49	105.37	810.85	1082.48	0.75
1.78	0.96	452	0.13	65.22	12.66	5721.85	0.12	1.56	2528.99	701.76	103.81	805.57	1074.38	0.75
1.39	0.96	453	0.12	65.37	12.66	5734.51	0.12	1.55	2530.54	701.77	102.26	804.03	1072.03	0.75
1.21	0.96	454	0.12	65.51	12.66	5747.17	0.12	1.55	2532.09	702.42	100.71	803.13	1070.65	0.75
1.16	0.96	455	0.12	65.66	12.66	5759.83	0.12	1.54	2533.63	696.31	99.17	795.48	1059.01	0.75

1.10	0.95	456	0.12	65.80	12.66	5772.49	0.12	1.53	2535.16	696.99	97.64	794.63	1057.71	0.75
0.95	0.95	457	0.12	65.95	12.66	5785.14	0.12	1.52	2536.68	695.23	96.12	791.35	1052.74	0.75
0.92	0.95	458	0.12	66.09	12.66	5797.80	0.12	1.52	2538.20	694.88	94.60	789.48	1049.91	0.75
1.22	0.95	459	0.12	66.23	12.66	5810.46	0.12	1.52	2539.72	694.83	93.08	787.91	1047.54	0.75
1.01	0.95	460	0.12	66.38	12.66	5823.12	0.12	1.51	2541.23	696.15	91.57	787.72	1047.25	0.75
1.17	0.95	461	0.12	66.52	12.66	5835.78	0.12	1.50	2542.74	689.18	90.07	779.25	1034.52	0.75
1.57	0.95	462	0.12	66.67	12.66	5848.44	0.12	1.49	2544.23	685.59	88.58	774.16	1026.90	0.75
0.96	0.95	463	0.12	66.81	12.66	5861.10	0.12	1.48	2545.71	685.88	87.09	772.98	1025.12	0.75
0.83	0.95	464	0.12	66.96	12.66	5873.76	0.12	1.47	2547.18	681.40	85.62	767.01	1016.22	0.75
0.73	0.95	465	0.12	67.10	12.66	5886.42	0.12	1.47	2548.65	681.26	84.15	765.41	1013.83	0.75
0.71	0.95	466	0.12	67.24	12.66	5899.08	0.11	1.45	2550.10	668.47	82.70	751.17	992.66	0.76
0.73	0.94	467	0.11	67.39	12.66	5911.73	0.11	1.41	2551.51	644.61	81.29	725.91	955.19	0.76
0.70	0.94	468	0.11	67.53	12.66	5924.39	0.11	1.38	2552.88	641.17	79.92	721.09	948.05	0.76
0.82	0.94	469	0.11	67.68	12.66	5937.05	0.11	1.36	2554.24	634.72	78.56	713.27	936.51	0.76
0.97	0.94	470	0.11	67.82	12.66	5949.71	0.11	1.35	2555.59	633.40	77.21	710.60	932.58	0.76
0.87	0.94	471	0.11	67.97	12.66	5962.37	0.11	1.34	2556.94	632.22	75.86	708.08	928.86	0.76
0.86	0.94	472	0.11	68.11	12.66	5975.03	0.11	1.34	2558.28	628.01	74.53	702.53	920.72	0.76
1.03	0.94	473	0.11	68.25	12.66	5987.69	0.10	1.32	2559.60	622.43	73.20	695.64	910.62	0.76
0.86	0.94	474	0.11	68.40	12.66	6000.35	0.10	1.32	2560.91	623.27	71.89	695.16	909.93	0.76
0.90	0.94	475	0.11	68.54	12.66	6013.01	0.10	1.31	2562.23	622.78	70.57	693.35	907.29	0.76
0.80	0.94	476	0.11	68.69	12.66	6025.66	0.10	1.31	2563.54	621.63	69.27	690.90	903.72	0.76
0.74	0.94	477	0.10	68.83	12.66	6038.32	0.10	1.30	2564.84	616.60	67.97	684.56	894.52	0.77
0.76	0.93	478	0.10	68.98	12.66	6050.98	0.10	1.27	2566.11	600.90	66.69	667.60	869.93	0.77
1.06	0.93	479	0.10	69.12	12.66	6063.64	0.10	1.25	2567.36	598.11	65.44	663.55	864.08	0.77
0.88	0.93	480	0.10	69.26	12.66	6076.30	0.10	1.25	2568.61	598.94	64.19	663.13	863.47	0.77
1.19	0.93	481	0.10	69.41	12.66	6088.96	0.10	1.24	2569.85	592.15	62.95	655.10	851.91	0.77
0.95	0.93	482	0.10	69.55	12.66	6101.62	0.10	1.23	2571.08	592.44	61.72	654.17	850.56	0.77
0.91	0.93	483	0.10	69.70	12.66	6114.28	0.10	1.23	2572.31	590.00	60.50	650.49	845.30	0.77
0.81	0.93	484	0.10	69.84	12.66	6126.94	0.10	1.22	2573.53	590.98	59.27	650.26	844.96	0.77
0.98	0.93	485	0.10	69.99	12.66	6139.60	0.10	1.22	2574.75	590.57	58.05	648.62	842.63	0.77
1.00	0.93	486	0.10	70.13	12.66	6152.25	0.09	1.20	2575.95	576.43	56.85	633.28	820.76	0.77
0.94	0.92	487	0.09	70.27	12.66	6164.91	0.09	1.17	2577.12	558.13	55.69	613.81	793.07	0.77
0.68	0.92	488	0.09	70.42	12.66	6177.57	0.09	1.14	2578.25	551.27	54.55	605.82	781.71	0.77
0.74	0.92	489	0.09	70.56	12.66	6190.23	0.09	1.12	2579.37	544.73	53.43	598.15	770.86	0.78
1.35	0.92	490	0.09	70.71	12.66	6202.89	0.09	1.11	2580.48	540.10	52.32	592.42	762.75	0.78
1.37	0.92	491	0.09	70.85	12.66	6215.55	0.09	1.10	2581.58	539.83	51.22	591.05	760.82	0.78
0.92	0.92	492	0.09	71.00	12.66	6228.21	0.09	1.10	2582.68	538.65	50.12	588.77	757.61	0.78
0.87	0.92	493	0.09	71.14	12.66	6240.87	0.09	1.09	2583.78	539.64	49.03	588.66	757.46	0.78
0.90	0.92	494	0.09	71.28	12.66	6253.53	0.09	1.09	2584.87	536.85	47.94	584.78	752.02	0.78
0.81	0.92	495	0.09	71.43	12.66	6266.18	0.09	1.08	2585.95	533.82	46.85	580.67	746.27	0.78
0.72	0.92	496	0.09	71.57	12.66	6278.84	0.08	1.08	2587.03	533.42	45.78	579.19	744.20	0.78
0.86	0.92	497	0.09	71.72	12.66	6291.50	0.08	1.07	2588.09	526.46	44.71	571.17	733.02	0.78

0.97	0.92	498	0.08	71.86	12.66	6304.16	0.08	1.05	2589.15	520.03	43.66	563.69	722.61	0.78
0.89	0.91	499	0.08	72.01	12.66	6316.82	0.08	1.04	2590.18	513.84	42.62	556.46	712.58	0.78
1.04	0.91	500	0.08	72.15	12.66	6329.48	0.08	1.03	2591.21	513.40	41.59	554.99	710.55	0.78
1.12	0.91	501	0.08	72.29	12.66	6342.14	0.08	1.02	2592.23	512.13	40.57	552.70	707.38	0.78
1.07	0.91	502	0.08	72.44	12.66	6354.80	0.08	1.01	2593.25	503.66	39.55	543.22	694.29	0.78
0.98	0.91	503	0.08	72.58	12.66	6367.46	0.08	0.98	2594.23	484.08	38.57	522.65	665.97	0.78
0.80	0.91	504	0.08	72.73	12.66	6380.12	0.08	0.96	2595.19	480.14	37.61	517.76	659.24	0.79
0.81	0.91	505	0.08	72.87	12.66	6392.77	0.07	0.95	2596.14	476.42	36.67	513.08	652.83	0.79
0.84	0.91	506	0.08	73.02	12.66	6405.43	0.07	0.94	2597.08	473.50	35.73	509.23	647.55	0.79
0.81	0.91	507	0.08	73.16	12.66	6418.09	0.07	0.94	2598.01	474.38	34.79	509.17	647.47	0.79
0.76	0.91	508	0.07	73.30	12.66	6430.75	0.07	0.93	2598.94	469.84	33.86	503.70	640.01	0.79
1.08	0.90	509	0.07	73.45	12.66	6443.41	0.07	0.90	2599.85	449.47	32.96	482.43	611.07	0.79
1.58	0.90	510	0.07	73.59	12.66	6456.07	0.07	0.88	2600.72	445.90	32.08	477.98	605.03	0.79
1.05	0.90	511	0.07	73.74	12.66	6468.73	0.07	0.87	2601.60	444.06	31.21	475.26	601.34	0.79
0.94	0.90	512	0.07	73.88	12.66	6481.39	0.07	0.87	2602.46	443.56	30.34	473.90	599.50	0.79
1.11	0.90	513	0.07	74.03	12.66	6494.05	0.07	0.85	2603.32	431.56	29.48	461.04	582.14	0.79
1.10	0.90	514	0.07	74.17	12.66	6506.71	0.07	0.84	2604.16	430.66	28.65	459.31	579.80	0.79
0.91	0.90	515	0.07	74.31	12.66	6519.36	0.07	0.84	2604.99	430.92	27.81	458.73	579.03	0.79
0.84	0.90	516	0.07	74.46	12.66	6532.02	0.07	0.83	2605.83	425.97	26.98	452.95	571.27	0.79
0.86	0.90	517	0.07	74.60	12.66	6544.68	0.06	0.82	2606.64	420.69	26.16	446.85	563.10	0.79
0.85	0.90	518	0.06	74.75	12.66	6557.34	0.06	0.81	2607.45	416.79	25.35	442.14	556.79	0.79
0.97	0.90	519	0.06	74.89	12.66	6570.00	0.06	0.80	2608.26	417.53	24.54	442.07	556.70	0.79
1.25	0.90	520	0.06	75.04	12.66	6582.66	0.06	0.80	2609.06	412.26	23.74	436.00	548.62	0.79
1.63	0.90	521	0.06	75.18	12.66	6595.32	0.06	0.79	2609.85	412.92	22.95	435.87	548.44	0.79
1.39	0.90	522	0.06	75.32	12.66	6607.98	0.06	0.79	2610.64	412.07	22.16	434.23	546.27	0.79
1.27	0.89	523	0.06	75.47	12.66	6620.64	0.06	0.79	2611.43	409.65	21.37	431.02	542.02	0.80
1.09	0.89	524	0.06	75.61	12.66	6633.29	0.06	0.78	2612.20	403.47	20.60	424.07	532.83	0.80
0.90	0.89	525	0.06	75.76	12.66	6645.95	0.06	0.75	2612.95	380.93	19.85	400.78	502.10	0.80
1.01	0.89	526	0.06	75.90	12.66	6658.61	0.06	0.73	2613.68	381.48	19.13	400.60	501.87	0.80
1.21	0.89	527	0.06	76.05	12.66	6671.27	0.06	0.72	2614.40	374.79	18.41	393.19	492.13	0.80
1.06	0.89	528	0.06	76.19	12.66	6683.93	0.05	0.70	2615.10	363.86	17.71	381.56	476.87	0.80
1.09	0.89	529	0.06	76.33	12.66	6696.59	0.05	0.69	2615.78	364.02	17.02	381.03	476.18	0.80
1.33	0.89	530	0.05	76.48	12.66	6709.25	0.05	0.68	2616.47	358.45	16.34	374.79	468.02	0.80
1.12	0.88	531	0.05	76.62	12.66	6721.91	0.05	0.65	2617.12	333.98	15.68	349.66	435.24	0.80
0.92	0.88	532	0.05	76.77	12.66	6734.57	0.05	0.62	2617.74	329.96	15.06	345.02	429.20	0.80
1.10	0.88	533	0.05	76.91	12.66	6747.23	0.05	0.61	2618.36	324.43	14.44	338.87	421.21	0.80
1.10	0.88	534	0.05	77.06	12.66	6759.88	0.05	0.61	2618.96	322.61	13.84	336.45	418.06	0.80
1.10	0.88	535	0.05	77.20	12.66	6772.54	0.05	0.60	2619.56	316.49	13.24	329.73	409.37	0.81
0.96	0.88	536	0.04	77.34	12.66	6785.20	0.04	0.57	2620.14	298.12	12.67	310.79	384.89	0.81
1.00	0.88	537	0.04	77.49	12.66	6797.86	0.04	0.55	2620.69	295.91	12.11	308.02	381.32	0.81
0.94	0.88	538	0.04	77.63	12.66	6810.52	0.04	0.55	2621.24	295.28	11.56	306.84	379.80	0.81
1.05	0.88	539	0.04	77.78	12.66	6823.18	0.04	0.55	2621.79	295.63	11.01	306.64	379.55	0.81

0.89	0.87	540	0.04	77.92	12.66	6835.84	0.04	0.54	2622.33	287.65	10.47	298.12	368.62	0.81
1.04	0.87	541	0.04	78.07	12.66	6848.50	0.04	0.52	2622.85	273.74	9.95	283.70	350.15	0.81
0.78	0.87	542	0.04	78.21	12.66	6861.16	0.04	0.50	2623.34	262.94	9.46	272.40	335.71	0.81
0.84	0.87	543	0.04	78.35	12.66	6873.82	0.04	0.48	2623.82	253.51	8.98	262.49	323.07	0.81
1.04	0.87	544	0.03	78.50	12.66	6886.47	0.03	0.44	2624.26	226.11	8.54	234.65	287.63	0.82
1.60	0.87	545	0.03	78.64	12.66	6899.13	0.03	0.42	2624.68	226.21	8.13	234.33	287.22	0.82
1.26	0.86	546	0.03	78.79	12.66	6911.79	0.03	0.41	2625.08	218.76	7.72	226.48	277.26	0.82
1.20	0.86	547	0.03	78.93	12.66	6924.45	0.03	0.40	2625.48	216.72	7.32	224.03	274.16	0.82
1.02	0.86	548	0.03	79.08	12.66	6937.11	0.03	0.39	2625.88	215.72	6.92	222.65	272.41	0.82
1.11	0.86	549	0.03	79.22	12.66	6949.77	0.03	0.39	2626.27	214.20	6.53	220.74	270.00	0.82
1.56	0.86	550	0.03	79.37	12.66	6962.43	0.03	0.39	2626.66	213.15	6.14	219.30	268.18	0.82
1.45	0.86	551	0.03	79.51	12.66	6975.09	0.03	0.39	2627.04	211.28	5.76	217.04	265.35	0.82
1.34	0.86	552	0.03	79.65	12.66	6987.75	0.03	0.37	2627.42	199.72	5.39	205.10	250.37	0.82
1.17	0.86	553	0.03	79.80	12.66	7000.40	0.03	0.36	2627.77	193.26	5.03	198.29	241.84	0.82
1.01	0.86	554	0.03	79.94	12.66	7013.06	0.03	0.34	2628.11	185.50	4.69	190.19	231.71	0.82
1.08	0.86	555	0.03	80.09	12.66	7025.72	0.03	0.33	2628.45	185.25	4.35	189.61	230.98	0.82
1.28	0.86	556	0.03	80.23	12.66	7038.38	0.03	0.33	2628.78	183.34	4.02	187.37	228.19	0.82
1.17	0.86	557	0.03	80.38	12.66	7051.04	0.02	0.32	2629.10	176.15	3.70	179.85	218.84	0.82
1.58	0.86	558	0.03	80.52	12.66	7063.70	0.02	0.31	2629.42	174.79	3.38	178.17	216.76	0.82
1.51	0.85	559	0.02	80.66	12.66	7076.36	0.02	0.29	2629.71	150.82	3.09	153.92	186.71	0.82
1.14	0.85	560	0.02	80.81	12.66	7089.02	0.02	0.26	2629.97	143.17	2.83	146.00	176.92	0.83
1.28	0.85	561	0.02	80.95	12.66	7101.68	0.02	0.25	2630.23	141.15	2.58	143.73	174.11	0.83
1.26	0.85	562	0.02	81.10	12.66	7114.34	0.02	0.22	2630.45	107.17	2.36	109.53	131.96	0.83
1.30	0.85	563	0.02	81.24	12.66	7126.99	0.01	0.19	2630.64	105.40	2.17	107.56	129.55	0.83
1.08	0.85	564	0.01	81.39	12.66	7139.65	0.01	0.18	2630.82	102.30	1.98	104.29	125.52	0.83
0.95	0.84	565	0.01	81.53	12.66	7152.31	0.01	0.17	2630.99	92.02	1.81	93.83	112.70	0.83
1.04	0.84	566	0.01	81.67	12.66	7164.97	0.01	0.16	2631.16	92.02	1.65	93.66	112.50	0.83
1.00	0.84	567	0.01	81.82	12.66	7177.63	0.01	0.16	2631.32	92.18	1.48	93.66	112.50	0.83
0.94	0.84	568	0.01	81.96	12.66	7190.29	0.01	0.16	2631.48	90.00	1.32	91.32	109.65	0.83
1.37	0.84	569	0.01	82.11	12.66	7202.95	0.01	0.15	2631.63	79.63	1.17	80.81	96.84	0.83
1.47	0.84	570	0.01	82.25	12.66	7215.61	0.01	0.13	2631.76	73.02	1.04	74.06	88.65	0.84
0.78	0.84	571	0.01	82.40	12.66	7228.27	0.01	0.13	2631.89	72.85	0.91	73.76	88.28	0.84
0.66	0.84	572	0.01	82.54	12.66	7240.92	0.01	0.12	2632.01	69.65	0.79	70.44	84.27	0.84
0.84	0.84	573	0.01	82.68	12.66	7253.58	0.01	0.12	2632.13	66.77	0.67	67.44	80.63	0.84
0.78	0.84	574	0.01	82.83	12.66	7266.24	0.01	0.11	2632.25	62.22	0.56	62.78	75.01	0.84
0.89	0.84	575	0.01	82.97	12.66	7278.90	0.01	0.10	2632.34	48.45	0.46	48.91	58.30	0.84
0.90	0.84	576	0.01	83.12	12.66	7291.56	0.01	0.08	2632.43	47.17	0.38	47.55	56.68	0.84
1.03	0.84	577	0.01	83.26	12.66	7304.22	0.01	0.08	2632.50	42.59	0.30	42.89	51.08	0.84
1.15	0.84	578	0.00	83.41	12.66	7316.88	0.00	0.06	2632.57	32.30	0.23	32.53	38.67	0.84
0.86	0.84	579	0.00	83.55	12.66	7329.54	0.00	0.05	2632.62	27.03	0.18	27.22	32.31	0.84
0.94	0.83	580	0.00	83.69	12.66	7342.20	0.00	0.04	2632.66	17.73	0.14	17.88	21.16	0.84
1.18	0.83	581	0.00	83.84	12.66	7354.86	0.00	0.03	2632.69	17.11	0.11	17.22	20.38	0.85

1.41	0.83	582	0.00	83.98	12.66	7367.51	0.00	0.03	2632.71	13.82	0.09	13.91	16.43	0.85
1.17	0.83	583	0.00	84.13	12.66	7380.17	0.00	0.02	2632.74	13.46	0.06	13.52	15.97	0.85
1.33	0.83	584	0.00	84.27	12.66	7392.83	0.00	0.02	2632.76	11.00	0.04	11.04	13.03	0.85
1.39	0.83	585	0.00	84.42	12.66	7405.49	0.00	0.02	2632.78	8.13	0.03	8.15	9.61	0.85
1.44	0.83	586	0.00	84.56	12.66	7418.15	0.00	0.01	2632.79	6.99	0.01	7.01	8.26	0.85
1.65	0.83	587	0.00	84.70	12.66	7430.81	0.00	0.01	2632.80	3.94	0.00	3.95	4.65	0.85
1.03	0.83	588	0.00	84.85	12.66	7443.47	0.00	0.00	2632.80	0.76	0.00	0.76	0.89	0.85
0.95	0.83	589	0.00	84.99	12.66	7456.13	0.00	0.00	2632.80	0.29	0.00	0.29	0.34	0.85

---

Escenario ESA-2

Caudal medio mensual m <sup>3</sup> /s	Caudal medio mensual ordenado de mayor a menor m <sup>3</sup> /s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (Mwh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
1.266	2.526	1	1.630	0.140	12.659	12.659	1.600			20.248	2164.011	2184.259	14011.790	0.156
1.008	2.520	2	1.624	0.290	12.659	25.318	1.593	20.207	20.207	40.333	2143.804	2184.137	13955.294	0.157
1.261	2.427	3	1.531	0.430	12.659	37.977	1.502	19.587	39.795	57.024	2124.216	2181.240	13153.489	0.166
1.131	2.280	4	1.384	0.580	12.659	50.636	1.358	18.098	57.893	68.753	2106.118	2174.872	11894.321	0.183
1.638	2.171	5	1.275	0.720	12.659	63.295	1.251	16.511	74.404	79.167	2089.607	2168.775	10956.755	0.198
1.228	2.153	6	1.257	0.870	12.659	75.954	1.234	15.725	90.128	93.695	2073.883	2167.578	10806.185	0.201
1.392	2.058	7	1.162	1.010	12.659	88.613	1.140	15.025	105.153	101.037	2058.858	2159.895	9988.257	0.216
1.076	2.014	8	1.118	1.150	12.659	101.272	1.097	14.160	119.314	111.095	2044.697	2155.792	9609.719	0.224
1.905	1.979	9	1.083	1.300	12.659	113.931	1.062	13.667	132.981	121.032	2031.030	2152.062	9306.047	0.231
1.173	1.966	10	1.070	1.440	12.659	126.590	1.049	13.366	146.348	132.848	2017.664	2150.512	9193.087	0.234
1.356	1.959	11	1.063	1.590	12.659	139.249	1.043	13.242	159.590	145.194	2004.421	2149.615	9134.000	0.235
2.058	1.945	12	1.049	1.730	12.659	151.908	1.030	13.116	172.706	156.390	1991.305	2147.695	9018.467	0.238
1.229	1.930	13	1.034	1.880	12.659	164.566	1.014	12.935	185.640	166.881	1978.371	2145.251	8883.181	0.241
1.199	1.916	14	1.020	2.020	12.659	177.225	1.000	12.751	198.391	177.311	1965.620	2142.931	8764.240	0.245
1.286	1.913	15	1.017	2.160	12.659	189.884	0.997	12.646	211.038	189.409	1952.974	2142.383	8738.091	0.245
0.979	1.905	16	1.009	2.310	12.659	202.543	0.990	12.580	223.617	200.511	1940.394	2140.904	8672.080	0.247
1.135	1.887	17	0.991	2.450	12.659	215.202	0.972	12.419	236.036	209.187	1927.975	2137.163	8515.160	0.251
1.887	1.868	18	0.972	2.600	12.659	227.861	0.953	12.186	248.221	217.188	1915.790	2132.978	8349.684	0.255
1.092	1.867	19	0.971	2.740	12.659	240.520	0.953	12.064	260.285	229.161	1903.726	2132.887	8346.292	0.256
1.125	1.831	20	0.935	2.890	12.659	253.179	0.917	11.833	272.118	232.101	1891.893	2123.994	8030.697	0.264
0.984	1.819	21	0.923	3.030	12.659	265.838	0.905	11.532	283.649	240.618	1880.362	2120.979	7928.930	0.267
0.933	1.808	22	0.912	3.170	12.659	278.497	0.895	11.393	295.043	249.237	1868.968	2118.205	7839.641	0.270
1.554	1.795	23	0.899	3.320	12.659	291.156	0.882	11.248	306.291	256.832	1857.720	2114.553	7727.296	0.274
0.954	1.782	24	0.886	3.460	12.659	303.815	0.870	11.088	317.378	264.209	1846.633	2110.842	7618.020	0.277
1.215	1.780	25	0.884	3.610	12.659	316.474	0.867	10.995	328.373	274.525	1835.638	2110.163	7598.863	0.278
0.932	1.745	26	0.849	3.750	12.659	329.133	0.833	10.765	339.138	274.286	1824.873	2099.158	7300.221	0.288
0.950	1.733	27	0.837	3.900	12.659	341.792	0.821	10.471	349.610	280.616	1814.401	2095.017	7192.087	0.291
0.981	1.732	28	0.836	4.040	12.659	354.451	0.820	10.387	359.997	290.678	1804.014	2094.692	7183.894	0.292
1.499	1.722	29	0.826	4.180	12.659	367.110	0.810	10.318	370.315	297.392	1793.696	2091.088	7096.389	0.295
1.255	1.721	30	0.825	4.330	12.659	379.769	0.810	10.251	380.566	307.432	1783.445	2090.876	7091.427	0.295
1.327	1.720	31	0.824	4.470	12.659	392.428	0.808	10.240	390.806	317.196	1773.205	2090.401	7080.635	0.295
0.968	1.711	32	0.815	4.620	12.659	405.087	0.799	10.174	400.981	323.734	1763.030	2086.764	7000.740	0.298
0.833	1.703	33	0.807	4.760	12.659	417.746	0.792	10.072	411.053	330.913	1752.958	2083.871	6939.148	0.300
0.900	1.699	34	0.803	4.910	12.659	430.405	0.788	10.001	421.054	339.137	1742.957	2082.094	6902.429	0.302
1.189	1.677	35	0.781	5.050	12.659	443.064	0.766	9.836	430.890	339.393	1733.121	2072.514	6710.285	0.309

1.212	1.672	36	0.776	5.190	12.659	455.723	0.761	9.667	440.557	346.919	1723.454	2070.373	6668.555	0.310
0.865	1.671	37	0.775	5.340	12.659	468.382	0.761	9.633	450.189	356.267	1713.822	2070.088	6663.148	0.311
1.196	1.668	38	0.772	5.480	12.659	481.040	0.757	9.605	459.795	364.106	1704.216	2068.322	6630.560	0.312
1.163	1.663	39	0.767	5.630	12.659	493.699	0.752	9.552	469.347	371.379	1694.664	2066.043	6589.589	0.314
1.007	1.651	40	0.755	5.770	12.659	506.358	0.740	9.447	478.794	374.879	1685.217	2060.096	6485.407	0.318
1.627	1.649	41	0.753	5.920	12.659	519.017	0.739	9.363	488.157	383.532	1675.854	2059.386	6473.277	0.318
2.520	1.641	42	0.745	6.060	12.659	531.676	0.731	9.302	497.460	388.506	1666.552	2055.058	6401.104	0.321
1.376	1.639	43	0.743	6.200	12.659	544.335	0.729	9.237	506.697	396.635	1657.314	2053.949	6383.052	0.322
0.785	1.638	44	0.742	6.350	12.659	556.994	0.727	9.217	515.913	405.203	1648.098	2053.301	6372.737	0.322
0.966	1.635	45	0.739	6.490	12.659	569.653	0.725	9.192	525.106	412.887	1638.906	2051.793	6349.287	0.323
1.563	1.635	46	0.739	6.640	12.659	582.312	0.724	9.173	534.279	421.868	1629.732	2051.600	6346.360	0.323
1.320	1.634	47	0.738	6.780	12.659	594.971	0.724	9.169	543.447	430.826	1620.564	2051.390	6343.229	0.323
0.919	1.628	48	0.732	6.930	12.659	607.630	0.718	9.129	552.577	436.419	1611.434	2047.853	6291.706	0.325
0.908	1.627	49	0.731	7.070	12.659	620.289	0.717	9.084	561.660	444.689	1602.351	2047.040	6280.099	0.326
0.980	1.622	50	0.726	7.220	12.659	632.948	0.712	9.046	570.707	450.871	1593.304	2044.176	6240.058	0.328
0.994	1.616	51	0.720	7.360	12.659	645.607	0.707	8.982	579.689	456.280	1584.322	2040.603	6191.097	0.330
1.274	1.616	52	0.720	7.500	12.659	658.266	0.707	8.946	588.634	465.114	1575.377	2040.491	6189.601	0.330
1.795	1.611	53	0.715	7.650	12.659	670.925	0.701	8.912	597.547	470.648	1566.464	2037.113	6145.067	0.332
1.913	1.606	54	0.710	7.790	12.659	683.584	0.697	8.849	606.396	476.191	1557.615	2033.806	6102.303	0.333
1.514	1.600	55	0.704	7.940	12.659	696.243	0.690	8.779	615.175	480.710	1548.836	2029.546	6048.204	0.336
1.123	1.588	56	0.692	8.080	12.659	708.902	0.679	8.669	623.845	481.514	1540.167	2021.680	5950.131	0.340
1.338	1.585	57	0.689	8.230	12.659	721.561	0.676	8.580	632.425	488.063	1531.586	2019.649	5925.255	0.341
1.733	1.585	58	0.689	8.370	12.659	734.220	0.676	8.559	640.984	496.174	1523.027	2019.201	5919.870	0.341
1.270	1.582	59	0.686	8.510	12.659	746.879	0.673	8.539	649.522	502.836	1514.489	2017.325	5897.673	0.342
0.930	1.577	60	0.681	8.660	12.659	759.538	0.668	8.492	658.014	507.639	1505.997	2013.636	5854.771	0.344
1.475	1.569	61	0.673	8.800	12.659	772.197	0.660	8.407	666.421	509.509	1497.590	2007.100	5780.005	0.347
1.634	1.567	62	0.671	8.950	12.659	784.855	0.658	8.341	674.761	516.403	1489.250	2005.653	5763.726	0.348
1.387	1.565	63	0.669	9.090	12.659	797.514	0.656	8.319	683.081	523.469	1480.931	2004.400	5749.852	0.349
1.414	1.565	64	0.669	9.240	12.659	810.173	0.656	8.306	691.387	531.443	1472.624	2004.067	5746.224	0.349
1.959	1.563	65	0.667	9.380	12.659	822.832	0.654	8.294	699.681	538.497	1464.330	2002.826	5732.917	0.349
2.171	1.563	66	0.667	9.520	12.659	835.491	0.654	8.282	707.963	546.486	1456.048	2002.534	5729.822	0.349
0.881	1.558	67	0.662	9.670	12.659	848.150	0.650	8.251	716.215	550.875	1447.797	1998.671	5689.630	0.351
0.955	1.557	68	0.661	9.810	12.659	860.809	0.649	8.218	724.433	558.599	1439.578	1998.178	5684.571	0.352
1.500	1.554	69	0.658	9.960	12.659	873.468	0.646	8.195	732.628	564.163	1431.383	1995.546	5657.984	0.353
1.112	1.554	70	0.658	10.100	12.659	886.127	0.645	8.171	740.800	571.654	1423.211	1994.865	5651.208	0.353
1.671	1.548	71	0.652	10.250	12.659	898.786	0.639	8.129	748.929	574.491	1415.082	1989.573	5599.265	0.355
1.243	1.534	72	0.638	10.390	12.659	911.445	0.626	8.007	756.936	570.483	1407.075	1977.558	5482.977	0.361
1.336	1.528	73	0.632	10.530	12.659	924.104	0.620	7.886	764.822	572.964	1399.189	1972.152	5431.381	0.363
1.280	1.515	74	0.619	10.680	12.659	936.763	0.608	7.770	772.592	569.120	1391.419	1960.539	5322.040	0.368
1.082	1.515	75	0.619	10.820	12.659	949.422	0.607	7.689	780.281	576.494	1383.730	1960.224	5319.114	0.369
1.297	1.514	76	0.618	10.970	12.659	962.081	0.607	7.683	787.964	583.657	1376.047	1959.705	5314.354	0.369
1.711	1.513	77	0.617	11.110	12.659	974.740	0.606	7.672	795.636	590.224	1368.375	1958.598	5304.347	0.369



1.808	1.511	78	0.615	11.260	12.659	987.399	0.604	7.654	803.290	596.088	1360.721	1956.809	5288.368	0.370
1.259	1.509	79	0.613	11.400	12.659	1000.058	0.601	7.628	810.918	601.531	1353.093	1954.624	5269.109	0.371
0.952	1.500	80	0.604	11.540	12.659	1012.717	0.593	7.560	818.478	600.487	1345.533	1946.019	5194.210	0.375
1.394	1.499	81	0.603	11.690	12.659	1025.376	0.592	7.500	825.978	606.984	1338.033	1945.016	5185.588	0.375
1.210	1.499	82	0.603	11.830	12.659	1038.035	0.591	7.489	833.467	613.711	1330.544	1944.254	5179.119	0.375
1.351	1.498	83	0.602	11.980	12.659	1050.694	0.591	7.483	840.950	620.916	1323.061	1943.978	5176.796	0.376
0.962	1.497	84	0.601	12.120	12.659	1063.353	0.590	7.475	848.425	627.386	1315.586	1942.973	5168.468	0.376
1.266	1.497	85	0.601	12.270	12.659	1076.012	0.589	7.464	855.889	634.070	1308.122	1942.192	5162.077	0.376
1.029	1.496	86	0.600	12.410	12.659	1088.671	0.588	7.452	863.341	640.277	1300.670	1940.947	5151.997	0.377
0.821	1.494	87	0.598	12.550	12.659	1101.329	0.587	7.437	870.778	646.265	1293.233	1939.498	5140.407	0.377
0.810	1.487	88	0.591	12.700	12.659	1113.988	0.580	7.386	878.164	646.252	1285.847	1932.099	5081.891	0.380
2.526	1.487	89	0.591	12.840	12.659	1126.647	0.579	7.339	885.503	652.805	1278.508	1931.312	5075.741	0.380
1.160	1.475	90	0.579	12.990	12.659	1139.306	0.568	7.262	892.766	647.104	1271.245	1918.349	4975.512	0.386
0.725	1.474	91	0.578	13.130	12.659	1151.965	0.567	7.186	899.952	653.576	1264.059	1917.635	4970.049	0.386
1.304	1.472	92	0.576	13.280	12.659	1164.624	0.565	7.165	907.117	657.594	1256.894	1914.488	4946.247	0.387
1.204	1.471	93	0.575	13.420	12.659	1177.283	0.564	7.143	914.260	663.934	1249.751	1913.685	4940.243	0.387
1.246	1.468	94	0.572	13.560	12.659	1189.942	0.561	7.118	921.379	667.134	1242.633	1909.766	4911.239	0.389
1.213	1.463	95	0.567	13.710	12.659	1202.601	0.556	7.066	928.445	668.386	1235.566	1903.952	4868.664	0.391
1.511	1.458	96	0.562	13.850	12.659	1215.260	0.551	7.007	935.452	669.917	1228.559	1898.476	4828.983	0.393
1.471	1.457	97	0.561	14.000	12.659	1227.919	0.551	6.974	942.426	676.030	1221.585	1897.615	4822.811	0.393
1.041	1.450	98	0.554	14.140	12.659	1240.578	0.543	6.924	949.350	674.068	1214.662	1888.730	4759.746	0.397
1.487	1.449	99	0.553	14.290	12.659	1253.237	0.542	6.870	956.220	679.348	1207.791	1887.140	4748.577	0.397
2.014	1.447	100	0.551	14.430	12.659	1265.896	0.541	6.852	963.072	684.254	1200.939	1885.193	4735.036	0.398
1.463	1.446	101	0.550	14.570	12.659	1278.555	0.540	6.838	969.910	690.208	1194.101	1884.309	4728.950	0.398
1.616	1.443	102	0.547	14.720	12.659	1291.214	0.537	6.816	976.726	693.327	1187.285	1880.612	4703.747	0.400
1.310	1.437	103	0.541	14.860	12.659	1303.873	0.531	6.759	983.485	692.308	1180.526	1872.834	4651.237	0.403
1.585	1.436	104	0.540	15.010	12.659	1316.532	0.530	6.714	990.199	697.547	1173.812	1871.358	4641.368	0.403
1.494	1.436	105	0.540	15.150	12.659	1329.191	0.530	6.707	996.906	704.196	1167.105	1871.301	4640.986	0.403
1.274	1.431	106	0.535	15.300	12.659	1341.850	0.525	6.678	1003.584	704.860	1160.427	1865.286	4601.536	0.405
1.945	1.425	107	0.529	15.440	12.659	1354.509	0.519	6.608	1010.193	702.669	1153.818	1856.487	4544.361	0.409
1.275	1.420	108	0.524	15.580	12.659	1367.168	0.514	6.537	1016.730	702.835	1147.281	1850.116	4503.347	0.411
0.982	1.419	109	0.523	15.730	12.659	1379.827	0.514	6.504	1023.234	708.601	1140.777	1849.378	4498.644	0.411
1.219	1.417	110	0.521	15.870	12.659	1392.486	0.511	6.486	1029.720	711.814	1134.291	1846.105	4477.959	0.412
1.189	1.416	111	0.520	16.020	12.659	1405.145	0.510	6.463	1036.183	716.399	1127.828	1844.227	4466.196	0.413
1.377	1.414	112	0.518	16.160	12.659	1417.803	0.509	6.446	1042.629	721.020	1121.382	1842.403	4454.876	0.414
1.569	1.413	113	0.517	16.310	12.659	1430.462	0.507	6.430	1049.059	725.821	1114.952	1840.773	4444.852	0.414
1.347	1.413	114	0.517	16.450	12.659	1443.121	0.507	6.422	1055.481	731.941	1108.530	1840.471	4443.008	0.414
1.122	1.413	115	0.517	16.590	12.659	1455.780	0.507	6.418	1061.899	737.760	1102.112	1839.872	4439.389	0.414
1.309	1.409	116	0.513	16.740	12.659	1468.439	0.503	6.392	1068.291	738.707	1095.720	1834.427	4406.767	0.416
1.331	1.409	117	0.513	16.880	12.659	1481.098	0.503	6.366	1074.657	744.648	1089.354	1834.002	4404.243	0.416
1.378	1.408	118	0.512	17.030	12.659	1493.757	0.502	6.360	1081.018	750.047	1082.994	1833.041	4398.583	0.417
1.400	1.400	119	0.504	17.170	12.659	1506.416	0.495	6.309	1087.327	745.191	1076.684	1821.875	4333.380	0.420

1.128	1.400	120	0.504	17.320	12.659	1519.075	0.495	6.262	1093.588	751.344	1070.423	1821.767	4332.750	0.420
1.105	1.400	121	0.504	17.460	12.659	1531.734	0.494	6.259	1099.848	757.159	1064.163	1821.322	4330.198	0.421
1.224	1.399	122	0.503	17.600	12.659	1544.393	0.493	6.252	1106.099	761.953	1057.912	1819.865	4321.896	0.421
1.066	1.394	123	0.498	17.750	12.659	1557.052	0.488	6.213	1112.312	760.168	1051.699	1811.867	4276.720	0.424
0.951	1.394	124	0.498	17.890	12.659	1569.711	0.488	6.180	1118.492	766.213	1045.519	1811.732	4275.964	0.424
0.890	1.392	125	0.496	18.040	12.659	1582.370	0.487	6.172	1124.664	770.562	1039.347	1809.909	4265.830	0.424
0.942	1.392	126	0.496	18.180	12.659	1595.029	0.487	6.162	1130.826	776.123	1033.185	1809.308	4262.515	0.424
1.041	1.391	127	0.495	18.330	12.659	1607.688	0.486	6.155	1136.981	781.160	1027.030	1808.190	4256.397	0.425
0.819	1.390	128	0.494	18.470	12.659	1620.347	0.484	6.142	1143.123	784.991	1020.888	1805.879	4243.858	0.426
0.842	1.389	129	0.493	18.610	12.659	1633.006	0.483	6.124	1149.247	788.992	1014.764	1803.756	4232.422	0.426
0.863	1.387	130	0.491	18.760	12.659	1645.665	0.482	6.108	1155.356	793.032	1008.656	1801.688	4221.371	0.427
0.755	1.383	131	0.487	18.900	12.659	1658.324	0.478	6.074	1161.429	792.210	1002.582	1794.791	4184.802	0.429
0.754	1.378	132	0.482	19.050	12.659	1670.983	0.473	6.016	1167.446	790.034	996.565	1786.600	4141.695	0.431
0.728	1.377	133	0.481	19.190	12.659	1683.642	0.472	5.982	1173.427	795.121	990.584	1785.704	4137.019	0.432
0.832	1.376	134	0.480	19.340	12.659	1696.301	0.471	5.968	1179.395	798.272	984.616	1782.888	4122.419	0.432
0.847	1.375	135	0.479	19.480	12.659	1708.960	0.469	5.950	1185.345	802.352	978.666	1781.017	4112.795	0.433
0.843	1.372	136	0.476	19.620	12.659	1721.618	0.467	5.930	1191.275	804.567	972.736	1777.303	4093.827	0.434
1.431	1.371	137	0.475	19.770	12.659	1734.277	0.466	5.909	1197.184	808.642	966.827	1775.469	4084.529	0.435
1.298	1.364	138	0.468	19.910	12.659	1746.936	0.459	5.857	1203.041	802.031	960.970	1763.000	4021.777	0.438
1.112	1.359	139	0.463	20.060	12.659	1759.595	0.454	5.782	1208.824	799.683	955.187	1754.870	3981.155	0.441
1.616	1.359	140	0.463	20.200	12.659	1772.254	0.454	5.750	1214.574	804.449	949.438	1753.887	3976.277	0.441
1.979	1.356	141	0.460	20.350	12.659	1784.913	0.452	5.731	1220.305	806.048	943.706	1749.755	3955.925	0.442
1.966	1.355	142	0.459	20.490	12.659	1797.572	0.451	5.710	1226.015	809.989	937.996	1747.985	3947.273	0.443
1.703	1.354	143	0.458	20.630	12.659	1810.231	0.450	5.698	1231.713	813.799	932.298	1746.097	3938.102	0.443
1.720	1.351	144	0.455	20.780	12.659	1822.890	0.446	5.671	1237.384	813.686	926.628	1740.313	3910.212	0.445
1.487	1.349	145	0.453	20.920	12.659	1835.549	0.445	5.640	1243.023	816.160	920.988	1737.148	3895.054	0.446
1.699	1.347	146	0.451	21.070	12.659	1848.208	0.442	5.612	1248.636	817.040	915.375	1732.415	3872.544	0.447
1.346	1.347	147	0.451	21.210	12.659	1860.867	0.442	5.596	1254.232	822.582	909.779	1732.362	3872.291	0.447
1.247	1.346	148	0.450	21.360	12.659	1873.526	0.441	5.592	1259.824	827.096	904.187	1731.283	3867.232	0.448
1.336	1.344	149	0.448	21.500	12.659	1886.185	0.439	5.574	1265.397	828.273	898.614	1726.886	3846.743	0.449
1.499	1.342	150	0.446	21.650	12.659	1898.844	0.437	5.549	1270.946	830.724	893.065	1723.789	3832.408	0.450
1.417	1.339	151	0.443	21.790	12.659	1911.503	0.434	5.519	1276.465	830.505	887.546	1718.051	3806.021	0.451
1.450	1.338	152	0.442	21.930	12.659	1924.162	0.433	5.493	1281.958	833.989	882.053	1716.041	3796.843	0.452
1.312	1.336	153	0.440	22.080	12.659	1936.821	0.431	5.474	1287.432	835.518	876.579	1712.096	3778.942	0.453
1.169	1.336	154	0.440	22.220	12.659	1949.480	0.431	5.460	1292.893	840.832	871.118	1711.950	3778.284	0.453
0.939	1.336	155	0.440	22.370	12.659	1962.139	0.431	5.459	1298.352	846.086	865.659	1711.746	3777.367	0.453
1.190	1.335	156	0.439	22.510	12.659	1974.798	0.431	5.458	1303.810	851.433	860.201	1711.634	3776.870	0.453
1.237	1.332	157	0.436	22.660	12.659	1987.457	0.428	5.438	1309.249	850.720	854.763	1705.483	3749.670	0.455
1.188	1.331	158	0.435	22.800	12.659	2000.116	0.427	5.413	1314.662	854.430	849.349	1703.779	3742.187	0.455
1.170	1.330	159	0.434	22.940	12.659	2012.775	0.426	5.401	1320.063	857.833	843.948	1701.781	3733.461	0.456
1.042	1.328	160	0.432	23.090	12.659	2025.434	0.424	5.380	1325.443	858.254	838.568	1696.822	3711.946	0.457
1.446	1.327	161	0.431	23.230	12.659	2038.092	0.423	5.357	1330.800	861.365	833.211	1694.577	3702.266	0.458

1.819	1.326	162	0.430	23.380	12.659	2050.751	0.422	5.346	1336.146	865.544	827.865	1693.408	3697.261	0.458
2.280	1.323	163	0.427	23.520	12.659	2063.410	0.419	5.325	1341.471	864.938	822.540	1687.478	3672.005	0.460
1.622	1.320	164	0.424	23.670	12.659	2076.069	0.416	5.287	1346.758	863.857	817.253	1681.110	3645.056	0.461
1.641	1.317	165	0.421	23.810	12.659	2088.728	0.413	5.248	1352.006	862.810	812.005	1674.815	3618.574	0.463
1.565	1.314	166	0.418	23.950	12.659	2101.387	0.410	5.212	1357.218	862.210	806.793	1669.004	3594.275	0.464
1.437	1.312	167	0.416	24.100	12.659	2114.046	0.408	5.178	1362.396	862.074	801.615	1663.689	3572.187	0.466
1.436	1.310	168	0.414	24.240	12.659	2126.705	0.406	5.153	1367.549	864.096	796.462	1660.559	3559.254	0.467
1.413	1.309	169	0.413	24.390	12.659	2139.364	0.405	5.138	1372.686	867.257	791.325	1658.582	3551.137	0.467
1.472	1.309	170	0.413	24.530	12.659	2152.023	0.405	5.129	1377.815	871.476	786.196	1657.671	3547.418	0.467
1.040	1.309	171	0.413	24.680	12.659	2164.682	0.405	5.125	1382.940	875.999	781.071	1657.071	3544.979	0.467
1.328	1.304	172	0.408	24.820	12.659	2177.341	0.401	5.098	1388.037	872.423	775.974	1648.397	3509.981	0.470
1.868	1.304	173	0.408	24.960	12.659	2190.000	0.401	5.071	1393.109	877.240	770.902	1648.142	3508.958	0.470
1.548	1.304	174	0.408	25.110	12.659	2202.659	0.400	5.066	1398.175	880.698	765.836	1646.534	3502.546	0.470
1.018	1.301	175	0.405	25.250	12.659	2215.318	0.398	5.047	1403.222	880.644	760.789	1641.433	3482.317	0.471
0.898	1.298	176	0.402	25.400	12.659	2227.977	0.395	5.014	1408.236	879.257	755.775	1635.032	3457.077	0.473
0.899	1.298	177	0.402	25.540	12.659	2240.636	0.394	4.993	1413.228	883.121	750.783	1633.904	3452.654	0.473
0.813	1.297	178	0.401	25.690	12.659	2253.295	0.394	4.987	1418.215	887.257	745.796	1633.053	3449.336	0.473
0.997	1.295	179	0.399	25.830	12.659	2265.954	0.392	4.972	1423.188	887.801	740.824	1628.625	3432.169	0.475
0.993	1.286	180	0.390	25.970	12.659	2278.613	0.382	4.899	1428.087	871.056	735.924	1606.980	3348.726	0.480
1.033	1.285	181	0.389	26.120	12.659	2291.272	0.381	4.833	1432.920	873.672	731.091	1604.763	3340.227	0.480
0.846	1.285	182	0.389	26.260	12.659	2303.931	0.381	4.827	1437.747	878.439	726.264	1604.703	3339.999	0.480
0.806	1.282	183	0.386	26.410	12.659	2316.590	0.379	4.810	1442.556	877.023	721.455	1598.478	3316.394	0.482
0.958	1.281	184	0.385	26.550	12.659	2329.249	0.378	4.788	1447.344	880.003	716.667	1596.670	3309.577	0.482
1.031	1.280	185	0.384	26.700	12.659	2341.908	0.377	4.778	1452.122	882.947	711.890	1594.836	3302.698	0.483
1.077	1.279	186	0.383	26.840	12.659	2354.566	0.376	4.766	1456.888	885.398	707.123	1592.521	3294.061	0.483
0.766	1.279	187	0.383	26.980	12.659	2367.225	0.376	4.757	1461.645	889.051	702.366	1591.417	3289.964	0.484
1.061	1.278	188	0.382	27.130	12.659	2379.884	0.375	4.748	1466.393	891.354	697.618	1588.972	3280.941	0.484
0.854	1.276	189	0.380	27.270	12.659	2392.543	0.373	4.732	1471.125	892.672	692.886	1585.558	3268.406	0.485
1.101	1.275	190	0.379	27.420	12.659	2405.202	0.372	4.715	1475.840	894.351	688.171	1582.522	3257.320	0.486
1.513	1.275	191	0.379	27.560	12.659	2417.861	0.371	4.705	1480.545	898.186	683.466	1581.652	3254.160	0.486
0.894	1.274	192	0.378	27.710	12.659	2430.520	0.371	4.701	1485.246	902.191	678.765	1580.956	3251.646	0.486
0.761	1.274	193	0.378	27.850	12.659	2443.179	0.371	4.697	1489.943	906.158	674.068	1580.227	3249.024	0.486
0.793	1.270	194	0.374	27.990	12.659	2455.838	0.367	4.668	1494.611	900.424	669.400	1569.824	3211.823	0.489
0.838	1.269	195	0.373	28.140	12.659	2468.497	0.366	4.640	1499.251	904.418	664.760	1569.178	3209.524	0.489
0.915	1.268	196	0.372	28.280	12.659	2481.156	0.365	4.630	1503.881	905.774	660.131	1565.904	3197.936	0.490
1.065	1.267	197	0.371	28.430	12.659	2493.815	0.363	4.611	1508.492	906.468	655.519	1561.988	3184.143	0.491
0.957	1.266	198	0.370	28.570	12.659	2506.474	0.363	4.601	1513.093	910.811	650.919	1561.730	3183.240	0.491
0.909	1.266	199	0.370	28.720	12.659	2519.133	0.363	4.599	1517.691	914.808	646.320	1561.128	3181.141	0.491
0.717	1.264	200	0.368	28.860	12.659	2531.792	0.361	4.585	1522.276	914.709	641.735	1556.443	3164.892	0.492
0.727	1.263	201	0.367	29.000	12.659	2544.451	0.360	4.563	1526.839	914.853	637.172	1552.025	3149.642	0.493
1.055	1.261	202	0.365	29.150	12.659	2557.110	0.358	4.540	1531.379	914.852	632.632	1547.484	3134.046	0.494
1.011	1.260	203	0.364	29.290	12.659	2569.769	0.357	4.524	1535.903	917.269	628.108	1545.377	3126.849	0.494

0.750	1.259	204	0.363	29.440	12.659	2582.428	0.356	4.512	1540.415	918.950	623.597	1542.547	3117.224	0.495
0.931	1.258	205	0.362	29.580	12.659	2595.087	0.355	4.502	1544.916	922.212	619.095	1541.307	3113.028	0.495
0.917	1.255	206	0.359	29.730	12.659	2607.746	0.353	4.481	1549.397	919.320	614.614	1533.934	3088.200	0.497
0.981	1.255	207	0.359	29.870	12.659	2620.405	0.352	4.461	1553.857	922.946	610.154	1533.100	3085.405	0.497
1.150	1.255	208	0.359	30.010	12.659	2633.064	0.352	4.456	1558.313	926.221	605.698	1531.919	3081.466	0.497
1.101	1.253	209	0.357	30.160	12.659	2645.723	0.350	4.444	1562.757	926.744	601.254	1527.998	3068.452	0.498
1.563	1.251	210	0.355	30.300	12.659	2658.382	0.348	4.423	1567.180	926.430	596.831	1523.262	3052.809	0.499
1.053	1.247	211	0.351	30.450	12.659	2671.040	0.345	4.387	1571.566	920.282	592.445	1512.727	3018.176	0.501
0.895	1.246	212	0.350	30.590	12.659	2683.699	0.343	4.353	1575.919	920.835	588.092	1508.927	3005.744	0.502
1.732	1.243	213	0.347	30.740	12.659	2696.358	0.340	4.326	1580.245	917.644	583.766	1501.410	2981.266	0.504
1.509	1.241	214	0.345	30.880	12.659	2709.017	0.339	4.299	1584.543	917.818	579.468	1497.286	2967.898	0.504
1.158	1.237	215	0.341	31.020	12.659	2721.676	0.335	4.264	1588.808	911.592	575.203	1486.796	2934.055	0.507
1.136	1.236	216	0.340	31.170	12.659	2734.335	0.333	4.229	1593.037	911.061	570.974	1482.035	2918.769	0.508
1.342	1.233	217	0.337	31.310	12.659	2746.994	0.331	4.203	1597.240	909.010	566.771	1475.781	2898.778	0.509
1.041	1.229	218	0.333	31.460	12.659	2759.653	0.327	4.165	1601.405	902.770	562.606	1465.376	2865.672	0.511
0.995	1.228	219	0.332	31.600	12.659	2772.312	0.326	4.133	1605.539	903.537	558.473	1462.010	2855.012	0.512
1.145	1.228	220	0.332	31.750	12.659	2784.971	0.326	4.124	1609.662	906.745	554.349	1461.094	2852.125	0.512
1.371	1.225	221	0.329	31.890	12.659	2797.630	0.323	4.103	1613.765	902.515	550.246	1452.761	2825.975	0.514
0.813	1.224	222	0.328	32.030	12.659	2810.289	0.321	4.076	1617.841	903.338	546.170	1449.508	2815.809	0.515
0.830	1.220	223	0.324	32.180	12.659	2822.948	0.318	4.048	1621.890	898.105	542.122	1440.227	2786.946	0.517
0.954	1.219	224	0.323	32.320	12.659	2835.607	0.316	4.017	1625.906	897.379	538.105	1435.484	2772.259	0.518
0.784	1.217	225	0.321	32.470	12.659	2848.266	0.315	3.998	1629.905	897.881	534.106	1431.988	2761.484	0.519
0.700	1.215	226	0.319	32.610	12.659	2860.925	0.313	3.976	1633.881	895.313	530.130	1425.443	2741.400	0.520
1.176	1.213	227	0.317	32.760	12.659	2873.584	0.311	3.951	1637.832	894.501	526.179	1420.680	2726.848	0.521
1.383	1.213	228	0.317	32.900	12.659	2886.243	0.311	3.938	1641.770	897.268	522.241	1419.510	2723.288	0.521
0.671	1.212	229	0.316	33.040	12.659	2898.902	0.310	3.933	1645.702	899.937	518.309	1418.246	2719.461	0.522
1.136	1.211	230	0.315	33.190	12.659	2911.561	0.309	3.921	1649.624	899.857	514.388	1414.245	2707.396	0.522
0.927	1.211	231	0.315	33.330	12.659	2924.220	0.309	3.912	1653.536	903.608	510.476	1414.083	2706.912	0.522
0.841	1.210	232	0.314	33.480	12.659	2936.879	0.308	3.904	1657.440	903.974	506.571	1410.545	2696.335	0.523
0.859	1.209	233	0.313	33.620	12.659	2949.538	0.307	3.891	1661.331	905.507	502.680	1408.187	2689.316	0.524
1.419	1.207	234	0.311	33.770	12.659	2962.197	0.306	3.877	1665.208	904.954	498.803	1403.757	2676.188	0.525
0.931	1.207	235	0.311	33.910	12.659	2974.855	0.305	3.864	1669.072	907.443	494.939	1402.382	2672.130	0.525
1.211	1.206	236	0.310	34.050	12.659	2987.514	0.304	3.857	1672.930	909.386	491.081	1400.467	2666.504	0.525
1.304	1.204	237	0.308	34.200	12.659	3000.173	0.303	3.841	1676.771	907.553	487.240	1394.793	2649.900	0.526
1.745	1.204	238	0.308	34.340	12.659	3012.832	0.302	3.827	1680.598	910.435	483.413	1393.848	2647.147	0.527
1.831	1.201	239	0.305	34.490	12.659	3025.491	0.299	3.804	1684.403	904.226	479.608	1383.834	2618.092	0.529
1.081	1.199	240	0.303	34.630	12.659	3038.150	0.297	3.774	1688.177	903.512	475.834	1379.347	2605.127	0.529
1.087	1.199	241	0.303	34.780	12.659	3050.809	0.297	3.762	1691.939	906.002	472.072	1378.075	2601.467	0.530
1.260	1.198	242	0.302	34.920	12.659	3063.468	0.296	3.755	1695.694	907.582	468.318	1375.900	2595.236	0.530
1.024	1.198	243	0.302	35.060	12.659	3076.127	0.296	3.750	1699.444	911.267	464.567	1375.834	2595.049	0.530
1.056	1.196	244	0.300	35.210	12.659	3088.786	0.294	3.738	1703.182	909.367	460.829	1370.196	2579.024	0.531
1.672	1.196	245	0.300	35.350	12.659	3101.445	0.294	3.726	1706.909	912.890	457.102	1369.993	2578.449	0.531

1.180	1.195	246	0.299	35.500	12.659	3114.104	0.293	3.719	1710.627	912.940	453.384	1366.324	2568.107	0.532
1.220	1.195	247	0.299	35.640	12.659	3126.763	0.293	3.710	1714.337	915.988	449.674	1365.662	2566.251	0.532
0.977	1.194	248	0.298	35.790	12.659	3139.422	0.293	3.706	1718.043	918.661	445.968	1364.629	2563.362	0.532
1.314	1.192	249	0.296	35.930	12.659	3152.081	0.291	3.692	1721.736	916.264	442.276	1358.540	2546.405	0.534
1.496	1.191	250	0.295	36.080	12.659	3164.740	0.289	3.671	1725.407	915.646	438.604	1354.251	2534.509	0.534
1.528	1.190	251	0.294	36.220	12.659	3177.399	0.288	3.655	1729.061	915.364	434.950	1350.314	2523.634	0.535
0.938	1.189	252	0.293	36.360	12.659	3190.058	0.288	3.645	1732.706	917.864	431.305	1349.169	2520.483	0.535
0.988	1.189	253	0.293	36.510	12.659	3202.717	0.287	3.638	1736.344	919.240	427.667	1346.907	2514.285	0.536
1.124	1.188	254	0.292	36.650	12.659	3215.376	0.287	3.631	1739.975	921.774	424.036	1345.810	2511.289	0.536
1.002	1.186	255	0.290	36.800	12.659	3228.035	0.285	3.616	1743.591	918.584	420.420	1339.005	2492.785	0.537
1.120	1.184	256	0.288	36.940	12.659	3240.694	0.283	3.591	1747.182	916.346	416.830	1333.175	2476.998	0.538
1.515	1.184	257	0.288	37.090	12.659	3253.353	0.282	3.577	1750.759	918.621	413.253	1331.874	2473.486	0.538
1.606	1.182	258	0.286	37.230	12.659	3266.012	0.281	3.563	1754.322	916.391	409.689	1326.080	2457.917	0.540
1.399	1.180	259	0.284	37.370	12.659	3278.671	0.279	3.541	1757.862	914.064	406.149	1320.213	2442.211	0.541
2.153	1.180	260	0.284	37.520	12.659	3291.329	0.279	3.528	1761.390	916.956	402.621	1319.577	2440.513	0.541
1.449	1.176	261	0.280	37.660	12.659	3303.988	0.275	3.505	1764.895	908.899	399.116	1308.015	2409.801	0.543
1.281	1.175	262	0.279	37.810	12.659	3316.647	0.274	3.473	1768.368	907.534	395.643	1303.178	2396.999	0.544
1.145	1.173	263	0.277	37.950	12.659	3329.306	0.272	3.455	1771.822	906.080	392.189	1298.269	2384.059	0.545
1.241	1.173	264	0.277	38.100	12.659	3341.965	0.272	3.442	1775.264	907.830	388.747	1296.576	2379.614	0.545
1.038	1.172	265	0.276	38.240	12.659	3354.624	0.271	3.432	1778.696	907.592	385.315	1292.907	2370.013	0.546
1.061	1.171	266	0.275	38.380	12.659	3367.283	0.270	3.419	1782.115	907.879	381.896	1289.774	2361.849	0.546
1.211	1.170	267	0.274	38.530	12.659	3379.942	0.268	3.406	1785.521	907.272	378.490	1285.763	2351.433	0.547
1.389	1.169	268	0.273	38.670	12.659	3392.601	0.268	3.394	1788.915	908.438	375.097	1283.534	2345.668	0.547
1.639	1.168	269	0.272	38.820	12.659	3405.260	0.267	3.386	1792.301	909.981	371.710	1281.691	2340.917	0.548
2.427	1.168	270	0.272	38.960	12.659	3417.919	0.267	3.380	1795.681	911.893	368.330	1280.223	2337.148	0.548
1.497	1.167	271	0.271	39.110	12.659	3430.578	0.266	3.370	1799.051	911.481	364.960	1276.441	2327.472	0.548
1.191	1.165	272	0.269	39.250	12.659	3443.237	0.264	3.354	1802.405	909.665	361.606	1271.271	2314.294	0.549
1.039	1.164	273	0.268	39.390	12.659	3455.896	0.263	3.334	1805.740	907.538	358.272	1265.810	2300.427	0.550
1.172	1.163	274	0.267	39.540	12.659	3468.555	0.262	3.321	1809.060	909.009	354.951	1263.960	2295.746	0.551
1.141	1.161	275	0.265	39.680	12.659	3481.214	0.260	3.304	1812.365	905.089	351.646	1256.735	2277.532	0.552
0.998	1.160	276	0.264	39.830	12.659	3493.873	0.259	3.282	1815.647	903.554	348.364	1251.918	2265.432	0.553
0.980	1.158	277	0.262	39.970	12.659	3506.532	0.257	3.265	1818.912	901.940	345.099	1247.039	2253.223	0.553
1.534	1.158	278	0.262	40.120	12.659	3519.191	0.257	3.256	1822.168	904.980	341.843	1246.823	2252.684	0.553
1.722	1.158	279	0.262	40.260	12.659	3531.850	0.257	3.251	1825.419	906.079	338.592	1244.670	2247.335	0.554
1.416	1.155	280	0.259	40.400	12.659	3544.509	0.254	3.231	1828.650	899.974	335.361	1235.335	2224.222	0.555
1.635	1.155	281	0.259	40.550	12.659	3557.168	0.254	3.212	1831.863	902.065	332.149	1234.213	2221.454	0.556
1.677	1.150	282	0.254	40.690	12.659	3569.827	0.250	3.185	1835.048	891.100	328.963	1220.064	2186.672	0.558
1.413	1.150	283	0.254	40.840	12.659	3582.486	0.249	3.155	1838.202	891.395	325.809	1217.204	2179.666	0.558
1.326	1.150	284	0.254	40.980	12.659	3595.145	0.249	3.150	1841.352	894.453	322.659	1217.112	2179.442	0.558
1.557	1.147	285	0.251	41.130	12.659	3607.803	0.247	3.136	1844.488	889.808	319.523	1209.331	2160.516	0.560
1.721	1.147	286	0.251	41.270	12.659	3620.462	0.246	3.117	1847.605	889.815	316.406	1206.221	2152.978	0.560
1.409	1.146	287	0.250	41.410	12.659	3633.121	0.245	3.109	1850.713	891.403	313.298	1204.701	2149.307	0.561

1.253	1.145	288	0.249	41.560	12.659	3645.780	0.245	3.102	1853.815	892.235	310.196	1202.430	2143.841	0.561
1.668	1.145	289	0.249	41.700	12.659	3658.439	0.244	3.093	1856.908	892.596	307.103	1199.698	2137.288	0.561
1.457	1.145	290	0.249	41.850	12.659	3671.098	0.244	3.088	1859.996	895.249	304.015	1199.264	2136.250	0.561
0.876	1.144	291	0.248	41.990	12.659	3683.757	0.243	3.083	1863.080	896.222	300.931	1197.153	2131.222	0.562
0.961	1.142	292	0.246	42.140	12.659	3696.416	0.241	3.066	1866.145	891.026	297.866	1188.892	2111.610	0.563
1.474	1.141	293	0.245	42.280	12.659	3709.075	0.240	3.048	1869.193	891.938	294.818	1186.755	2106.556	0.563
1.126	1.140	294	0.244	42.420	12.659	3721.734	0.240	3.039	1872.232	891.818	291.779	1183.597	2099.108	0.564
0.890	1.138	295	0.242	42.570	12.659	3734.393	0.237	3.018	1875.250	885.984	288.761	1174.745	2078.308	0.565
0.845	1.136	296	0.240	42.710	12.659	3747.052	0.235	2.991	1878.242	881.827	285.770	1167.597	2061.569	0.566
0.739	1.136	297	0.240	42.860	12.659	3759.711	0.235	2.977	1881.219	883.566	282.792	1166.359	2058.679	0.567
0.739	1.135	298	0.239	43.000	12.659	3772.370	0.234	2.968	1884.187	882.630	279.824	1162.454	2049.596	0.567
0.896	1.132	299	0.236	43.150	12.659	3785.029	0.231	2.946	1887.133	875.820	276.879	1152.698	2026.981	0.569
1.158	1.131	300	0.235	43.290	12.659	3797.688	0.231	2.926	1890.059	877.132	273.952	1151.084	2023.250	0.569
0.838	1.131	301	0.235	43.430	12.659	3810.347	0.231	2.923	1892.982	879.299	271.030	1150.329	2021.512	0.569
0.899	1.128	302	0.232	43.580	12.659	3823.006	0.228	2.902	1895.883	870.382	268.128	1138.510	1994.386	0.571
0.880	1.126	303	0.230	43.720	12.659	3835.665	0.226	2.869	1898.752	865.327	265.259	1130.586	1976.258	0.572
0.836	1.125	304	0.229	43.870	12.659	3848.324	0.225	2.853	1901.605	866.346	262.406	1128.752	1972.076	0.572
1.184	1.124	305	0.228	44.010	12.659	3860.983	0.224	2.843	1904.447	864.742	259.564	1124.305	1961.971	0.573
1.336	1.124	306	0.228	44.160	12.659	3873.642	0.224	2.833	1907.281	866.389	256.730	1123.119	1959.285	0.573
0.773	1.124	307	0.228	44.300	12.659	3886.301	0.224	2.831	1910.111	868.809	253.900	1122.709	1958.358	0.573
0.666	1.123	308	0.227	44.440	12.659	3898.960	0.223	2.825	1912.937	868.686	251.074	1119.760	1951.723	0.574
0.780	1.123	309	0.227	44.590	12.659	3911.618	0.222	2.818	1915.755	870.245	248.256	1118.501	1948.898	0.574
0.692	1.122	310	0.226	44.730	12.659	3924.277	0.222	2.811	1918.566	869.824	245.445	1115.269	1941.671	0.574
0.502	1.122	311	0.226	44.880	12.659	3936.936	0.222	2.805	1921.371	872.129	242.640	1114.769	1940.558	0.574
0.572	1.121	312	0.225	45.020	12.659	3949.595	0.221	2.800	1924.171	872.444	239.840	1112.284	1935.036	0.575
0.990	1.120	313	0.224	45.170	12.659	3962.254	0.220	2.790	1926.961	871.238	237.050	1108.288	1926.188	0.575
1.195	1.117	314	0.221	45.310	12.659	3974.913	0.217	2.765	1929.727	862.488	234.285	1096.773	1900.770	0.577
1.124	1.117	315	0.221	45.450	12.659	3987.572	0.217	2.744	1932.471	863.588	231.540	1095.128	1897.151	0.577
1.025	1.115	316	0.219	45.600	12.659	4000.231	0.215	2.730	1935.200	858.899	228.811	1087.709	1880.879	0.578
1.420	1.114	317	0.218	45.740	12.659	4012.890	0.214	2.711	1937.911	857.127	226.100	1083.227	1871.079	0.579
1.436	1.113	318	0.217	45.890	12.659	4025.549	0.213	2.699	1940.610	856.615	223.401	1080.016	1864.080	0.579
0.951	1.112	319	0.216	46.030	12.659	4038.208	0.212	2.690	1943.300	856.898	220.711	1077.609	1858.852	0.580
0.897	1.112	320	0.216	46.180	12.659	4050.867	0.212	2.684	1945.985	858.372	218.027	1076.399	1856.229	0.580
1.029	1.108	321	0.212	46.320	12.659	4063.526	0.208	2.658	1948.642	845.124	215.369	1060.493	1821.888	0.582
1.228	1.107	322	0.211	46.460	12.659	4076.185	0.207	2.628	1951.270	844.792	212.741	1057.533	1815.516	0.582
1.186	1.106	323	0.210	46.610	12.659	4088.844	0.206	2.615	1953.886	842.124	210.125	1052.249	1804.179	0.583
1.649	1.105	324	0.209	46.750	12.659	4101.503	0.205	2.601	1956.487	840.875	207.524	1048.399	1795.942	0.584
1.400	1.105	325	0.209	46.900	12.659	4114.162	0.205	2.593	1959.080	841.917	204.931	1046.848	1792.635	0.584
1.199	1.104	326	0.208	47.040	12.659	4126.821	0.204	2.589	1961.669	843.474	202.342	1045.816	1790.441	0.584
0.713	1.101	327	0.205	47.190	12.659	4139.480	0.201	2.568	1964.237	833.542	199.774	1033.316	1763.948	0.586
0.909	1.101	328	0.205	47.330	12.659	4152.139	0.201	2.547	1966.784	834.652	197.227	1031.879	1760.912	0.586
1.285	1.100	329	0.204	47.470	12.659	4164.798	0.200	2.539	1969.323	833.251	194.689	1027.940	1752.614	0.587

0.907	1.100	330	0.204	47.620	12.659	4177.457	0.200	2.532	1971.854	835.244	192.157	1027.401	1751.482	0.587
1.049	1.099	331	0.203	47.760	12.659	4190.116	0.199	2.524	1974.378	833.192	189.633	1022.824	1741.899	0.587
1.198	1.098	332	0.202	47.910	12.659	4202.775	0.198	2.514	1976.893	833.884	187.118	1021.002	1738.095	0.587
1.400	1.098	333	0.202	48.050	12.659	4215.434	0.198	2.509	1979.402	834.604	184.609	1019.214	1734.373	0.588
1.236	1.097	334	0.201	48.200	12.659	4228.092	0.197	2.501	1981.903	833.264	182.109	1015.372	1726.403	0.588
1.279	1.097	335	0.201	48.340	12.659	4240.751	0.197	2.494	1984.396	834.951	179.615	1014.566	1724.735	0.588
1.582	1.094	336	0.198	48.480	12.659	4253.410	0.194	2.475	1986.871	825.960	177.140	1003.100	1701.085	0.590
1.309	1.092	337	0.196	48.630	12.659	4266.069	0.193	2.448	1989.319	821.483	174.692	996.175	1686.843	0.591
1.144	1.092	338	0.196	48.770	12.659	4278.728	0.192	2.433	1991.753	820.939	172.259	993.197	1680.738	0.591
1.158	1.089	339	0.193	48.920	12.659	4291.387	0.190	2.414	1994.167	813.629	169.844	983.473	1660.860	0.592
1.100	1.089	340	0.193	49.060	12.659	4304.046	0.189	2.397	1996.564	814.251	167.447	981.698	1657.240	0.592
1.279	1.087	341	0.191	49.210	12.659	4316.705	0.188	2.386	1998.950	810.275	165.061	975.336	1644.311	0.593
1.780	1.087	342	0.191	49.350	12.659	4329.364	0.187	2.374	2001.324	811.253	162.687	973.940	1641.482	0.593
1.628	1.086	343	0.190	49.490	12.659	4342.023	0.187	2.367	2003.691	809.846	160.320	970.166	1633.858	0.594
0.864	1.086	344	0.190	49.640	12.659	4354.682	0.186	2.359	2006.050	810.714	157.962	968.675	1630.854	0.594
0.709	1.082	345	0.186	49.780	12.659	4367.341	0.182	2.330	2008.380	794.806	155.631	950.437	1594.219	0.596
1.147	1.081	346	0.185	49.930	12.659	4380.000	0.181	2.300	2010.679	794.161	153.332	947.493	1588.322	0.597
0.977	1.081	347	0.185	50.070	12.659	4392.659	0.181	2.294	2012.974	795.798	151.037	946.835	1587.009	0.597
0.896	1.079	348	0.183	50.220	12.659	4405.318	0.180	2.285	2015.259	792.536	148.752	941.288	1575.962	0.597
0.737	1.077	349	0.181	50.360	12.659	4417.977	0.178	2.265	2017.525	786.473	146.487	932.960	1559.425	0.598
1.359	1.077	350	0.181	50.510	12.659	4430.636	0.177	2.249	2019.773	785.273	144.238	929.511	1552.597	0.599
1.251	1.076	351	0.180	50.650	12.659	4443.295	0.177	2.242	2022.015	786.587	141.996	928.583	1550.765	0.599
0.818	1.074	352	0.178	50.790	12.659	4455.954	0.175	2.225	2024.240	777.620	139.771	917.391	1528.731	0.600
0.943	1.073	353	0.177	50.940	12.659	4468.613	0.174	2.205	2026.446	777.098	137.565	914.663	1523.376	0.600
1.167	1.068	354	0.172	51.080	12.659	4481.272	0.168	2.166	2028.612	754.347	135.399	889.746	1474.600	0.603
0.742	1.067	355	0.171	51.230	12.659	4493.931	0.168	2.126	2030.738	753.083	133.273	886.356	1467.981	0.604
0.683	1.066	356	0.170	51.370	12.659	4506.590	0.167	2.115	2032.853	750.510	131.158	881.668	1458.856	0.604
1.192	1.065	357	0.169	51.520	12.659	4519.249	0.166	2.104	2034.957	749.817	129.054	878.871	1453.427	0.605
0.791	1.061	358	0.165	51.660	12.659	4531.908	0.162	2.076	2037.033	734.395	126.978	861.373	1419.556	0.607
0.812	1.061	359	0.165	51.800	12.659	4544.566	0.162	2.050	2039.083	735.174	124.929	860.103	1417.105	0.607
0.728	1.060	360	0.164	51.950	12.659	4557.225	0.161	2.044	2041.127	734.618	122.884	857.502	1412.099	0.607
0.873	1.056	361	0.160	52.090	12.659	4569.884	0.157	2.014	2043.141	717.310	120.871	838.181	1375.010	0.610
1.276	1.055	362	0.159	52.240	12.659	4582.543	0.156	1.983	2045.123	716.045	118.888	834.933	1368.794	0.610
0.608	1.055	363	0.159	52.380	12.659	4595.202	0.156	1.976	2047.099	716.758	116.912	833.669	1366.381	0.610
0.578	1.054	364	0.158	52.530	12.659	4607.861	0.155	1.969	2049.068	714.367	114.943	829.310	1358.082	0.611
0.738	1.054	365	0.158	52.670	12.659	4620.520	0.155	1.962	2051.029	715.592	112.982	828.574	1356.684	0.611
1.073	1.053	366	0.157	52.810	12.659	4633.179	0.154	1.957	2052.986	714.833	111.025	825.858	1351.543	0.611
0.876	1.052	367	0.156	52.960	12.659	4645.838	0.153	1.946	2054.933	711.842	109.078	820.920	1342.219	0.612
1.006	1.051	368	0.155	53.100	12.659	4658.497	0.152	1.933	2056.865	708.671	107.146	815.817	1332.610	0.612
0.745	1.049	369	0.153	53.250	12.659	4671.156	0.150	1.912	2058.777	700.592	105.234	805.826	1313.848	0.613
0.807	1.042	370	0.146	53.390	12.659	4683.815	0.144	1.859	2060.636	672.871	103.375	776.246	1258.451	0.617
0.914	1.042	371	0.146	53.540	12.659	4696.474	0.143	1.813	2062.449	670.438	101.562	772.000	1250.520	0.617

1.087	1.041	372	0.145	53.680	12.659	4709.133	0.143	1.807	2064.256	672.148	99.755	771.903	1250.339	0.617
1.198	1.041	373	0.145	53.820	12.659	4721.792	0.143	1.806	2066.062	673.647	97.949	771.596	1249.769	0.617
0.882	1.041	374	0.145	53.970	12.659	4734.451	0.143	1.805	2067.868	674.983	96.143	771.126	1248.898	0.617
0.503	1.041	375	0.145	54.110	12.659	4747.110	0.142	1.802	2069.670	675.030	94.341	769.371	1245.656	0.618
0.683	1.040	376	0.144	54.260	12.659	4759.769	0.141	1.792	2071.462	670.912	92.549	763.460	1234.763	0.618
1.011	1.039	377	0.143	54.400	12.659	4772.428	0.140	1.781	2073.243	670.276	90.768	761.044	1230.322	0.619
1.867	1.039	378	0.143	54.550	12.659	4785.087	0.140	1.777	2075.020	671.130	88.991	760.121	1228.630	0.619
1.278	1.038	379	0.142	54.690	12.659	4797.746	0.140	1.772	2076.793	670.617	87.218	757.836	1224.452	0.619
0.876	1.037	380	0.141	54.830	12.659	4810.405	0.138	1.759	2078.551	664.200	85.460	749.659	1209.543	0.620
1.037	1.037	381	0.141	54.980	12.659	4823.064	0.138	1.747	2080.299	665.547	83.712	749.260	1208.816	0.620
1.304	1.037	382	0.141	55.120	12.659	4835.723	0.138	1.747	2082.045	667.205	81.966	749.170	1208.654	0.620
1.339	1.035	383	0.139	55.270	12.659	4848.382	0.136	1.736	2083.781	660.493	80.230	740.723	1193.372	0.621
1.298	1.033	384	0.137	55.410	12.659	4861.040	0.134	1.710	2085.491	651.209	78.520	729.728	1173.532	0.622
1.029	1.033	385	0.137	55.560	12.659	4873.699	0.134	1.696	2087.187	652.656	76.824	729.480	1173.085	0.622
1.108	1.031	386	0.135	55.700	12.659	4886.358	0.132	1.685	2088.872	646.678	75.139	721.818	1159.330	0.623
1.150	1.031	387	0.135	55.840	12.659	4899.017	0.132	1.675	2090.547	648.027	73.464	721.492	1158.747	0.623
1.021	1.029	388	0.133	55.990	12.659	4911.676	0.131	1.666	2092.213	642.855	71.799	714.654	1146.536	0.623
1.930	1.029	389	0.133	56.130	12.659	4924.335	0.131	1.656	2093.869	643.950	70.142	714.092	1145.535	0.623
1.458	1.029	390	0.133	56.280	12.659	4936.994	0.130	1.651	2095.520	642.134	68.491	710.626	1139.377	0.624
1.074	1.025	391	0.129	56.420	12.659	4949.653	0.126	1.623	2097.142	625.148	66.869	692.017	1106.401	0.625
1.105	1.024	392	0.128	56.570	12.659	4962.312	0.126	1.595	2098.738	624.098	65.273	689.371	1101.723	0.626
1.097	1.024	393	0.128	56.710	12.659	4974.971	0.126	1.592	2100.330	625.501	63.681	689.183	1101.392	0.626
1.037	1.023	394	0.127	56.850	12.659	4987.630	0.125	1.586	2101.915	622.408	62.096	684.503	1093.163	0.626
1.408	1.021	395	0.125	57.000	12.659	5000.289	0.123	1.569	2103.484	615.279	60.527	675.807	1077.907	0.627
1.011	1.020	396	0.124	57.140	12.659	5012.948	0.122	1.549	2105.033	609.962	58.978	668.940	1065.893	0.628
0.930	1.019	397	0.123	57.290	12.659	5025.607	0.120	1.531	2106.564	604.302	57.447	661.749	1053.343	0.628
1.117	1.018	398	0.122	57.430	12.659	5038.266	0.119	1.517	2108.081	601.324	55.930	657.254	1045.518	0.629
0.802	1.016	399	0.120	57.580	12.659	5050.925	0.118	1.501	2109.582	595.342	54.429	649.771	1032.523	0.629
0.832	1.011	400	0.115	57.720	12.659	5063.584	0.113	1.462	2111.044	572.873	52.967	625.839	991.070	0.631
1.217	1.011	401	0.115	57.860	12.659	5076.243	0.113	1.431	2112.476	573.533	51.536	625.069	989.738	0.632
0.972	1.011	402	0.115	58.010	12.659	5088.902	0.113	1.430	2113.905	574.446	50.106	624.552	988.847	0.632
0.993	1.011	403	0.115	58.150	12.659	5101.561	0.113	1.428	2115.333	575.277	48.678	623.955	987.820	0.632
1.094	1.010	404	0.114	58.300	12.659	5114.220	0.112	1.421	2116.755	571.786	47.256	619.042	979.395	0.632
1.184	1.010	405	0.114	58.440	12.659	5126.879	0.112	1.415	2118.170	573.030	45.841	618.871	979.103	0.632
1.916	1.008	406	0.112	58.590	12.659	5139.538	0.110	1.402	2119.572	564.267	44.439	608.706	961.756	0.633
1.016	1.008	407	0.112	58.730	12.659	5152.197	0.109	1.388	2120.960	563.858	43.051	606.909	958.697	0.633
0.859	1.007	408	0.111	58.870	12.659	5164.855	0.109	1.380	2122.340	561.027	41.671	602.698	951.546	0.633
1.051	1.006	409	0.110	59.020	12.659	5177.514	0.108	1.373	2123.713	560.488	40.298	600.786	948.307	0.634
1.131	1.004	410	0.108	59.160	12.659	5190.173	0.106	1.355	2125.068	549.395	38.943	588.338	927.272	0.634
0.815	1.002	411	0.106	59.310	12.659	5202.832	0.104	1.331	2126.399	543.530	37.612	581.142	915.140	0.635
0.865	1.002	412	0.106	59.450	12.659	5215.491	0.104	1.319	2127.718	541.637	36.293	577.930	909.739	0.635
1.233	0.999	413	0.103	59.600	12.659	5228.150	0.101	1.297	2129.014	528.050	34.997	563.047	884.772	0.636



1.175	0.998	414	0.102	59.740	12.659	5240.809	0.100	1.274	2130.289	525.668	33.723	559.390	878.653	0.637
0.990	0.997	415	0.101	59.880	12.659	5253.468	0.099	1.261	2131.549	519.373	32.462	551.835	866.039	0.637
1.663	0.995	416	0.099	60.030	12.659	5266.127	0.097	1.242	2132.792	513.024	31.220	544.244	853.396	0.638
1.255	0.995	417	0.099	60.170	12.659	5278.786	0.097	1.231	2134.023	512.571	29.988	542.560	850.598	0.638
0.902	0.994	418	0.098	60.320	12.659	5291.445	0.096	1.222	2135.245	508.032	28.766	536.798	841.048	0.638
0.809	0.993	419	0.097	60.460	12.659	5304.104	0.095	1.211	2136.456	505.688	27.555	533.243	835.170	0.638
1.106	0.993	420	0.097	60.610	12.659	5316.763	0.095	1.205	2137.661	505.488	26.350	531.838	832.852	0.639
1.138	0.991	421	0.095	60.750	12.659	5329.422	0.093	1.189	2138.850	494.093	25.161	519.254	812.143	0.639
1.164	0.990	422	0.094	60.890	12.659	5342.081	0.092	1.172	2140.022	493.582	23.990	517.571	809.381	0.639
0.806	0.990	423	0.094	61.040	12.659	5354.740	0.092	1.167	2141.189	492.506	22.823	515.329	805.708	0.640
0.809	0.989	424	0.093	61.180	12.659	5367.399	0.091	1.160	2142.349	490.395	21.662	512.058	800.362	0.640
0.861	0.988	425	0.092	61.330	12.659	5380.058	0.090	1.148	2143.497	484.298	20.514	504.812	788.551	0.640
1.123	0.984	426	0.088	61.470	12.659	5392.717	0.086	1.116	2144.613	465.169	19.398	484.568	755.627	0.641
1.089	0.984	427	0.088	61.620	12.659	5405.376	0.086	1.089	2145.702	463.992	18.309	482.301	751.950	0.641
0.692	0.983	428	0.087	61.760	12.659	5418.035	0.085	1.084	2146.786	462.866	17.225	480.091	748.373	0.642
0.715	0.982	429	0.086	61.900	12.659	5430.694	0.084	1.074	2147.860	457.582	16.151	473.733	738.104	0.642
0.801	0.981	430	0.085	62.050	12.659	5443.353	0.083	1.060	2148.920	452.730	15.091	467.821	728.580	0.642
0.834	0.981	431	0.085	62.190	12.659	5456.012	0.083	1.051	2149.971	452.395	14.040	466.435	726.351	0.642
0.918	0.980	432	0.084	62.340	12.659	5468.671	0.082	1.046	2151.017	450.237	12.994	463.231	721.212	0.642
1.068	0.980	433	0.084	62.480	12.659	5481.329	0.082	1.042	2152.059	451.003	11.952	462.955	720.771	0.642
0.920	0.980	434	0.084	62.630	12.659	5493.988	0.082	1.040	2153.099	450.314	10.913	461.227	718.013	0.642
0.752	0.979	435	0.083	62.770	12.659	5506.647	0.082	1.037	2154.135	450.453	9.876	460.329	716.583	0.642
0.819	0.979	436	0.083	62.910	12.659	5519.306	0.081	1.032	2155.167	448.708	8.844	457.551	712.169	0.642
1.182	0.977	437	0.081	63.060	12.659	5531.965	0.080	1.020	2156.187	441.445	7.824	449.269	699.039	0.643
1.309	0.977	438	0.081	63.200	12.659	5544.624	0.080	1.010	2157.197	442.368	6.814	449.182	698.900	0.643
0.991	0.977	439	0.081	63.350	12.659	5557.283	0.080	1.009	2158.206	442.303	5.805	448.109	697.207	0.643
1.147	0.974	440	0.078	63.490	12.659	5569.942	0.077	0.990	2159.196	428.049	4.815	432.864	673.205	0.643
1.347	0.972	441	0.076	63.640	12.659	5582.601	0.075	0.958	2160.154	416.224	3.857	420.080	653.122	0.643
1.391	0.970	442	0.074	63.780	12.659	5595.260	0.072	0.928	2161.083	403.439	2.928	406.368	631.629	0.643
1.267	0.968	443	0.072	63.920	12.659	5607.919	0.071	0.905	2161.988	397.820	2.023	399.843	621.426	0.643
1.317	0.966	444	0.070	64.070	12.659	5620.578	0.069	0.886	2162.874	387.778	1.137	388.916	604.375	0.644
1.054	0.966	445	0.070	64.210	12.659	5633.237	0.069	0.871	2163.745	386.430	0.266	386.696	600.920	0.644
0.937	0.966	446	0.070	64.360	12.659	5645.896	0.068	0.867	2164.611	385.885	-0.600	385.285	598.728	0.644
0.833	0.963	447	0.067	64.500	12.659	5658.555	0.066	0.847	2165.459	370.800	-1.448	369.352	574.035	0.643
1.124	0.962	448	0.066	64.650	12.659	5671.214	0.065	0.826	2166.285	368.351	-2.274	366.077	568.971	0.643
1.364	0.961	449	0.065	64.790	12.659	5683.873	0.064	0.817	2167.101	364.213	-3.090	361.123	561.327	0.643
1.611	0.958	450	0.062	64.940	12.659	5696.532	0.061	0.793	2167.894	348.430	-3.883	344.547	535.807	0.643
1.498	0.958	451	0.062	65.080	12.659	5709.191	0.061	0.771	2168.665	345.920	-4.654	341.267	530.769	0.643
1.782	0.957	452	0.061	65.220	12.659	5721.850	0.060	0.761	2169.426	341.399	-5.415	335.984	522.673	0.643
1.390	0.957	453	0.061	65.370	12.659	5734.509	0.059	0.754	2170.180	340.614	-6.168	334.445	520.319	0.643
1.213	0.956	454	0.060	65.510	12.659	5747.168	0.059	0.751	2170.930	340.462	-6.919	333.543	518.943	0.643
1.161	0.955	455	0.059	65.660	12.659	5759.827	0.058	0.742	2171.672	333.557	-7.661	325.896	507.300	0.642

1.104	0.955	456	0.059	65.800	12.659	5772.486	0.058	0.732	2172.404	333.434	-8.393	325.041	506.001	0.642
0.954	0.954	457	0.058	65.950	12.659	5785.145	0.057	0.728	2173.132	330.885	-9.121	321.765	501.034	0.642
0.924	0.954	458	0.058	66.090	12.659	5797.803	0.057	0.722	2173.854	329.736	-9.843	319.893	498.204	0.642
1.225	0.954	459	0.058	66.230	12.659	5810.462	0.057	0.718	2174.572	328.887	-10.561	318.326	495.838	0.642
1.010	0.954	460	0.058	66.380	12.659	5823.121	0.057	0.716	2175.288	329.405	-11.277	318.128	495.540	0.642
1.168	0.952	461	0.056	66.520	12.659	5835.780	0.055	0.707	2175.995	321.646	-11.984	309.661	482.817	0.641
1.565	0.951	462	0.055	66.670	12.659	5848.439	0.054	0.692	2176.687	317.251	-12.676	304.574	475.189	0.641
0.957	0.951	463	0.055	66.810	12.659	5861.098	0.054	0.685	2177.373	316.752	-13.362	303.390	473.417	0.641
0.833	0.950	464	0.054	66.960	12.659	5873.757	0.053	0.678	2178.051	311.465	-14.039	297.426	464.513	0.640
0.730	0.950	465	0.054	67.100	12.659	5886.416	0.053	0.670	2178.720	310.528	-14.709	295.819	462.119	0.640
0.714	0.947	466	0.051	67.240	12.659	5899.075	0.050	0.653	2179.373	296.941	-15.361	281.579	440.951	0.639
0.730	0.943	467	0.047	67.390	12.659	5911.734	0.046	0.610	2179.983	272.292	-15.972	256.320	403.482	0.635
0.702	0.942	468	0.046	67.530	12.659	5924.393	0.045	0.578	2180.561	268.048	-16.550	251.498	396.344	0.635
0.817	0.941	469	0.045	67.680	12.659	5937.052	0.044	0.564	2181.125	260.800	-17.114	243.686	384.804	0.633
0.966	0.940	470	0.044	67.820	12.659	5949.711	0.043	0.553	2181.678	258.682	-17.667	241.015	380.869	0.633
0.871	0.940	471	0.044	67.970	12.659	5962.370	0.043	0.548	2182.226	256.707	-18.215	238.492	377.157	0.632
0.857	0.939	472	0.043	68.110	12.659	5975.029	0.042	0.539	2182.765	251.698	-18.754	232.944	369.015	0.631
1.035	0.938	473	0.042	68.250	12.659	5987.688	0.041	0.526	2183.291	245.329	-19.280	226.049	358.916	0.630
0.863	0.938	474	0.042	68.400	12.659	6000.347	0.041	0.518	2183.809	245.372	-19.798	225.574	358.222	0.630
0.897	0.937	475	0.041	68.540	12.659	6013.006	0.041	0.516	2184.325	244.080	-20.314	223.766	355.586	0.629
0.799	0.937	476	0.041	68.690	12.659	6025.665	0.040	0.511	2184.836	242.133	-20.825	221.308	352.009	0.629
0.741	0.936	477	0.040	68.830	12.659	6038.324	0.039	0.502	2185.338	236.302	-21.327	214.974	342.811	0.627
0.760	0.933	478	0.037	68.980	12.659	6050.983	0.036	0.478	2185.816	219.813	-21.805	198.008	318.223	0.622
1.055	0.932	479	0.036	69.120	12.659	6063.642	0.036	0.456	2186.272	216.223	-22.260	193.963	312.372	0.621
0.877	0.932	480	0.036	69.260	12.659	6076.301	0.036	0.451	2186.723	216.255	-22.711	193.543	311.767	0.621
1.195	0.931	481	0.035	69.410	12.659	6088.960	0.034	0.442	2187.165	208.666	-23.154	185.512	300.201	0.618
0.954	0.931	482	0.035	69.550	12.659	6101.618	0.034	0.433	2187.598	208.163	-23.586	184.577	298.856	0.618
0.907	0.930	483	0.034	69.700	12.659	6114.277	0.034	0.428	2188.026	204.919	-24.015	180.905	293.591	0.616
0.805	0.930	484	0.034	69.840	12.659	6126.936	0.033	0.424	2188.450	205.107	-24.439	180.669	293.252	0.616
0.979	0.930	485	0.034	69.990	12.659	6139.595	0.033	0.422	2188.872	203.896	-24.861	179.035	290.920	0.615
0.995	0.927	486	0.031	70.130	12.659	6152.254	0.031	0.405	2189.276	188.959	-25.265	163.693	269.052	0.608
0.941	0.924	487	0.028	70.270	12.659	6164.913	0.028	0.369	2189.645	169.859	-25.634	144.225	241.360	0.598
0.678	0.923	488	0.027	70.420	12.659	6177.572	0.026	0.341	2189.986	162.202	-25.975	136.228	230.008	0.592
0.739	0.922	489	0.026	70.560	12.659	6190.231	0.025	0.325	2190.310	154.865	-26.299	128.566	219.154	0.587
1.349	0.921	490	0.025	70.710	12.659	6202.890	0.024	0.311	2190.621	149.438	-26.610	122.828	211.043	0.582
1.375	0.920	491	0.024	70.850	12.659	6215.549	0.024	0.304	2190.925	148.371	-26.914	121.457	209.109	0.581
0.920	0.920	492	0.024	71.000	12.659	6228.208	0.024	0.300	2191.225	146.393	-27.213	119.179	205.902	0.579
0.869	0.920	493	0.024	71.140	12.659	6240.867	0.023	0.297	2191.522	146.584	-27.511	119.074	205.753	0.579
0.903	0.919	494	0.023	71.280	12.659	6253.526	0.023	0.293	2191.815	143.001	-27.804	115.197	200.317	0.575
0.805	0.919	495	0.023	71.430	12.659	6266.185	0.022	0.285	2192.101	139.172	-28.090	111.082	194.560	0.571
0.718	0.918	496	0.022	71.570	12.659	6278.844	0.022	0.280	2192.380	137.973	-28.369	109.604	192.495	0.569
0.863	0.917	497	0.021	71.720	12.659	6291.503	0.021	0.270	2192.650	130.224	-28.639	101.585	181.318	0.560

---

0.974	0.916	498	0.020	71.860	12.659	6304.162	0.020	0.254	2192.905	122.995	-28.894	94.101	170.908	0.551
0.887	0.915	499	0.019	72.010	12.659	6316.821	0.018	0.240	2193.145	116.004	-29.134	86.870	160.871	0.540
1.042	0.914	500	0.018	72.150	12.659	6329.480	0.018	0.231	2193.376	114.770	-29.365	85.405	158.841	0.538
1.121	0.914	501	0.018	72.290	12.659	6342.139	0.018	0.227	2193.603	112.703	-29.592	83.112	155.670	0.534
1.067	0.913	502	0.017	72.440	12.659	6354.798	0.016	0.216	2193.818	103.437	-29.807	73.630	142.587	0.516
0.984	0.909	503	0.013	72.580	12.659	6367.457	0.013	0.186	2194.004	83.054	-29.993	53.061	114.261	0.464
0.799	0.909	504	0.013	72.730	12.659	6380.116	0.012	0.160	2194.164	78.320	-30.153	48.167	107.535	0.448
0.811	0.908	505	0.012	72.870	12.659	6392.775	0.012	0.151	2194.315	73.797	-30.304	43.493	101.124	0.430
0.845	0.907	506	0.011	73.020	12.659	6405.434	0.011	0.142	2194.457	70.085	-30.446	39.639	95.847	0.414
0.808	0.907	507	0.011	73.160	12.659	6418.092	0.011	0.138	2194.596	70.165	-30.585	39.581	95.768	0.413
0.762	0.906	508	0.010	73.300	12.659	6430.751	0.010	0.133	2194.729	64.825	-30.718	34.107	88.305	0.386
1.081	0.903	509	0.007	73.450	12.659	6443.410	0.007	0.107	2194.835	43.665	-30.824	12.841	59.364	0.216
1.585	0.902	510	0.006	73.590	12.659	6456.069	0.006	0.081	2194.917	39.297	-30.906	8.391	53.320	0.157
1.052	0.902	511	0.006	73.740	12.659	6468.728	0.006	0.074	2194.991	36.654	-30.980	5.674	49.638	0.114
0.936	0.902	512	0.006	73.880	12.659	6481.387	0.005	0.070	2195.062	35.361	-31.051	4.310	47.792	0.090
1.115	0.900	513	0.004	74.030	12.659	6494.046	0.003	0.057	2195.118	22.559	-31.107	-8.548	30.430	-0.281
1.099	0.899	514	0.003	74.170	12.659	6506.705	0.003	0.042	2195.160	20.866	-31.149	-10.283	28.092	-0.366
0.914	0.899	515	0.003	74.310	12.659	6519.364	0.003	0.040	2195.201	20.332	-31.189	-10.857	27.320	-0.397
0.839	0.898	516	0.002	74.460	12.659	6532.023	0.002	0.034	2195.234	14.586	-31.223	-16.637	19.561	-0.851
0.863	0.897	517	0.001	74.600	12.659	6544.682	0.001	0.022	2195.257	8.509	-31.246	-22.737	11.389	-1.996
0.852	0.897	518	0.001	74.750	12.659	6557.341	0.001	0.012	2195.269	3.805	-31.258	-27.453	5.083	-5.401
0.966	0.897	519	0.001	74.890	12.659	6570.000	0.001	0.007	2195.276	3.747	-31.265	-27.518	4.996	-5.508

---

## Anexo 8. SERIE HISTÓRICA DE CAUDALES PARA LA ESTACIÓN LIMNIMÉTRICA EL CORTIJO. RIO PIENDAMÓ. ESTADÍSTICA DESCRIPTIVA.

año	ene	feb	mar	abr	may	jun	jul	ago	sep	oct	nov	dic
1961						10.78	9.032	6.939	1.793	3.645	8.113	1.997
1962	1.616	1.635	3.891	2.426	8.059	9.497	11.39	9.642	3.597	7.834	4.12	5.958
1963	3.468	6.484	2.547	4.819	7.159	9.939	6.42	8.248	4.026	1.9	7.826	5.023
1964	2.845	1.443	1.064	5.435	5.336	10.08	7.076	8.519	6.43	4.348	3.994	3.131
1965	3.322	0.809	1.25	3.807	7.81	8.493	11.06	7.6	3.383	5.692	7.878	6.827
1966	2.072	1.174	5.404	3.078	2.074	2.65	8.592	7.136	3.988	2.773	10.21	12.81
1967	4.452	1.985	3.687	4.1	4.273	13.88	12.16	9.529	2.924	2.367	7.157	2.683
1968	1.372	2.823	1.675	5.776	2.222	7.524	17.72	5.186	2.24	2.676	3.882	2.513
1969	1.313	0.993	0.282	3.8	3.371	6.924	7.314	3.071	1.482	6.516	2.718	1.491
1970	2.374	4.024	3.795	3.175	5.474	6.531	4.623	5.877	3.839	3.934	6.505	2.592
1971	3.629	2.416	4.054	5.399	4.585	4.153	6.771	4.313	3.888	3.839	5.432	4.319
1972	6.077	3.387	3.739	4.653	4.676	4.72	8.07	3.836	3.976	0.795	4.187	3.587
1973	0.967	0.985	1.088	2.458	3.236	2.747	7.001	7.048	5.779	4.298	5.589	5.79
1974	4.892	7.437	6.836	5.449	6.294	4.623	11.38	5.207	4.075	3.797	4.71	3.414
1975	2.401	4.491	4.226	3.08	5.44	7.191	4.404	7.302	4.45	5.321	7.001	9.697
1976	3.6	4.217	4.245	5.189	7.658	9.227	14.66	7.099	5.865	4.821	4.44	2.828
1977	1.171	1.646	1.495	4.286	5.054	7.447	5.91	4.172	6.517	4.126	4.352	2.052
1978	3.857	1.69	2.139	5.079	3.504	5.768	4.689	5.646	2.924	2.967	1.777	2.952
1979	1.316	1.184	2.516	5.827	3.381	6.747	4.218	3.576	2.572	3.659	4.649	4.257
1980	3.029	3.436	3.355	5.39	3.894	6.752	6.403	4.158	3.636	4.443	2.471	2.187
1981	1.577	1.744	1.859	3.991	6.196	3.824	7.517	3.234	3.183	2.52	5.543	2.81
1982	5.312	3.92	3.427	5.541	5.729	4.398	10.41	7.318	4.576	3.894	3.514	4.662
1983	2.57	2.127	4.134	8.637	3.872	3.411	5.411	8.148	3.038	4.891	3.8	5.649
1984	5.768	2.582	2.097	3.083	5.938	5.711	6.625	4.334	5.052	6.393	8.018	2.579
1985	2.631	1.205	1.368	2.213	6.897	8.605	10.23	7.235	4.381	3.955	4.014	3.532
1986	3.145	3.81	6.524	3	2.387	11.25	11.54	4.039	3.426	5.037	3.926	2.428

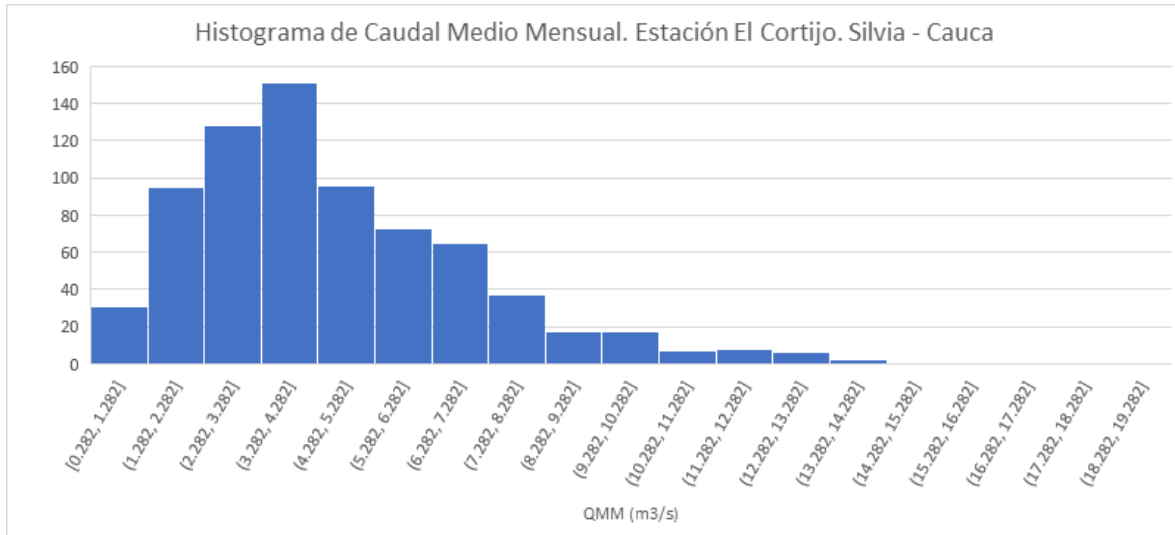
1987	1.164	2.031	1.449	4.199	5.109	4.727	7.009	7.397	2.443	4.259	4.337	3.715
1988	0.92	0.77	0.62	2.16	3.13	5.79	11.61	2.9	3.22	3.67	5.95	4.54
1989	2.732	3.023	3.806	2.196	7.559	5.584	6.631	2.702	3.058	2.745	2.273	2.412
1990	2.25	3.51	3.82	3.23	7.11	7.1	6.86	6.13	2.25	2.92	3.95	3.74
1991	1.04	1.12	2.43	2.23	4.1	3.85	9.83	9.8	3.52	1.4	4.14	1.4
1992	0.694	0.852	0.524	3.592	2.163	4.241	8.324	5.999	2.149	1.396	3.055	3.105
1993	3.15	1.95	3.83	4.03	5.35	6.31	5.47	3.58	3.08	2.36	4.23	2.18
1994	3.03	2.83	3.33	5.26	4.98	7.74	6.87	7.16	4.55	4.98	4.67	3.66
1995	1.36	0.79	2.01	4.44	4.21	3.67	5.17	2.63	2.12	3.56	3.24	2.36
1996	2.704	4.463	5.886	4.271	4.614	5.065	8.646	4.428	1.921	4.094	3.026	3.254
1997	7.425	3.707	2.435	1.813	5.995	3.041	13.94	5.005	1.505	1.944	2.972	1.465
1998	0.449	1.308	0.638	2.118	4.074	9.399	8.143	3.654	2.08	5.315	6.265	4.456
1999	6.54	7.71	4.67	9.18	5.07	4.17	5.43	4.13	3.98	4.13	5.18	6.69
2000	5.6	4.36	4.18	3.56	6.57	4.19	4.86	5.72	4.83	4.21	2.84	3.23
2001	1.83	1.85	1.8	3.1	3.02	9.9	5.69	5.97	2.85	1.9	2.76	4.32
2002	2.16	1.68	1.45	5.08	3.68	12.93	8.11	6.59	2.07	1.9	2.99	3.2
2003	1.35	1.38	3.56	4.98	8.11	4.66	7.27	3.14	2.22	2.88	3.14	3.88
2004	3.477	1.56	2.132	4.314	2.994	8.627	6.061	8.017	2.485	4.136	6.358	3.633
2005	3.555	3.118	1.845	5.928	5.682	5.11	5.326	6.592	4.1	4.107	4.53	5.779
2006	4.162	3.191	4.601	6.113	5.907	9.189	9.816	4.326	2.436	3.502	5.393	3.931
2007	1.491	1.185	1.739	3.773	5.145	12.96	4.335	5.714	2.46	10.01	6.581	6.504
2008	2.676	4.911	5.941	4.688	6.075	6.994	9.452	3.916	3.262	3.43	8.391	6.609
2009	2.669	3.591	3.322	2.942	2.179	4.147	7.169	6.431	1.861	1.874	2.668	1.107
2010	0.801	0.973	1.076	4.884	4.992	5.498	5.364	2.961	1.771	2.759	8.867	4.91
2011	1.918	4.751	7.499	8.932	10.93	7.776	9.748	2.657	3.112	6.705	8.498	10.59
2012	4.861	3.731	2.625	6.955	3.277	5.416	6.14	5.984	3.323	3.694	1.931	2.934
2013	1.282	1.838	2.825	3.81	3.169	4.208	9.722	6.09	4.306	1.973	6.609	4.506
2014	2.621	1.755	3.566	3.422	3.982	12.94	12.4	8.451	3.659	4.702	4.659	4.082
2015	1.428	4.939	2.695	5.342	3.862	18.36	11.69	8.201	3.32	2.698	3.073	1.36

2016	1.33	1.344	3.223	4.833	6.38	11.88	12.02	6.487	4.783	3.1	2.65	2.439
2017	5.695	1.901	6.737	4.626	10.62	7.08	13.09	5.644	2.918	2.609	6.718	3.621
2018	4.471	3.166	2.549	8.218	4.284	7.354	6.456	4.672	2.891	3.47	3.932	3.402
2019	1.77	1.32	2.251	3.953	5.142	7.744	6.216	6.762	3.339	3.816	4.862	3.668
2020	2.176	1.907	2.609	2.25	3.828	4.627	4.18	3.564	2.388	1.854	4.216	3.453
2021	2.771	3.629	6.508	3.877	7.355	8.005	6.675	4.748	2.545	5.679	5.451	2.768
2022	5.099	5.099	7.212	3.145	7.013	5.809	8.274	2.861	3.167	6.361	5.204	4.783

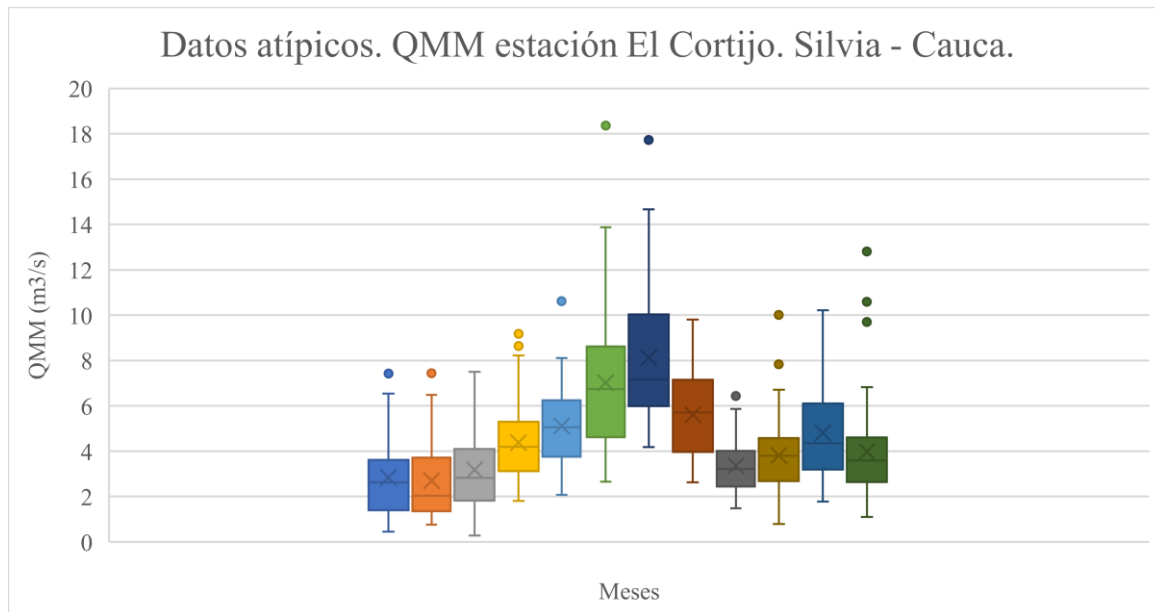
Estadística descriptiva para los caudales en la estación El Cortijo. Silvia Cauca. Código: 26027090

<i>QMM (m3/s)</i>	
Media	4.58835427
Error típico	0.09547696
Mediana	4.088
Moda	1.9
Desviación estándar	2.59022507
Varianza de la muestra	6.7092659
Curtosis	2.69290244
Coefficiente de asimetría	1.31296661
Rango	18.078
Mínimo	0.282
Máximo	18.36
Suma	3377.02874
Cuenta	736
Mayor (1)	18.36
Menor(1)	0.282
Nivel de confianza(95.0%)	0.18744007

Histograma de caudales medios mensuales en la estación El Cortijo. Código 26027090



Distribución mensual de caudales en la estación limnimétrica El Cortijo. Datos atípicos. Diagrama de cajas y bigotes.



**Anexo 9 SERIE SIMULADA DE CAUDAL CON EL MODELO SARIMAX (14,0,12). RIO PIENDAMÓ.**

año	ene	feb	mar	abr	may	jun	jul	ago	sep	oct	nov	dic
1962								6.432	5.228	3.962	5.27	3.095
1963	3.355	2.917	4.184	3.228	5.889	7.32	7.258	4.81	4.157	3.923	2.599	3.673
1964	3.207	2.823	2.204	2.594	6.965	7.618	8.093	6.216	4.434	5.041	4.867	3.56
1965	2.492	2.493	1.617	2.608	5.089	7.934	7.12	6.41	3.978	3.227	4.261	3.826
1966	2.96	1.762	1.82	4.955	5.927	5.181	4.923	6.347	4.517	4.198	4.178	4.955
1967	3.9	2.496	2.573	4.034	5.106	6.442	10.29	7.735	5.116	3.882	4.355	4.705
1968	2.266	1.624	2.874	2.938	6.107	5.518	7.429	7.868	3.55	3.063	4.247	3.178
1969	1.91	1.497	1.727	1.456	4.069	6.885	8.409	5.267	2.657	2.5	5.545	2.89
1970	1.555	1.743	2.818	4.779	4.874	9.031	9.232	4.892	3.686	4.309	4.951	4.371
1971	2.508	2.461	2.432	4.522	5.933	7.86	6.929	5.73	3.395	4.274	4.812	4.11
1972	2.863	2.845	2.746	4.036	4.833	6.377	6.124	4.9	2.917	3.351	2.208	2.815
1973	2.515	1.442	1.695	2.711	4.16	6.243	6.408	5.754	4.325	4.561	5.84	4.481
1974	3.427	2.804	3.732	5.357	5.563	7.423	7.495	6.665	3.846	3.742	5.097	4.143
1975	2.696	2.29	3.057	4.106	4.523	6.97	9.245	5.036	4.447	3.989	5.612	5.176
1976	4.574	2.865	2.917	3.951	5.055	6.646	8.614	7.248	3.973	3.726	4.753	3.792
1977	2.316	1.762	1.991	2.731	4.644	6.075	8.297	5.679	3.421	3.843	4.41	3.668
1978	2.145	2.755	2.254	3.274	5.368	5.657	7.36	5.478	4.23	3.025	3.73	2.602
1979	2.59	1.857	1.856	3.175	5.059	5.409	7.408	4.916	3.238	2.73	3.639	3.727
1980	2.81	2.555	3.089	3.877	4.798	5.475	7.036	5.97	3.789	3.448	4.033	3.087
1981	2.434	2.123	2.378	3.111	4.268	6.621	5.875	6.22	3.542	3.203	3.236	3.908
1982	2.49	3.127	3.31	4.028	4.638	5.767	5.804	5.821	4.11	3.185	3.254	2.74
1983	2.603	2.147	2.33	3.824	5.013	4.757	5.443	4.816	4.893	3.534	4.425	3.752



1984	3.441	3.221	2.991	3.527	3.91	6.075	7.074	5.716	3.825	4.139	4.841	5.361
1985	2.923	2.392	2.882	3.037	3.008	3.982	7.323	6.556	5.694	4.974	4.115	3.629
1986	3.261	2.644	2.795	4.193	5.633	4.925	4.789	6.546	5.448	3.584	3.299	3.506
1987	2.894	2.134	1.841	2.971	2.697	4.737	6.422	4.683	3.844	4.261	3.11	3.231
1988	2.975	2.694	1.904	2.268	2.555	4.534	6.36	6.273	5.63	3.525	4.033	3.743
1989	3.61	2.675	2.791	3.662	4.981	4.276	8.108	6.404	4.255	3.105	3.719	3.249
1990	2.39	1.939	2.42	3.535	4.474	5.284	7.502	6.694	4.206	4.11	3.272	3.226
1991	2.907	2.445	1.903	2.263	3.535	4.329	5.664	5.269	4.709	4.286	3.571	2.406
1992	2.645	1.496	1.462	1.928	1.938	5.112	5.124	5.926	4.723	3.621	3.093	2.798
1993	2.476	1.955	2.561	2.708	4.43	5.567	7.075	7.226	4.096	2.711	3.185	3.464
1994	2.96	1.934	2.558	3.458	4.539	6.076	7.083	7.803	4.653	3.346	3.357	4.383
1995	3.088	2.377	1.934	2.157	3.859	5.666	6.631	6.346	4.663	2.694	2.847	4.073
1996	2.931	2.002	2.329	4.299	6.097	5.878	6.74	6.725	5.374	3.337	2.822	4.228
1997	2.956	2.366	3.399	3.797	3.748	3.453	5.772	4.687	4.827	2.702	2.065	2.334
1998	2.338	1.635	1.064	1.984	2.186	4.286	6.228	9.488	5.357	2.998	3.017	4.562
1999	3.952	2.835	3.353	4.599	5.674	8.437	7.336	6.929	4.479	3.223	4.192	4.413
2000	3.816	3.465	3.199	3.324	5.115	5.537	7.462	6.783	4.185	3.479	4.231	4.29
2001	2.962	2.552	2.045	2.346	3.418	4.994	5.287	8.683	5.098	3.594	3.385	3.071
2002	2.921	2.756	2.167	2.271	3.026	5.427	5.905	8.713	5.256	3.374	2.512	2.777
2003	3.015	2.378	1.832	2.204	4.778	5.966	8.039	6.21	5.162	2.585	2.577	3.329
2004	3.112	2.497	2.604	2.434	3.84	5.499	5.537	7.44	4.663	3.632	2.845	3.819
2005	4.168	2.651	2.498	3.082	3.531	5.906	7.319	6.411	4.78	3.539	4.012	4.486
2006	3.763	3.071	2.754	3.067	5.078	6.071	7.198	7.723	5.744	2.9	2.691	3.482
2007	3.767	2.81	1.916	2.174	3.661	5.105	7.259	9.72	4.99	3.693	3.362	6.125
2008	4.66	3.354	2.329	3.572	5.675	5.794	7.084	6.46	5.891	3.099	3.567	3.913
2009	4.546	3.253	2.527	3.093	4.12	4.55	4.787	5.164	4.799	3.515	2.719	2.811
2010	2.678	1.495	1.452	1.84	2.685	5.625	7.649	7.18	5.099	2.957	3.06	3.891
2011	4.486	2.878	2.272	3.425	5.927	6.912	9.332	7.882	6.01	2.923	3.755	5.502
2012	4.267	3.558	3.339	3.356	3.9	5.728	5.423	6.073	4.464	3.71	3.843	4.537

2013	2.698	2.181	1.853	2.515	4.282	4.927	5.725	6.044	5.42	3.715	4.088	3.372
2014	4.129	2.742	2.513	2.48	4.039	4.24	5.905	9.035	5.993	3.948	3.455	4.583
2015	3.591	2.45	1.959	3.418	3.591	4.662	5.493	8.691	5.091	3.35	2.9	3.172
2016	2.599	1.465	1.8	2.225	4.078	5.198	8.49	8.91	6.057	3.748	4	4.044
2017	2.797	1.944	3.209	2.712	5.135	5.313	9.482	9.344	4.96	2.777	3.095	5.259
2018	3.673	2.92	2.755	3.281	5.514	5.297	7.877	6.585	3.979	2.564	3.057	3.593
2019	3.24	1.966	1.784	2.955	3.909	5.581	7.963	6.51	4.824	3.092	2.735	2.783
2020	2.77	2.225	2.812	4.06	4.54	5.236	5.087	4.124	4.063	3.24	3.525	3.78
2021	4.151	3.152	3.888	5.199	5.151	5.248	5.067	6.45	4.539	3.083	3.299	4.571
2022	4.591	3.193	3.773	4.453	5.442	4.369	5.514	6.744	4.656			

---

## Anexo 10 DATOS PARA CURVA DE DURACIÓN DE CAUDALES. RIO PIENDAMÓ.

QMM ORDENADO (M3/S)	NÚMERO DE ORDEN	PROBABILIDAD EN %	QMM ORDENADO (M3/S)	NÚMERO DE ORDEN	PROBABILIDAD EN %
18.4	1	0.1359	9.2	45	6.1141
17.7	2	0.2717	9.2	46	6.2500
14.7	3	0.4076	9.0	47	6.3859
13.9	4	0.5435	8.9	48	6.5217
13.9	5	0.6793	8.9	49	6.6576
13.1	6	0.8152	8.6	50	6.7935
13.0	7	0.9511	8.6	51	6.9293
12.9	8	1.0870	8.6	52	7.0652
12.9	9	1.2228	8.6	53	7.2011
12.8	10	1.3587	8.6	54	7.3370
12.4	11	1.4946	8.5	55	7.4728
12.2	12	1.6304	8.5	56	7.6087
12.0	13	1.7663	8.5	57	7.7446
11.9	14	1.9022	8.5	58	7.8804
11.7	15	2.0380	8.4	59	8.0163
11.6	16	2.1739	8.3	60	8.1522
11.5	17	2.3098	8.3	61	8.2880
11.4	18	2.4457	8.2	62	8.4239
11.4	19	2.5815	8.2	63	8.5598
11.3	20	2.7174	8.2	64	8.6957
11.1	21	2.8533	8.1	65	8.8315
10.9	22	2.9891	8.1	66	8.9674
10.8	23	3.1250	8.1	67	9.1033
10.6	24	3.2609	8.1	68	9.2391
10.6	25	3.3967	8.1	69	9.3750
10.4	26	3.5326	8.1	70	9.5109
10.2	27	3.6685	8.1	71	9.6467
10.2	28	3.8043	8.0	72	9.7826
10.1	29	3.9402	8.0	73	9.9185
10.0	30	4.0761	8.0	74	10.0543
9.9	31	4.2120	7.9	75	10.1902
9.9	32	4.3478	7.8	76	10.3261
9.8	33	4.4837	7.8	77	10.4620
9.8	34	4.6196	7.8	78	10.5978
9.8	35	4.7554	7.8	79	10.7337
9.7	36	4.8913	7.7	80	10.8696

9.7	37	5.0272	7.7	81	11.0054
9.7	38	5.1630	7.7	82	11.1413
9.6	39	5.2989	7.7	83	11.2772
9.5	40	5.4348	7.6	84	11.4130
9.5	41	5.5707	7.6	85	11.5489
9.5	42	5.7065	7.5	86	11.6848
9.4	43	5.8424	7.5	87	11.8207
9.2	44	5.9783	7.5	88	11.9565
7.4	89	12.0924	6.6	136	18.4783
7.4	90	12.2283	6.6	137	18.6141
7.4	91	12.3641	6.6	138	18.7500
7.4	92	12.5000	6.6	139	18.8859
7.4	93	12.6359	6.6	140	19.0217
7.4	94	12.7717	6.6	141	19.1576
7.3	95	12.9076	6.5	142	19.2935
7.3	96	13.0435	6.5	143	19.4293
7.3	97	13.1793	6.5	144	19.5652
7.3	98	13.3152	6.5	145	19.7011
7.2	99	13.4511	6.5	146	19.8370
7.2	100	13.5870	6.5	147	19.9728
7.2	101	13.7228	6.5	148	20.1087
7.2	102	13.8587	6.5	149	20.2446
7.2	103	13.9946	6.5	150	20.3804
7.2	104	14.1304	6.5	151	20.5163
7.2	105	14.2663	6.5	152	20.6522
7.1	106	14.4022	6.4	153	20.7880
7.1	107	14.5380	6.4	154	20.9239
7.1	108	14.6739	6.4	155	21.0598
7.1	109	14.8098	6.4	156	21.1957
7.1	110	14.9457	6.4	157	21.3315
7.0	111	15.0815	6.4	158	21.4674
7.0	112	15.2174	6.4	159	21.6033
7.0	113	15.3533	6.4	160	21.7391
7.0	114	15.4891	6.3	161	21.8750
7.0	115	15.6250	6.3	162	22.0109
7.0	116	15.7609	6.3	163	22.1467
7.0	117	15.8967	6.2	164	22.2826
6.9	118	16.0326	6.2	165	22.4185
6.9	119	16.1685	6.1	166	22.5543
6.9	120	16.3043	6.1	167	22.6902
6.9	121	16.4402	6.1	168	22.8261
6.9	122	16.5761	6.1	169	22.9620

6.8	123	16.7120	6.1	170	23.0978
6.8	124	16.8478	6.1	171	23.2337
6.8	125	16.9837	6.1	172	23.3696
6.8	126	17.1196	6.0	173	23.5054
6.8	127	17.2554	6.0	174	23.6413
6.7	128	17.3913	6.0	175	23.7772
6.7	129	17.5272	6.0	176	23.9130
6.7	130	17.6630	6.0	177	24.0489
6.7	131	17.7989	6.0	178	24.1848
6.7	132	17.9348	5.9	179	24.3207
6.7	133	18.0707	5.9	180	24.4565
6.6	134	18.2065	5.9	181	24.5924
6.6	135	18.3424	5.9	182	24.7283
5.9	183	24.8641	5.3	230	31.2500
5.9	184	25.0000	5.3	231	31.3859
5.9	185	25.1359	5.3	232	31.5217
5.9	186	25.2717	5.3	233	31.6576
5.8	187	25.4076	5.3	234	31.7935
5.8	188	25.5435	5.3	235	31.9293
5.8	189	25.6793	5.3	236	32.0652
5.8	190	25.8152	5.2	237	32.2011
5.8	191	25.9511	5.2	238	32.3370
5.8	192	26.0870	5.2	239	32.4728
5.8	193	26.2228	5.2	240	32.6087
5.8	194	26.3587	5.2	241	32.7446
5.8	195	26.4946	5.2	242	32.8804
5.7	196	26.6304	5.1	243	33.0163
5.7	197	26.7663	5.1	244	33.1522
5.7	198	26.9022	5.1	245	33.2880
5.7	199	27.0380	5.1	246	33.4239
5.7	200	27.1739	5.1	247	33.5598
5.7	201	27.3098	5.1	248	33.6957
5.7	202	27.4457	5.1	249	33.8315
5.7	203	27.5815	5.1	250	33.9674
5.7	204	27.7174	5.1	251	34.1033
5.6	205	27.8533	5.1	252	34.2391
5.6	206	27.9891	5.1	253	34.3750
5.6	207	28.1250	5.0	254	34.5109
5.6	208	28.2609	5.0	255	34.6467
5.6	209	28.3967	5.0	256	34.7826
5.6	210	28.5326	5.0	257	34.9185
5.5	211	28.6685	5.0	258	35.0543

5.5	212	28.8043	5.0	259	35.1902
5.5	213	28.9402	5.0	260	35.3261
5.5	214	29.0761	4.9	261	35.4620
5.5	215	29.2120	4.9	262	35.5978
5.5	216	29.3478	4.9	263	35.7337
5.4	217	29.4837	4.9	264	35.8696
5.4	218	29.6196	4.9	265	36.0054
5.4	219	29.7554	4.9	266	36.1413
5.4	220	29.8913	4.9	267	36.2772
5.4	221	30.0272	4.9	268	36.4130
5.4	222	30.1630	4.8	269	36.5489
5.4	223	30.2989	4.8	270	36.6848
5.4	224	30.4348	4.8	271	36.8207
5.4	225	30.5707	4.8	272	36.9565
5.4	226	30.7065	4.8	273	37.0924
5.4	227	30.8424	4.8	274	37.2283
5.4	228	30.9783	4.8	275	37.3641
5.4	229	31.1141	4.7	276	37.5000
4.7	277	37.6359	4.3	324	44.0217
4.7	278	37.7717	4.3	325	44.1576
4.7	279	37.9076	4.3	326	44.2935
4.7	280	38.0435	4.3	327	44.4293
4.7	281	38.1793	4.3	328	44.5652
4.7	282	38.3152	4.3	329	44.7011
4.7	283	38.4511	4.3	330	44.8370
4.7	284	38.5870	4.3	331	44.9728
4.7	285	38.7228	4.3	332	45.1087
4.7	286	38.8587	4.3	333	45.2446
4.7	287	38.9946	4.3	334	45.3804
4.7	288	39.1304	4.3	335	45.5163
4.7	289	39.2663	4.2	336	45.6522
4.7	290	39.4022	4.2	337	45.7880
4.6	291	39.5380	4.2	338	45.9239
4.6	292	39.6739	4.2	339	46.0598
4.6	293	39.8098	4.2	340	46.1957
4.6	294	39.9457	4.2	341	46.3315
4.6	295	40.0815	4.2	342	46.4674
4.6	296	40.2174	4.2	343	46.6033
4.6	297	40.3533	4.2	344	46.7391
4.6	298	40.4891	4.2	345	46.8750
4.6	299	40.6250	4.2	346	47.0109
4.6	300	40.7609	4.2	347	47.1467

4.5	301	40.8967	4.2	348	47.2826
4.5	302	41.0326	4.2	349	47.4185
4.5	303	41.1685	4.2	350	47.5543
4.5	304	41.3043	4.2	351	47.6902
4.5	305	41.4402	4.2	352	47.8261
4.5	306	41.5761	4.2	353	47.9620
4.5	307	41.7120	4.2	354	48.0978
4.5	308	41.8478	4.2	355	48.2337
4.5	309	41.9837	4.1	356	48.3696
4.4	310	42.1196	4.1	357	48.5054
4.4	311	42.2554	4.1	358	48.6413
4.4	312	42.3913	4.1	359	48.7772
4.4	313	42.5272	4.1	360	48.9130
4.4	314	42.6630	4.1	361	49.0489
4.4	315	42.7989	4.1	362	49.1848
4.4	316	42.9348	4.1	363	49.3207
4.4	317	43.0707	4.1	364	49.4565
4.4	318	43.2065	4.1	365	49.5924
4.3	319	43.3424	4.1	366	49.7283
4.3	320	43.4783	4.1	367	49.8641
4.3	321	43.6141	4.1	368	50.0000
4.3	322	43.7500	4.1	369	50.1359
4.3	323	43.8859	4.1	370	50.2717
4.1	371	50.4076	3.8	418	56.7935
4.1	372	50.5435	3.8	419	56.9293
4.0	373	50.6793	3.7	420	57.0652
4.0	374	50.8152	3.7	421	57.2011
4.0	375	50.9511	3.7	422	57.3370
4.0	376	51.0870	3.7	423	57.4728
4.0	377	51.2228	3.7	424	57.6087
4.0	378	51.3587	3.7	425	57.7446
4.0	379	51.4946	3.7	426	57.8804
4.0	380	51.6304	3.7	427	58.0163
4.0	381	51.7663	3.7	428	58.1522
4.0	382	51.9022	3.7	429	58.2880
4.0	383	52.0380	3.7	430	58.4239
4.0	384	52.1739	3.7	431	58.5598
4.0	385	52.3098	3.7	432	58.6957
4.0	386	52.4457	3.7	433	58.8315
3.9	387	52.5815	3.7	434	58.9674
3.9	388	52.7174	3.6	435	59.1033
3.9	389	52.8533	3.6	436	59.2391

3.9	390	52.9891	3.6	437	59.3750
3.9	391	53.1250	3.6	438	59.5109
3.9	392	53.2609	3.6	439	59.6467
3.9	393	53.3967	3.6	440	59.7826
3.9	394	53.5326	3.6	441	59.9185
3.9	395	53.6685	3.6	442	60.0543
3.9	396	53.8043	3.6	443	60.1902
3.9	397	53.9402	3.6	444	60.3261
3.9	398	54.0761	3.6	445	60.4620
3.9	399	54.2120	3.6	446	60.5978
3.9	400	54.3478	3.6	447	60.7337
3.9	401	54.4837	3.6	448	60.8696
3.9	402	54.6196	3.6	449	61.0054
3.9	403	54.7554	3.6	450	61.1413
3.8	404	54.8913	3.6	451	61.2772
3.8	405	55.0272	3.6	452	61.4130
3.8	406	55.1630	3.6	453	61.5489
3.8	407	55.2989	3.5	454	61.6848
3.8	408	55.4348	3.5	455	61.8207
3.8	409	55.5707	3.5	456	61.9565
3.8	410	55.7065	3.5	457	62.0924
3.8	411	55.8424	3.5	458	62.2283
3.8	412	55.9783	3.5	459	62.3641
3.8	413	56.1141	3.5	460	62.5000
3.8	414	56.2500	3.5	461	62.6359
3.8	415	56.3859	3.5	462	62.7717
3.8	416	56.5217	3.5	463	62.9076
3.8	417	56.6576	3.4	464	63.0435
3.4	465	63.1793	3.1	512	69.5652
3.4	466	63.3152	3.1	513	69.7011
3.4	467	63.4511	3.1	514	69.8370
3.4	468	63.5870	3.1	515	69.9728
3.4	469	63.7228	3.1	516	70.1087
3.4	470	63.8587	3.1	517	70.2446
3.4	471	63.9946	3.1	518	70.3804
3.4	472	64.1304	3.1	519	70.5163
3.4	473	64.2663	3.0	520	70.6522
3.4	474	64.4022	3.0	521	70.7880
3.4	475	64.5380	3.0	522	70.9239
3.4	476	64.6739	3.0	523	71.0598
3.4	477	64.8098	3.0	524	71.1957
3.3	478	64.9457	3.0	525	71.3315



3.3	479	65.0815	3.0	526	71.4674
3.3	480	65.2174	3.0	527	71.6033
3.3	481	65.3533	3.0	528	71.7391
3.3	482	65.4891	3.0	529	71.8750
3.3	483	65.6250	3.0	530	72.0109
3.3	484	65.7609	3.0	531	72.1467
3.3	485	65.8967	3.0	532	72.2826
3.2	486	66.0326	3.0	533	72.4185
3.2	487	66.1685	2.9	534	72.5543
3.2	488	66.3043	2.9	535	72.6902
3.2	489	66.4402	2.9	536	72.8261
3.2	490	66.5761	2.9	537	72.9620
3.2	491	66.7120	2.9	538	73.0978
3.2	492	66.8478	2.9	539	73.2337
3.2	493	66.9837	2.9	540	73.3696
3.2	494	67.1196	2.9	541	73.5054
3.2	495	67.2554	2.9	542	73.6413
3.2	496	67.3913	2.9	543	73.7772
3.2	497	67.5272	2.9	544	73.9130
3.2	498	67.6630	2.8	545	74.0489
3.2	499	67.7989	2.8	546	74.1848
3.2	500	67.9348	2.8	547	74.3207
3.1	501	68.0707	2.8	548	74.4565
3.1	502	68.2065	2.8	549	74.5924
3.1	503	68.3424	2.8	550	74.7283
3.1	504	68.4783	2.8	551	74.8641
3.1	505	68.6141	2.8	552	75.0000
3.1	506	68.7500	2.8	553	75.1359
3.1	507	68.8859	2.8	554	75.2717
3.1	508	69.0217	2.8	555	75.4076
3.1	509	69.1576	2.8	556	75.5435
3.1	510	69.2935	2.7	557	75.6793
3.1	511	69.4293	2.7	558	75.8152
2.7	559	75.9511	2.4	606	82.3370
2.7	560	76.0870	2.4	607	82.4728
2.7	561	76.2228	2.4	608	82.6087
2.7	562	76.3587	2.4	609	82.7446
2.7	563	76.4946	2.3	610	82.8804
2.7	564	76.6304	2.3	611	83.0163
2.7	565	76.7663	2.3	612	83.1522
2.7	566	76.9022	2.3	613	83.2880
2.7	567	77.0380	2.2	614	83.4239

2.7	568	77.1739	2.2	615	83.5598
2.7	569	77.3098	2.2	616	83.6957
2.7	570	77.4457	2.2	617	83.8315
2.7	571	77.5815	2.2	618	83.9674
2.7	572	77.7174	2.2	619	84.1033
2.6	573	77.8533	2.2	620	84.2391
2.6	574	77.9891	2.2	621	84.3750
2.6	575	78.1250	2.2	622	84.5109
2.6	576	78.2609	2.2	623	84.6467
2.6	577	78.3967	2.2	624	84.7826
2.6	578	78.5326	2.2	625	84.9185
2.6	579	78.6685	2.2	626	85.0543
2.6	580	78.8043	2.2	627	85.1902
2.6	581	78.9402	2.1	628	85.3261
2.6	582	79.0761	2.1	629	85.4620
2.6	583	79.2120	2.1	630	85.5978
2.5	584	79.3478	2.1	631	85.7337
2.5	585	79.4837	2.1	632	85.8696
2.5	586	79.6196	2.1	633	86.0054
2.5	587	79.7554	2.1	634	86.1413
2.5	588	79.8913	2.1	635	86.2772
2.5	589	80.0272	2.1	636	86.4130
2.5	590	80.1630	2.1	637	86.5489
2.5	591	80.2989	2.1	638	86.6848
2.5	592	80.4348	2.1	639	86.8207
2.5	593	80.5707	2.0	640	86.9565
2.4	594	80.7065	2.0	641	87.0924
2.4	595	80.8424	2.0	642	87.2283
2.4	596	80.9783	2.0	643	87.3641
2.4	597	81.1141	2.0	644	87.5000
2.4	598	81.2500	2.0	645	87.6359
2.4	599	81.3859	1.9	646	87.7717
2.4	600	81.5217	1.9	647	87.9076
2.4	601	81.6576	1.9	648	88.0435
2.4	602	81.7935	1.9	649	88.1793
2.4	603	81.9293	1.9	650	88.3152
2.4	604	82.0652	1.9	651	88.4511
2.4	605	82.2011	1.9	652	88.5870
1.9	653	88.7228	1.3	700	95.1087
1.9	654	88.8587	1.3	701	95.2446
1.9	655	88.9946	1.3	702	95.3804
1.9	656	89.1304	1.3	703	95.5163

1.9	657	89.2663	1.3	704	95.6522
1.9	658	89.4022	1.3	705	95.7880
1.9	659	89.5380	1.3	706	95.9239
1.8	660	89.6739	1.2	707	96.0598
1.8	661	89.8098	1.2	708	96.1957
1.8	662	89.9457	1.2	709	96.3315
1.8	663	90.0815	1.2	710	96.4674
1.8	664	90.2174	1.2	711	96.6033
1.8	665	90.3533	1.2	712	96.7391
1.8	666	90.4891	1.1	713	96.8750
1.8	667	90.6250	1.1	714	97.0109
1.8	668	90.7609	1.1	715	97.1467
1.8	669	90.8967	1.1	716	97.2826
1.7	670	91.0326	1.1	717	97.4185
1.7	671	91.1685	1.0	718	97.5543
1.7	672	91.3043	1.0	719	97.6902
1.7	673	91.4402	1.0	720	97.8261
1.7	674	91.5761	1.0	721	97.9620
1.6	675	91.7120	1.0	722	98.0978
1.6	676	91.8478	0.9	723	98.2337
1.6	677	91.9837	0.9	724	98.3696
1.6	678	92.1196	0.8	725	98.5054
1.6	679	92.2554	0.8	726	98.6413
1.5	680	92.3913	0.8	727	98.7772
1.5	681	92.5272	0.8	728	98.9130
1.5	682	92.6630	0.8	729	99.0489
1.5	683	92.7989	0.7	730	99.1848
1.5	684	92.9348	0.6	731	99.3207
1.5	685	93.0707	0.6	732	99.4565
1.5	686	93.2065	0.5	733	99.5924
1.4	687	93.3424	0.4	734	99.7283
1.4	688	93.4783	0.3	735	99.8641
1.4	689	93.6141			
1.4	690	93.7500			
1.4	691	93.8859			
1.4	692	94.0217			
1.4	693	94.1576			
1.4	694	94.2935			
1.4	695	94.4293			
1.4	696	94.5652			
1.4	697	94.7011			
1.4	698	94.8370			

## Escenario La Niña

QMM NIÑA ORDENADO (m <sup>3</sup> /s)	Número de orden	probabilidad %	QMM NIÑA ORDENADO (m <sup>3</sup> /s)	Número de orden	probabilidad %
12.96	1	0.4717	6.58	44	20.7547
12.02	2	0.9434	6.57	45	21.2264
11.61	3	1.4151	6.54	46	21.6981
11.38	4	1.8868	6.51	47	22.1698
10.59	5	2.3585	6.51	48	22.6415
10.23	6	2.8302	6.50	49	23.1132
10.08	7	3.3019	6.49	50	23.5849
10.01	8	3.7736	6.43	51	24.0566
9.75	9	4.2453	6.39	52	24.5283
9.70	10	4.7170	6.36	53	25.0000
9.40	11	5.1887	6.29	54	25.4717
9.18	12	5.6604	6.27	55	25.9434
8.93	13	6.1321	6.08	56	26.4151
8.87	14	6.6038	6.08	57	26.8868
8.61	15	7.0755	5.95	58	27.3585
8.52	16	7.5472	5.94	59	27.8302
8.50	17	8.0189	5.88	60	28.3019
8.39	18	8.4906	5.81	61	28.7736
8.27	19	8.9623	5.79	62	29.2453
8.22	20	9.4340	5.79	63	29.7170
8.14	21	9.9057	5.78	64	30.1887
8.02	22	10.3774	5.78	65	30.6604
8.00	23	10.8491	5.77	66	31.1321
7.78	24	11.3208	5.72	67	31.6038
7.71	25	11.7925	5.71	68	32.0755
7.50	26	12.2642	5.65	69	32.5472
7.44	27	12.7358	5.60	70	33.0189

7.36	28	13.2075	5.59	71	33.4906
7.30	29	13.6792	5.50	72	33.9623
7.21	30	14.1509	5.45	73	34.4340
7.19	31	14.6226	5.45	74	34.9057
7.08	32	15.0943	5.44	75	35.3774
7.05	33	15.5660	5.43	76	35.8491
7.01	34	16.0377	5.43	77	36.3208
7.00	35	16.5094	5.40	78	36.7925
7.00	36	16.9811	5.36	79	37.2642
6.90	37	17.4528	5.34	80	37.7358
6.84	38	17.9245	5.32	81	38.2075
6.77	39	18.3962	5.32	82	38.6792
6.72	40	18.8679	5.20	83	39.1509
6.71	41	19.3396	5.19	84	39.6226
6.69	42	19.8113	5.18	85	40.0943
6.67	43	20.2830	5.17	86	40.5660
5.15	87	41.0377	4.11	134	63.2075
5.10	88	41.5094	4.05	135	63.6792
5.07	89	41.9811	3.99	136	64.1509
4.99	90	42.4528	3.98	137	64.6226
4.91	91	42.9245	3.93	138	65.0943
4.91	92	43.3962	3.89	139	65.5660
4.89	93	43.8679	3.88	140	66.0377
4.89	94	44.3396	3.84	141	66.5094
4.86	95	44.8113	3.84	142	66.9811
4.86	96	45.2830	3.81	143	67.4528
4.83	97	45.7547	3.80	144	67.9245
4.78	98	46.2264	3.80	145	68.3962
4.78	99	46.6981	3.73	146	68.8679
4.75	100	47.1698	3.67	147	69.3396
4.75	101	47.6415	3.65	148	69.8113
4.71	102	48.1132	3.63	149	70.2830
4.69	103	48.5849	3.63	150	70.7547
4.67	104	49.0566	3.62	151	71.2264
4.62	105	49.5283	3.60	152	71.6981
4.62	106	50.0000	3.59	153	72.1698
4.59	107	50.4717	3.56	154	72.6415
4.54	108	50.9434	3.56	155	73.1132
4.53	109	51.4151	3.45	156	73.5849
4.49	110	51.8868	3.43	157	74.0566
4.47	111	52.3585	3.41	158	74.5283
4.46	112	52.8302	3.38	159	75.0000

4.46	113	53.3019	3.32	160	75.4717
4.45	114	53.7736	3.24	161	75.9434
4.40	115	54.2453	3.24	162	76.4151
4.36	116	54.7170	3.23	163	76.8868
4.35	117	55.1887	3.22	164	77.3585
4.34	118	55.6604	3.19	165	77.8302
4.32	119	56.1321	3.17	166	78.3019
4.31	120	56.6038	3.17	167	78.7736
4.30	121	57.0755	3.15	168	79.2453
4.25	122	57.5472	3.13	169	79.7170
4.23	123	58.0189	3.13	170	80.1887
4.22	124	58.4906	3.11	171	80.6604
4.22	125	58.9623	3.10	172	81.1321
4.21	126	59.4340	3.08	173	81.6038
4.19	127	59.9057	3.04	174	82.0755
4.18	128	60.3774	3.02	175	82.5472
4.17	129	60.8491	2.96	176	83.0189
4.16	130	61.3208	2.90	177	83.4906
4.15	131	61.7925	2.86	178	83.9623
4.13	132	62.2642	2.84	179	84.4340
4.13	133	62.7358	2.77	180	84.9057
2.77	181	85.3774			
2.76	182	85.8491			
2.75	183	86.3208			
2.73	184	86.7925			
2.70	185	87.2642			
2.68	186	87.7358			
2.67	187	88.2075			
2.66	188	88.6792			
2.65	189	89.1509			
2.63	190	89.6226			
2.63	191	90.0943			
2.63	192	90.5660			
2.63	193	91.0377			
2.61	194	91.5094			
2.59	195	91.9811			
2.58	196	92.4528			
2.55	197	92.9245			
2.46	198	93.3962			
2.42	199	93.8679			
2.40	200	94.3396			
2.36	201	94.8113			

2.21	202	95.2830
2.20	203	95.7547
2.16	204	96.2264
2.12	205	96.6981
2.08	206	97.1698
1.92	207	97.6415
1.83	208	98.1132
1.77	209	98.5849
1.37	210	99.0566
1.21	211	99.5283

## Escenario Simulado

QMM SIMULADO. Ordenado (m <sup>3</sup> /s)	número de orden	probabilidad %	QMM SIMULADO. Ordenado (m <sup>3</sup> /s)	número de orden	probabilidad %
10.291	1	0.1383	7.320	44	6.0858
9.720	2	0.2766	7.319	45	6.2241
9.488	3	0.4149	7.259	46	6.3624
9.482	4	0.5533	7.258	47	6.5007
9.344	5	0.6916	7.248	48	6.6390
9.332	6	0.8299	7.226	49	6.7773
9.245	7	0.9682	7.198	50	6.9156
9.232	8	1.1065	7.180	51	7.0539
9.035	9	1.2448	7.120	52	7.1923
9.031	10	1.3831	7.084	53	7.3306
8.910	11	1.5214	7.083	54	7.4689
8.713	12	1.6598	7.075	55	7.6072
8.691	13	1.7981	7.074	56	7.7455
8.683	14	1.9364	7.036	57	7.8838
8.614	15	2.0747	6.970	58	8.0221
8.490	16	2.2130	6.965	59	8.1604
8.437	17	2.3513	6.929	60	8.2988
8.409	18	2.4896	6.929	61	8.4371
8.297	19	2.6279	6.912	62	8.5754
8.108	20	2.7663	6.885	63	8.7137
8.093	21	2.9046	6.783	64	8.8520
8.039	22	3.0429	6.744	65	8.9903
7.963	23	3.1812	6.740	66	9.1286

7.934	24	3.3195	6.725	67	9.2669
7.882	25	3.4578	6.694	68	9.4053
7.877	26	3.5961	6.665	69	9.5436
7.868	27	3.7344	6.646	70	9.6819
7.860	28	3.8728	6.631	71	9.8202
7.803	29	4.0111	6.621	72	9.9585
7.735	30	4.1494	6.585	73	10.0968
7.723	31	4.2877	6.556	74	10.2351
7.649	32	4.4260	6.546	75	10.3734
7.618	33	4.5643	6.510	76	10.5118
7.502	34	4.7026	6.460	77	10.6501
7.495	35	4.8409	6.450	78	10.7884
7.462	36	4.9793	6.442	79	10.9267
7.440	37	5.1176	6.432	80	11.0650
7.429	38	5.2559	6.422	81	11.2033
7.423	39	5.3942	6.411	82	11.3416
7.408	40	5.5325	6.410	83	11.4799
7.360	41	5.6708	6.408	84	11.6183
7.336	42	5.8091	6.404	85	11.7566
7.323	43	5.9474	6.377	86	11.8949
6.360	87	12.0332	5.694	134	18.5339
6.347	88	12.1715	5.679	135	18.6722
6.346	89	12.3098	5.675	136	18.8105
6.273	90	12.4481	5.674	137	18.9488
6.243	91	12.5864	5.666	138	19.0871
6.228	92	12.7248	5.664	139	19.2254
6.220	93	12.8631	5.657	140	19.3638
6.216	94	13.0014	5.633	141	19.5021
6.210	95	13.1397	5.630	142	19.6404
6.125	96	13.2780	5.625	143	19.7787
6.124	97	13.4163	5.612	144	19.9170
6.107	98	13.5546	5.581	145	20.0553
6.097	99	13.6929	5.567	146	20.1936
6.076	100	13.8313	5.563	147	20.3320
6.075	101	13.9696	5.545	148	20.4703
6.075	102	14.1079	5.537	149	20.6086
6.073	103	14.2462	5.537	150	20.7469
6.071	104	14.3845	5.518	151	20.8852
6.057	105	14.5228	5.514	152	21.0235
6.044	106	14.6611	5.514	153	21.1618
6.010	107	14.7994	5.502	154	21.3001
5.993	108	14.9378	5.499	155	21.4385



5.970	109	15.0761	5.493	156	21.5768
5.966	110	15.2144	5.478	157	21.7151
5.933	111	15.3527	5.475	158	21.8534
5.927	112	15.4910	5.448	159	21.9917
5.927	113	15.6293	5.443	160	22.1300
5.926	114	15.7676	5.442	161	22.2683
5.906	115	15.9059	5.427	162	22.4066
5.905	116	16.0443	5.423	163	22.5450
5.905	117	16.1826	5.420	164	22.6833
5.891	118	16.3209	5.409	165	22.8216
5.889	119	16.4592	5.374	166	22.9599
5.878	120	16.5975	5.368	167	23.0982
5.875	121	16.7358	5.361	168	23.2365
5.840	122	16.8741	5.357	169	23.3748
5.821	123	17.0124	5.357	170	23.5131
5.804	124	17.1508	5.313	171	23.6515
5.794	125	17.2891	5.297	172	23.7898
5.772	126	17.4274	5.287	173	23.9281
5.767	127	17.5657	5.284	174	24.0664
5.754	128	17.7040	5.270	175	24.2047
5.744	129	17.8423	5.269	176	24.3430
5.730	130	17.9806	5.267	177	24.4813
5.728	131	18.1189	5.259	178	24.6196
5.725	132	18.2573	5.256	179	24.7580
5.716	133	18.3956	5.248	180	24.8963
5.236	181	25.0346	4.833	228	31.5353
5.228	182	25.1729	4.827	229	31.6736
5.199	183	25.3112	4.824	230	31.8119
5.198	184	25.4495	4.816	231	31.9502
5.181	185	25.5878	4.812	232	32.0885
5.176	186	25.7261	4.810	233	32.2268
5.164	187	25.8645	4.799	234	32.3651
5.162	188	26.0028	4.798	235	32.5035
5.151	189	26.1411	4.789	236	32.6418
5.135	190	26.2794	4.787	237	32.7801
5.124	191	26.4177	4.780	238	32.9184
5.116	192	26.5560	4.779	239	33.0567
5.115	193	26.6943	4.778	240	33.1950
5.112	194	26.8326	4.757	241	33.3333
5.106	195	26.9710	4.753	242	33.4716
5.105	196	27.1093	4.737	243	33.6100
5.099	197	27.2476	4.723	244	33.7483

5.098	198	27.3859	4.709	245	33.8866
5.097	199	27.5242	4.705	246	34.0249
5.091	200	27.6625	4.687	247	34.1632
5.089	201	27.8008	4.683	248	34.3015
5.087	202	27.9391	4.663	249	34.4398
5.078	203	28.0775	4.663	250	34.5781
5.067	204	28.2158	4.662	251	34.7165
5.059	205	28.3541	4.660	252	34.8548
5.055	206	28.4924	4.656	253	34.9931
5.041	207	28.6307	4.653	254	35.1314
5.036	208	28.7690	4.644	255	35.2697
5.013	209	28.9073	4.638	256	35.4080
4.994	210	29.0456	4.599	257	35.5463
4.990	211	29.1840	4.591	258	35.6846
4.981	212	29.3223	4.583	259	35.8230
4.974	213	29.4606	4.574	260	35.9613
4.960	214	29.5989	4.571	261	36.0996
4.955	215	29.7372	4.562	262	36.2379
4.955	216	29.8755	4.561	263	36.3762
4.951	217	30.0138	4.550	264	36.5145
4.927	218	30.1521	4.546	265	36.6528
4.925	219	30.2905	4.540	266	36.7911
4.923	220	30.4288	4.539	267	36.9295
4.916	221	30.5671	4.539	268	37.0678
4.900	222	30.7054	4.537	269	37.2061
4.893	223	30.8437	4.534	270	37.3444
4.892	224	30.9820	4.523	271	37.4827
4.874	225	31.1203	4.522	272	37.6210
4.867	226	31.2586	4.517	273	37.7593
4.841	227	31.3970	4.486	274	37.8976
4.486	275	38.0360	4.143	322	44.5367
4.481	276	38.1743	4.139	323	44.6750
4.479	277	38.3126	4.129	324	44.8133
4.474	278	38.4509	4.124	325	44.9516
4.464	279	38.5892	4.120	326	45.0899
4.453	280	38.7275	4.115	327	45.2282
4.447	281	38.8658	4.110	328	45.3665
4.434	282	39.0041	4.110	329	45.5048
4.430	283	39.1425	4.110	330	45.6432
4.425	284	39.2808	4.106	331	45.7815
4.413	285	39.4191	4.096	332	45.9198
4.410	286	39.5574	4.088	333	46.0581

4.383	287	39.6957	4.078	334	46.1964
4.371	288	39.8340	4.073	335	46.3347
4.369	289	39.9723	4.069	336	46.4730
4.355	290	40.1107	4.063	337	46.6113
4.329	291	40.2490	4.060	338	46.7497
4.325	292	40.3873	4.044	339	46.8880
4.309	293	40.5256	4.039	340	47.0263
4.299	294	40.6639	4.036	341	47.1646
4.290	295	40.8022	4.034	342	47.3029
4.286	296	40.9405	4.033	343	47.4412
4.286	297	41.0788	4.033	344	47.5795
4.282	298	41.2172	4.028	345	47.7178
4.276	299	41.3555	4.012	346	47.8562
4.274	300	41.4938	4.000	347	47.9945
4.268	301	41.6321	3.989	348	48.1328
4.267	302	41.7704	3.982	349	48.2711
4.261	303	41.9087	3.979	350	48.4094
4.261	304	42.0470	3.978	351	48.5477
4.255	305	42.1853	3.973	352	48.6860
4.247	306	42.3237	3.962	353	48.8243
4.240	307	42.4620	3.952	354	48.9627
4.231	308	42.6003	3.951	355	49.1010
4.230	309	42.7386	3.948	356	49.2393
4.228	310	42.8769	3.923	357	49.3776
4.206	311	43.0152	3.913	358	49.5159
4.198	312	43.1535	3.910	359	49.6542
4.193	313	43.2918	3.909	360	49.7925
4.192	314	43.4302	3.908	361	49.9308
4.185	315	43.5685	3.900	362	50.0692
4.184	316	43.7068	3.900	363	50.2075
4.178	317	43.8451	3.891	364	50.3458
4.168	318	43.9834	3.888	365	50.4841
4.160	319	44.1217	3.882	366	50.6224
4.157	320	44.2600	3.877	367	50.7607
4.151	321	44.3983	3.859	368	50.8990
3.846	369	51.0373	3.572	416	57.5380
3.844	370	51.1757	3.571	417	57.6763
3.843	371	51.3140	3.567	418	57.8147
3.843	372	51.4523	3.560	419	57.9530
3.840	373	51.5906	3.558	420	58.0913
3.826	374	51.7289	3.550	421	58.2296
3.825	375	51.8672	3.542	422	58.3679

3.824	376	52.0055	3.539	423	58.5062
3.819	377	52.1438	3.535	424	58.6445
3.816	378	52.2822	3.535	425	58.7828
3.797	379	52.4205	3.534	426	58.9212
3.792	380	52.5588	3.531	427	59.0595
3.789	381	52.6971	3.527	428	59.1978
3.780	382	52.8354	3.525	429	59.3361
3.773	383	52.9737	3.525	430	59.4744
3.767	384	53.1120	3.515	431	59.6127
3.763	385	53.2503	3.506	432	59.7510
3.755	386	53.3887	3.482	433	59.8893
3.752	387	53.5270	3.479	434	60.0277
3.748	388	53.6653	3.465	435	60.1660
3.748	389	53.8036	3.464	436	60.3043
3.743	390	53.9419	3.458	437	60.4426
3.742	391	54.0802	3.455	438	60.5809
3.732	392	54.2185	3.453	439	60.7192
3.730	393	54.3568	3.448	440	60.8575
3.727	394	54.4952	3.441	441	60.9959
3.726	395	54.6335	3.427	442	61.1342
3.719	396	54.7718	3.425	443	61.2725
3.715	397	54.9101	3.421	444	61.4108
3.710	398	55.0484	3.418	445	61.5491
3.693	399	55.1867	3.418	446	61.6874
3.686	400	55.3250	3.399	447	61.8257
3.673	401	55.4633	3.395	448	61.9640
3.673	402	55.6017	3.385	449	62.1024
3.668	403	55.7400	3.374	450	62.2407
3.662	404	55.8783	3.372	451	62.3790
3.661	405	56.0166	3.362	452	62.5173
3.639	406	56.1549	3.357	453	62.6556
3.632	407	56.2932	3.356	454	62.7939
3.629	408	56.4315	3.355	455	62.9322
3.621	409	56.5698	3.354	456	63.0705
3.610	410	56.7082	3.353	457	63.2089
3.594	411	56.8465	3.351	458	63.3472
3.593	412	56.9848	3.350	459	63.4855
3.591	413	57.1231	3.346	460	63.6238
3.591	414	57.2614	3.339	461	63.7621
3.584	415	57.3997	3.337	462	63.9004
3.329	463	64.0387	3.083	510	70.5394
3.324	464	64.1770	3.082	511	70.6777

3.310	465	64.3154	3.071	512	70.8160
3.299	466	64.4537	3.071	513	70.9544
3.299	467	64.5920	3.067	514	71.0927
3.281	468	64.7303	3.063	515	71.2310
3.274	469	64.8686	3.060	516	71.3693
3.272	470	65.0069	3.057	517	71.5076
3.261	471	65.1452	3.057	518	71.6459
3.254	472	65.2835	3.037	519	71.7842
3.253	473	65.4219	3.026	520	71.9225
3.249	474	65.5602	3.025	521	72.0609
3.240	475	65.6985	3.017	522	72.1992
3.240	476	65.8368	3.015	523	72.3375
3.238	477	65.9751	3.008	524	72.4758
3.236	478	66.1134	2.998	525	72.6141
3.231	479	66.2517	2.991	526	72.7524
3.228	480	66.3900	2.975	527	72.8907
3.227	481	66.5284	2.971	528	73.0290
3.226	482	66.6667	2.962	529	73.1674
3.223	483	66.8050	2.960	530	73.3057
3.221	484	66.9433	2.960	531	73.4440
3.209	485	67.0816	2.957	532	73.5823
3.207	486	67.2199	2.956	533	73.7206
3.203	487	67.3582	2.955	534	73.8589
3.199	488	67.4965	2.938	535	73.9972
3.193	489	67.6349	2.931	536	74.1355
3.185	490	67.7732	2.923	537	74.2739
3.185	491	67.9115	2.923	538	74.4122
3.178	492	68.0498	2.921	539	74.5505
3.175	493	68.1881	2.920	540	74.6888
3.172	494	68.3264	2.917	541	74.8271
3.152	495	68.4647	2.917	542	74.9654
3.127	496	68.6030	2.917	543	75.1037
3.112	497	68.7414	2.907	544	75.2420
3.111	498	68.8797	2.900	545	75.3804
3.110	499	69.0180	2.900	546	75.5187
3.105	500	69.1563	2.894	547	75.6570
3.099	501	69.2946	2.890	548	75.7953
3.095	502	69.4329	2.882	549	75.9336
3.095	503	69.5712	2.878	550	76.0719
3.093	504	69.7095	2.874	551	76.2102
3.093	505	69.8479	2.865	552	76.3485
3.092	506	69.9862	2.863	553	76.4869

3.089	507	70.1245	2.847	554	76.6252
3.088	508	70.2628	2.845	555	76.7635
3.087	509	70.4011	2.845	556	76.9018
2.835	557	77.0401	2.608	604	83.5408
2.823	558	77.1784	2.604	605	83.6791
2.822	559	77.3167	2.603	606	83.8174
2.818	560	77.4550	2.602	607	83.9557
2.815	561	77.5934	2.599	608	84.0941
2.812	562	77.7317	2.599	609	84.2324
2.811	563	77.8700	2.594	610	84.3707
2.810	564	78.0083	2.590	611	84.5090
2.810	565	78.1466	2.585	612	84.6473
2.804	566	78.2849	2.577	613	84.7856
2.798	567	78.4232	2.573	614	84.9239
2.797	568	78.5615	2.564	615	85.0622
2.795	569	78.6999	2.561	616	85.2006
2.791	570	78.8382	2.558	617	85.3389
2.783	571	78.9765	2.555	618	85.4772
2.777	572	79.1148	2.555	619	85.6155
2.777	573	79.2531	2.552	620	85.7538
2.770	574	79.3914	2.527	621	85.8921
2.756	575	79.5297	2.515	622	86.0304
2.755	576	79.6680	2.515	623	86.1687
2.755	577	79.8064	2.513	624	86.3071
2.754	578	79.9447	2.512	625	86.4454
2.746	579	80.0830	2.508	626	86.5837
2.742	580	80.2213	2.500	627	86.7220
2.740	581	80.3596	2.498	628	86.8603
2.735	582	80.4979	2.497	629	86.9986
2.731	583	80.6362	2.496	630	87.1369
2.730	584	80.7746	2.493	631	87.2752
2.719	585	80.9129	2.492	632	87.4136
2.712	586	81.0512	2.490	633	87.5519
2.711	587	81.1895	2.480	634	87.6902
2.711	588	81.3278	2.476	635	87.8285
2.708	589	81.4661	2.461	636	87.9668
2.702	590	81.6044	2.450	637	88.1051
2.698	591	81.7427	2.445	638	88.2434
2.697	592	81.8811	2.434	639	88.3817
2.696	593	82.0194	2.434	640	88.5201
2.694	594	82.1577	2.432	641	88.6584
2.694	595	82.2960	2.420	642	88.7967

2.691	596	82.4343	2.406	643	88.9350
2.685	597	82.5726	2.392	644	89.0733
2.678	598	82.7109	2.390	645	89.2116
2.675	599	82.8492	2.378	646	89.3499
2.657	600	82.9876	2.378	647	89.4882
2.651	601	83.1259	2.377	648	89.6266
2.645	602	83.2642	2.366	649	89.7649
2.644	603	83.4025	2.346	650	89.9032
2.338	651	90.0415	1.853	698	96.5422
2.334	652	90.1798	1.841	699	96.6805
2.330	653	90.3181	1.840	700	96.8188
2.329	654	90.4564	1.832	701	96.9571
2.329	655	90.5947	1.820	702	97.0954
2.316	656	90.7331	1.800	703	97.2337
2.290	657	90.8714	1.784	704	97.3721
2.272	658	91.0097	1.762	705	97.5104
2.271	659	91.1480	1.762	706	97.6487
2.268	660	91.2863	1.743	707	97.7870
2.266	661	91.4246	1.727	708	97.9253
2.263	662	91.5629	1.695	709	98.0636
2.254	663	91.7012	1.635	710	98.2019
2.225	664	91.8396	1.624	711	98.3402
2.225	665	91.9779	1.617	712	98.4786
2.208	666	92.1162	1.555	713	98.6169
2.204	667	92.2545	1.497	714	98.7552
2.204	668	92.3928	1.496	715	98.8935
2.186	669	92.5311	1.495	716	99.0318
2.181	670	92.6694	1.465	717	99.1701
2.174	671	92.8077	1.462	718	99.3084
2.167	672	92.9461	1.456	719	99.4467
2.157	673	93.0844	1.452	720	99.5851
2.147	674	93.2227	1.442	721	99.7234
2.145	675	93.3610	1.064	722	99.8617
2.134	676	93.4993			
2.123	677	93.6376			
2.065	678	93.7759			
2.045	679	93.9142			
2.002	680	94.0526			
1.991	681	94.1909			
1.984	682	94.3292			
1.966	683	94.4675			
1.959	684	94.6058			

1.955	685	94.7441
1.944	686	94.8824
1.939	687	95.0207
1.938	688	95.1591
1.934	689	95.2974
1.934	690	95.4357
1.928	691	95.5740
1.916	692	95.7123
1.910	693	95.8506
1.904	694	95.9889
1.903	695	96.1272
1.857	696	96.2656
1.856	697	96.4039

## Anexo 11 ENERGÍA, POTENCIA Y FACTOR DE PLANTA PARA LA CORRIENTE.

### Escenario EO-1

Caudal medio mensual m <sup>3</sup> /s	Caudal medio mensual ordenado de mayor a menor m <sup>3</sup> /s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (Mwh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
10.78	18.36	1.00	16.20	0.14	11.90	11.90	15.89			189.15	21603.10	21792.25	139215.67	0.16
9.03	17.72	2.00	15.56	0.27	11.90	23.80	15.26	185.42	185.42	363.36	21417.69	21781.04	133715.79	0.16
6.94	14.66	3.00	12.50	0.41	11.90	35.71	12.26	163.81	349.23	437.85	21253.87	21691.72	107419.50	0.20
1.79	13.94	4.00	11.78	0.54	11.90	47.61	11.56	141.75	490.98	550.17	21112.12	21662.30	101232.14	0.21
3.65	13.88	5.00	11.72	0.68	11.90	59.51	11.50	137.19	628.17	684.22	20974.93	21659.15	100716.52	0.22
8.11	13.09	6.00	10.93	0.81	11.90	71.41	10.72	132.21	760.38	765.41	20842.73	21608.13	93890.16	0.23
2.00	12.96	7.00	10.80	0.95	11.90	83.32	10.59	126.83	887.21	882.71	20715.89	21598.60	92810.45	0.23
1.62	12.94	8.00	10.78	1.09	11.90	95.22	10.58	125.98	1013.20	1006.94	20589.91	21596.85	92638.58	0.23
1.64	12.93	9.00	10.77	1.22	11.90	107.12	10.57	125.81	1139.00	1131.76	20464.10	21595.86	92552.64	0.23
3.89	12.81	10.00	10.65	1.36	11.90	119.02	10.45	125.05	1264.05	1243.50	20339.05	21582.54	91521.41	0.24
2.43	12.40	11.00	10.24	1.49	11.90	130.92	10.05	121.96	1386.01	1315.19	20217.09	21532.28	87998.05	0.24
8.06	12.16	12.00	10.00	1.63	11.90	142.83	9.81	118.16	1504.17	1401.12	20098.93	21500.05	85935.60	0.25



9.50	12.02	13.00	9.86	1.76	11.90	154.73	9.67	115.95	1620.13	1496.94	19982.97	21479.91	84749.65	0.25
11.39	11.88	14.00	9.72	1.90	11.90	166.63	9.53	114.31	1734.43	1588.46	19868.67	21457.12	83507.35	0.26
9.64	11.69	15.00	9.53	2.04	11.90	178.53	9.35	112.37	1846.80	1669.09	19756.30	21425.39	81896.63	0.26
3.60	11.61	16.00	9.45	2.17	11.90	190.43	9.27	110.81	1957.60	1765.42	19645.50	21410.91	81209.14	0.26
7.83	11.54	17.00	9.38	2.31	11.90	202.34	9.20	109.93	2067.53	1861.86	19535.57	21397.43	80607.59	0.27
4.12	11.39	18.00	9.23	2.44	11.90	214.24	9.05	108.65	2176.18	1939.86	19426.92	21366.78	79318.56	0.27
5.96	11.38	19.00	9.22	2.58	11.90	226.14	9.04	107.71	2283.89	2045.41	19319.21	21364.62	79232.62	0.27
3.47	11.25	20.00	9.09	2.71	11.90	238.04	8.92	106.89	2390.79	2122.70	19212.32	21335.02	78115.46	0.27
6.48	11.06	21.00	8.90	2.85	11.90	249.95	8.73	105.03	2495.81	2182.25	19107.29	21289.54	76482.68	0.28
2.55	10.93	22.00	8.77	2.99	11.90	261.85	8.60	103.16	2598.97	2252.77	19004.13	21256.91	75365.52	0.28
4.82	10.78	23.00	8.62	3.12	11.90	273.75	8.46	101.52	2700.49	2314.89	18902.61	21217.50	74076.49	0.29
7.16	10.62	24.00	8.46	3.26	11.90	285.65	8.30	99.73	2800.22	2371.43	18802.88	21174.31	72723.93	0.29
9.94	10.59	25.00	8.43	3.39	11.90	297.55	8.27	98.62	2898.84	2460.72	18704.26	21164.99	72443.71	0.29
6.42	10.41	26.00	8.25	3.53	11.90	309.46	8.09	97.38	2996.22	2504.51	18606.88	21111.39	70896.87	0.30
8.25	10.23	27.00	8.07	3.66	11.90	321.36	7.92	95.28	3091.49	2544.09	18511.61	21055.70	69350.03	0.30
4.03	10.21	28.00	8.05	3.80	11.90	333.26	7.90	94.11	3185.60	2631.78	18417.50	21049.28	69178.16	0.30
1.90	10.08	29.00	7.92	3.93	11.90	345.16	7.77	93.23	3278.84	2681.75	18324.27	21006.02	68061.00	0.31
7.83	10.01	30.00	7.85	4.07	11.90	357.07	7.70	92.07	3370.90	2749.71	18232.20	20981.91	67459.45	0.31
5.02	9.94	31.00	7.78	4.21	11.90	368.97	7.63	91.24	3462.14	2815.66	18140.96	20956.62	66849.30	0.31
2.85	9.90	32.00	7.74	4.34	11.90	380.87	7.59	90.60	3552.74	2891.92	18050.36	20942.28	66514.15	0.31
1.44	9.83	33.00	7.67	4.48	11.90	392.77	7.52	89.96	3642.71	2955.32	17960.39	20915.71	65912.61	0.32
1.06	9.82	34.00	7.66	4.61	11.90	404.67	7.51	89.47	3732.18	3039.32	17870.92	20910.24	65792.30	0.32
5.44	9.80	35.00	7.64	4.75	11.90	416.58	7.49	89.30	3821.48	3122.17	17781.62	20903.79	65654.80	0.32
5.34	9.75	36.00	7.59	4.88	11.90	428.48	7.44	88.90	3910.38	3189.52	17692.72	20882.24	65207.93	0.32
10.08	9.72	37.00	7.56	5.02	11.90	440.38	7.42	88.45	3998.83	3266.88	17604.27	20871.16	64984.50	0.32
7.08	9.70	38.00	7.54	5.16	11.90	452.28	7.39	88.15	4086.98	3344.09	17516.13	20860.21	64769.66	0.32
8.52	9.64	39.00	7.48	5.29	11.90	464.18	7.34	87.68	4174.66	3407.04	17428.45	20835.49	64297.02	0.32
6.43	9.53	40.00	7.37	5.43	11.90	476.09	7.23	86.70	4261.36	3441.63	17341.74	20783.37	63325.94	0.33
4.35	9.50	41.00	7.34	5.56	11.90	487.99	7.20	85.85	4347.21	3512.35	17255.89	20768.24	63050.95	0.33
3.99	9.45	42.00	7.29	5.70	11.90	499.89	7.15	85.40	4432.62	3575.95	17170.49	20746.43	62664.24	0.33
3.13	9.40	43.00	7.24	5.83	11.90	511.79	7.10	84.83	4517.45	3634.48	17085.65	20720.13	62208.78	0.33
3.32	9.23	44.00	7.07	5.97	11.90	523.70	6.93	83.52	4600.97	3630.64	17002.14	20632.77	60730.69	0.34
0.81	9.19	45.00	7.03	6.11	11.90	535.60	6.90	82.29	4683.26	3693.19	16919.84	20613.03	60404.13	0.34
1.25	9.18	46.00	7.02	6.24	11.90	547.50	6.89	82.02	4765.28	3770.42	16837.82	20608.25	60326.79	0.34
3.81	9.03	47.00	6.87	6.38	11.90	559.40	6.74	81.10	4846.38	3771.17	16756.72	20527.89	59054.94	0.35
7.81	8.93	48.00	6.77	6.51	11.90	571.30	6.64	79.65	4926.03	3795.36	16677.07	20472.43	58195.59	0.35
8.49	8.87	49.00	6.71	6.65	11.90	583.21	6.58	78.69	5004.72	3837.25	16598.38	20435.62	57637.01	0.35
11.06	8.65	50.00	6.49	6.78	11.90	595.11	6.36	77.02	5081.74	3786.54	16521.36	20307.89	55737.83	0.36
7.60	8.64	51.00	6.48	6.92	11.90	607.01	6.35	75.68	5157.42	3856.91	16445.68	20302.59	55660.49	0.36
3.38	8.63	52.00	6.47	7.06	11.90	618.91	6.34	75.57	5232.99	3926.46	16370.11	20296.57	55574.55	0.37
5.69	8.61	53.00	6.45	7.19	11.90	630.82	6.32	75.38	5308.37	3988.36	16294.73	20283.09	55385.49	0.37

7.88	8.59	54.00	6.43	7.33	11.90	642.72	6.31	75.18	5383.55	4055.41	16219.56	20274.97	55273.78	0.37
6.83	8.52	55.00	6.36	7.46	11.90	654.62	6.24	74.67	5458.22	4083.63	16144.88	20228.52	54646.45	0.37
2.07	8.50	56.00	6.34	7.60	11.90	666.52	6.22	74.13	5532.35	4144.15	16070.76	20214.91	54465.98	0.37
1.17	8.49	57.00	6.33	7.73	11.90	678.42	6.21	73.97	5606.32	4214.83	15996.78	20211.61	54423.02	0.37
5.40	8.45	58.00	6.29	7.87	11.90	690.33	6.17	73.70	5680.02	4260.33	15923.08	20183.41	54062.09	0.37
3.08	8.39	59.00	6.23	8.01	11.90	702.23	6.11	73.10	5753.12	4292.45	15849.98	20142.43	53546.47	0.38
2.07	8.32	60.00	6.16	8.14	11.90	714.13	6.05	72.36	5825.48	4318.26	15777.62	20095.88	52970.70	0.38
2.65	8.27	61.00	6.11	8.28	11.90	726.03	6.00	71.68	5897.16	4354.81	15705.94	20060.74	52543.24	0.38
8.59	8.25	62.00	6.09	8.41	11.90	737.93	5.97	71.24	5968.40	4407.19	15634.70	20041.89	52317.59	0.38
7.14	8.22	63.00	6.06	8.55	11.90	749.84	5.94	70.91	6039.31	4456.34	15563.79	20020.13	52061.34	0.38
3.99	8.20	64.00	6.04	8.68	11.90	761.74	5.93	70.64	6109.95	4514.23	15493.16	20007.39	51913.70	0.39
2.77	8.15	65.00	5.99	8.82	11.90	773.64	5.87	70.23	6180.17	4544.55	15422.93	19967.47	51458.24	0.39
10.21	8.14	66.00	5.98	8.96	11.90	785.54	5.87	69.89	6250.06	4610.61	15353.04	19963.65	51415.27	0.39
12.81	8.11	67.00	5.95	9.09	11.90	797.45	5.84	69.68	6319.74	4657.00	15283.36	19940.36	51157.46	0.39
4.45	8.11	68.00	5.95	9.23	11.90	809.35	5.84	69.49	6389.23	4724.12	15213.87	19937.99	51131.68	0.39
1.99	8.11	69.00	5.95	9.36	11.90	821.25	5.84	69.47	6458.70	4793.60	15144.40	19937.99	51131.68	0.39
3.69	8.07	70.00	5.91	9.50	11.90	833.15	5.80	69.24	6527.94	4830.37	15075.16	19905.53	50787.94	0.39
4.10	8.06	71.00	5.90	9.63	11.90	845.05	5.79	68.94	6596.88	4890.26	15006.22	19896.48	50693.41	0.39
4.27	8.02	72.00	5.86	9.77	11.90	856.96	5.75	68.64	6665.52	4924.67	14937.58	19862.25	50341.07	0.39
13.88	8.02	73.00	5.86	9.91	11.90	868.86	5.75	68.39	6733.91	4992.22	14869.19	19861.40	50332.48	0.39
12.16	8.00	74.00	5.84	10.04	11.90	880.76	5.73	68.31	6802.23	5049.83	14800.87	19850.71	50225.35	0.40
9.53	7.88	75.00	5.72	10.18	11.90	892.66	5.61	67.50	6869.73	5007.27	14733.37	19740.64	49137.98	0.40
2.92	7.83	76.00	5.67	10.31	11.90	904.57	5.57	66.51	6936.24	5034.99	14666.87	19701.85	48759.86	0.40
2.37	7.83	77.00	5.67	10.45	11.90	916.47	5.56	66.20	7002.44	5094.04	14600.66	19694.70	48691.11	0.40
7.16	7.81	78.00	5.65	10.58	11.90	928.37	5.54	66.06	7068.50	5145.63	14534.60	19680.23	48553.61	0.41
2.68	7.78	79.00	5.62	10.72	11.90	940.27	5.51	65.77	7134.27	5180.24	14468.83	19649.06	48261.43	0.41
1.37	7.74	80.00	5.58	10.85	11.90	952.17	5.48	65.39	7199.66	5216.21	14403.44	19619.65	47989.14	0.41
2.82	7.74	81.00	5.58	10.99	11.90	964.08	5.47	65.18	7264.84	5277.33	14338.26	19615.60	47952.06	0.41
1.68	7.71	82.00	5.55	11.13	11.90	975.98	5.44	64.98	7329.82	5313.76	14273.29	19587.05	47694.26	0.41
5.78	7.66	83.00	5.50	11.26	11.90	987.88	5.39	64.50	7394.31	5328.17	14208.79	19536.96	47247.39	0.41
2.22	7.60	84.00	5.44	11.40	11.90	999.78	5.34	63.86	7458.17	5335.48	14144.93	19480.41	46748.97	0.42
7.52	7.56	85.00	5.40	11.53	11.90	1011.68	5.30	63.28	7521.45	5358.31	14081.65	19439.96	46396.63	0.42
17.72	7.52	86.00	5.36	11.67	11.90	1023.59	5.26	62.83	7584.28	5386.20	14018.82	19405.02	46095.86	0.42
5.19	7.52	87.00	5.36	11.80	11.90	1035.49	5.26	62.59	7646.87	5441.72	13956.23	19397.95	46035.70	0.42
2.24	7.50	88.00	5.34	11.94	11.90	1047.39	5.24	62.44	7709.32	5485.77	13893.79	19379.56	45881.02	0.42
2.68	7.45	89.00	5.29	12.08	11.90	1059.29	5.19	62.03	7771.35	5494.08	13831.75	19325.83	45434.15	0.43
3.88	7.44	90.00	5.28	12.21	11.90	1071.20	5.18	61.67	7833.02	5545.30	13770.08	19315.38	45348.22	0.43
2.51	7.43	91.00	5.27	12.35	11.90	1083.10	5.16	61.54	7894.57	5594.16	13708.53	19302.70	45245.09	0.43
1.31	7.40	92.00	5.24	12.48	11.90	1095.00	5.14	61.31	7955.88	5625.56	13647.22	19272.78	45004.47	0.43
0.99	7.36	93.00	5.20	12.62	11.90	1106.90	5.10	60.90	8016.78	5641.17	13586.32	19227.49	44644.06	0.43
0.28	7.35	94.00	5.19	12.75	11.90	1118.80	5.10	60.65	8077.43	5701.04	13525.67	19226.70	44637.90	0.43
3.80	7.32	95.00	5.16	12.89	11.90	1130.71	5.06	60.44	8137.87	5721.37	13465.23	19186.60	44325.58	0.43

3.37	7.31	96.00	5.15	13.03	11.90	1142.61	5.06	60.20	8198.07	5777.11	13405.03	19182.14	44291.21	0.43
6.92	7.30	97.00	5.14	13.16	11.90	1154.51	5.04	60.11	8258.18	5823.70	13344.92	19168.62	44188.09	0.43
7.31	7.27	98.00	5.11	13.30	11.90	1166.41	5.01	59.85	8318.03	5847.12	13285.07	19132.19	43913.09	0.44
3.07	7.24	99.00	5.08	13.43	11.90	1178.32	4.98	59.46	8377.49	5866.33	13225.61	19091.94	43612.32	0.44
1.48	7.21	100.00	5.05	13.57	11.90	1190.22	4.96	59.12	8436.61	5898.23	13166.49	19064.72	43410.99	0.44
6.52	7.19	101.00	5.03	13.70	11.90	1202.12	4.94	58.86	8495.47	5932.95	13107.63	19040.58	43234.20	0.44
2.72	7.17	102.00	5.01	13.84	11.90	1214.02	4.91	58.61	8554.09	5965.50	13049.01	19014.51	43045.14	0.44
1.49	7.16	103.00	5.00	13.98	11.90	1225.92	4.91	58.43	8612.52	6013.16	12990.58	19003.74	42967.80	0.44
2.37	7.16	104.00	5.00	14.11	11.90	1237.83	4.90	58.37	8670.90	6070.32	12932.21	19002.53	42959.21	0.44
4.02	7.16	105.00	5.00	14.25	11.90	1249.73	4.90	58.36	8729.25	6126.24	12873.85	19000.09	42942.02	0.44
3.80	7.14	106.00	4.98	14.38	11.90	1261.63	4.88	58.22	8787.47	6158.59	12815.63	18974.22	42761.55	0.44
3.18	7.11	107.00	4.95	14.52	11.90	1273.53	4.86	57.95	8845.42	6184.21	12757.68	18941.89	42538.12	0.45
5.47	7.10	108.00	4.94	14.65	11.90	1285.43	4.85	57.74	8903.16	6229.40	12699.94	18929.34	42452.19	0.45
6.53	7.10	109.00	4.94	14.79	11.90	1297.34	4.85	57.67	8960.83	6285.80	12642.27	18928.07	42443.59	0.45
4.62	7.08	110.00	4.92	14.93	11.90	1309.24	4.82	57.53	9018.37	6313.93	12584.73	18898.66	42245.94	0.45
5.88	7.05	111.00	4.89	15.06	11.90	1321.14	4.80	57.24	9075.60	6335.04	12527.50	18862.54	42005.32	0.45
3.84	7.01	112.00	4.85	15.20	11.90	1333.04	4.76	56.87	9132.47	6346.35	12470.63	18816.98	41704.58	0.45
3.93	7.01	113.00	4.85	15.33	11.90	1344.95	4.76	56.64	9189.11	6397.73	12413.99	18811.72	41670.17	0.45
6.51	7.00	114.00	4.84	15.47	11.90	1356.85	4.75	56.57	9245.68	6443.70	12357.42	18801.12	41601.42	0.45
2.59	7.00	115.00	4.84	15.60	11.90	1368.75	4.75	56.52	9302.21	6500.22	12300.89	18801.12	41601.42	0.45
3.63	6.99	116.00	4.83	15.74	11.90	1380.65	4.74	56.48	9358.69	6547.27	12244.41	18791.68	41541.27	0.45
2.42	6.96	117.00	4.80	15.88	11.90	1392.55	4.70	56.21	9414.90	6550.43	12188.20	18738.63	41206.12	0.45
4.05	6.94	118.00	4.78	16.01	11.90	1404.46	4.69	55.89	9470.80	6584.37	12132.30	18716.68	41068.62	0.46
5.40	6.92	119.00	4.76	16.15	11.90	1416.36	4.67	55.71	9526.51	6619.33	12076.59	18695.92	40939.72	0.46
4.59	6.90	120.00	4.74	16.28	11.90	1428.26	4.65	55.47	9581.98	6637.12	12021.13	18658.25	40707.69	0.46
4.15	6.87	121.00	4.71	16.42	11.90	1440.16	4.62	55.15	9637.13	6654.29	11965.97	18620.26	40475.67	0.46
6.77	6.86	122.00	4.70	16.55	11.90	1452.07	4.61	54.94	9692.06	6695.04	11911.04	18606.07	40389.73	0.46
4.31	6.84	123.00	4.68	16.69	11.90	1463.97	4.59	54.74	9746.80	6715.45	11856.30	18571.75	40183.49	0.46
3.89	6.83	124.00	4.67	16.82	11.90	1475.87	4.58	54.54	9801.35	6757.01	11801.76	18558.77	40106.14	0.46
3.84	6.77	125.00	4.61	16.96	11.90	1487.77	4.52	54.17	9855.51	6729.77	11747.59	18477.36	39624.91	0.47
5.43	6.76	126.00	4.60	17.10	11.90	1499.67	4.51	53.79	9909.30	6770.46	11693.80	18464.26	39548.07	0.47
4.32	6.75	127.00	4.59	17.23	11.90	1511.58	4.50	53.68	9962.97	6809.28	11640.13	18449.41	39461.63	0.47
6.08	6.75	128.00	4.59	17.37	11.90	1523.48	4.50	53.59	10016.56	6855.42	11586.54	18441.96	39418.66	0.47
3.39	6.74	129.00	4.58	17.50	11.90	1535.38	4.49	53.50	10070.06	6893.65	11533.04	18426.69	39331.19	0.47
3.74	6.72	130.00	4.56	17.64	11.90	1547.28	4.47	53.33	10123.39	6918.56	11479.71	18398.27	39169.69	0.47
4.65	6.71	131.00	4.55	17.77	11.90	1559.18	4.46	53.14	10176.53	6951.85	11426.57	18378.42	39057.73	0.47
4.68	6.69	132.00	4.53	17.91	11.90	1571.09	4.44	52.98	10229.51	6981.80	11373.59	18355.39	38928.83	0.47
4.72	6.67	133.00	4.51	18.05	11.90	1582.99	4.43	52.80	10282.31	7010.80	11320.79	18331.59	38796.63	0.47
8.07	6.63	134.00	4.47	18.18	11.90	1594.89	4.39	52.46	10334.77	6995.27	11268.33	18263.60	38421.81	0.48
3.84	6.63	135.00	4.47	18.32	11.90	1606.79	4.38	52.17	10386.94	7038.02	11216.16	18254.18	38370.25	0.48
3.98	6.61	136.00	4.45	18.45	11.90	1618.70	4.36	52.04	10438.98	7064.75	11164.12	18228.87	38232.75	0.48
0.80	6.61	137.00	4.45	18.59	11.90	1630.60	4.36	51.95	10490.93	7116.69	11112.18	18228.87	38232.75	0.48

4.19	6.59	138.00	4.43	18.72	11.90	1642.50	4.35	51.85	10542.77	7141.25	11060.33	18201.58	38086.66	0.48
3.59	6.59	139.00	4.43	18.86	11.90	1654.40	4.35	51.74	10594.51	7189.75	11008.59	18198.34	38069.47	0.48
0.97	6.58	140.00	4.42	19.00	11.90	1666.30	4.34	51.67	10646.18	7226.76	10956.92	18183.68	37992.13	0.48
0.99	6.57	141.00	4.41	19.13	11.90	1678.21	4.33	51.56	10697.74	7260.27	10905.36	18165.64	37897.60	0.48
1.09	6.54	142.00	4.38	19.27	11.90	1690.11	4.30	51.32	10749.05	7262.03	10854.05	18116.07	37639.79	0.48
2.46	6.53	143.00	4.37	19.40	11.90	1702.01	4.29	51.09	10800.14	7298.14	10802.96	18101.10	37562.45	0.48
3.24	6.52	144.00	4.36	19.54	11.90	1713.91	4.28	51.00	10851.14	7337.41	10751.96	18089.37	37502.30	0.48
2.75	6.52	145.00	4.36	19.67	11.90	1725.82	4.27	50.91	10902.05	7376.51	10701.05	18077.56	37442.14	0.48
7.00	6.52	146.00	4.36	19.81	11.90	1737.72	4.27	50.87	10952.92	7425.68	10650.18	18075.86	37433.55	0.48
7.05	6.51	147.00	4.35	19.95	11.90	1749.62	4.27	50.81	11003.73	7462.24	10599.37	18061.61	37361.96	0.48
5.78	6.51	148.00	4.35	20.08	11.90	1761.52	4.26	50.75	11054.48	7508.39	10548.62	18057.01	37339.02	0.48
4.30	6.50	149.00	4.34	20.22	11.90	1773.42	4.26	50.73	11105.20	7557.38	10497.90	18055.28	37330.42	0.48
5.59	6.49	150.00	4.33	20.35	11.90	1785.33	4.25	50.62	11155.83	7578.82	10447.27	18026.09	37186.73	0.48
5.79	6.48	151.00	4.32	20.49	11.90	1797.23	4.24	50.51	11206.33	7623.56	10396.77	18020.33	37158.55	0.48
4.89	6.46	152.00	4.30	20.62	11.90	1809.13	4.21	50.32	11256.66	7624.17	10346.44	17970.61	36917.01	0.49
7.44	6.43	153.00	4.27	20.76	11.90	1821.03	4.19	50.01	11306.67	7629.86	10296.43	17926.29	36703.09	0.49
6.84	6.43	154.00	4.27	20.90	11.90	1832.93	4.19	49.86	11356.53	7677.93	10246.57	17924.49	36694.50	0.49
5.45	6.42	155.00	4.26	21.03	11.90	1844.84	4.18	49.80	11406.33	7709.68	10196.77	17906.45	36608.57	0.49
6.29	6.40	156.00	4.24	21.17	11.90	1856.74	4.16	49.64	11455.97	7728.46	10147.13	17875.59	36462.48	0.49
4.62	6.39	157.00	4.23	21.30	11.90	1868.64	4.15	49.48	11505.46	7759.67	10097.65	17857.32	36376.54	0.49
11.38	6.38	158.00	4.22	21.44	11.90	1880.54	4.14	49.35	11554.80	7784.39	10048.30	17832.69	36261.47	0.49
5.21	6.36	159.00	4.20	21.57	11.90	1892.45	4.12	49.16	11603.96	7798.26	9999.14	17797.40	36097.59	0.49
4.08	6.36	160.00	4.20	21.71	11.90	1904.35	4.12	49.03	11652.99	7842.56	9950.11	17792.67	36075.76	0.49
3.80	6.31	161.00	4.15	21.85	11.90	1916.25	4.07	48.74	11701.73	7801.34	9901.38	17702.72	35663.27	0.50
4.71	6.29	162.00	4.13	21.98	11.90	1928.15	4.06	48.36	11750.09	7819.53	9853.01	17672.55	35525.78	0.50
3.41	6.27	163.00	4.11	22.12	11.90	1940.05	4.03	48.10	11798.19	7812.61	9804.91	17617.52	35276.56	0.50
2.40	6.22	164.00	4.06	22.25	11.90	1951.96	3.98	47.64	11845.83	7766.49	9757.27	17523.76	34854.50	0.50
4.49	6.20	165.00	4.04	22.39	11.90	1963.86	3.96	47.24	11893.07	7775.54	9710.03	17485.57	34683.61	0.50
4.23	6.14	166.00	3.98	22.52	11.90	1975.76	3.90	46.80	11939.87	7714.12	9663.23	17377.35	34202.37	0.51
3.08	6.13	167.00	3.97	22.66	11.90	1987.66	3.89	46.41	11986.28	7741.09	9616.82	17357.91	34116.43	0.51
5.44	6.11	168.00	3.95	22.80	11.90	1999.57	3.88	46.25	12032.54	7754.10	9570.57	17324.67	33970.34	0.51
7.19	6.09	169.00	3.93	22.93	11.90	2011.47	3.86	46.02	12078.56	7754.87	9524.55	17279.42	33772.69	0.51
4.40	6.08	170.00	3.92	23.07	11.90	2023.37	3.84	45.81	12124.37	7774.95	9478.73	17253.69	33660.97	0.51
7.30	6.08	171.00	3.92	23.20	11.90	2035.27	3.84	45.72	12170.09	7816.70	9433.01	17249.71	33643.79	0.51
4.45	6.06	172.00	3.90	23.34	11.90	2047.17	3.83	45.63	12215.72	7834.29	9387.38	17221.67	33523.48	0.51
5.32	6.00	173.00	3.84	23.47	11.90	2059.08	3.77	45.19	12260.91	7754.60	9342.20	17096.80	32990.68	0.52
7.00	6.00	174.00	3.84	23.61	11.90	2070.98	3.76	44.80	12305.71	7791.30	9297.39	17088.69	32956.30	0.52
9.70	5.98	175.00	3.82	23.74	11.90	2082.88	3.75	44.71	12350.42	7813.60	9252.68	17066.28	32861.77	0.52
3.60	5.97	176.00	3.81	23.88	11.90	2094.78	3.74	44.57	12394.99	7829.48	9208.11	17037.59	32741.46	0.52
4.22	5.96	177.00	3.80	24.02	11.90	2106.68	3.73	44.42	12439.40	7849.17	9163.70	17012.86	32638.34	0.52
4.25	5.95	178.00	3.79	24.15	11.90	2118.59	3.72	44.30	12483.70	7876.89	9119.40	16996.28	32569.59	0.52
5.19	5.94	179.00	3.78	24.29	11.90	2130.49	3.71	44.20	12527.90	7902.33	9075.20	16977.53	32492.25	0.52

7.66	5.94	180.00	3.78	24.42	11.90	2142.39	3.71	44.13	12572.03	7940.17	9031.07	16971.24	32466.47	0.52
9.23	5.93	181.00	3.77	24.56	11.90	2154.29	3.70	44.05	12616.09	7963.15	8987.02	16950.16	32380.53	0.52
14.66	5.91	182.00	3.75	24.69	11.90	2166.20	3.68	43.89	12659.98	7968.89	8943.13	16912.02	32225.85	0.52
7.10	5.91	183.00	3.75	24.83	11.90	2178.10	3.68	43.77	12703.74	8006.27	8899.36	16905.63	32200.07	0.53
5.87	5.89	184.00	3.73	24.97	11.90	2190.00	3.66	43.63	12747.37	8004.90	8855.73	16860.63	32019.60	0.53
4.82	5.88	185.00	3.72	25.10	11.90	2201.90	3.65	43.45	12790.82	8028.97	8812.28	16841.24	31942.26	0.53
4.44	5.87	186.00	3.71	25.24	11.90	2213.80	3.63	43.33	12834.15	8046.30	8768.95	16815.25	31839.14	0.53
2.83	5.83	187.00	3.67	25.37	11.90	2225.71	3.60	43.04	12877.19	8006.59	8725.91	16732.50	31512.58	0.53
1.17	5.81	188.00	3.65	25.51	11.90	2237.61	3.58	42.71	12919.90	8009.61	8683.20	16692.81	31356.75	0.53
1.65	5.79	189.00	3.63	25.64	11.90	2249.51	3.56	42.49	12962.40	8010.58	8640.71	16651.28	31194.62	0.53
1.50	5.79	190.00	3.63	25.78	11.90	2261.41	3.56	42.38	13004.78	8052.96	8598.32	16651.28	31194.62	0.53
4.29	5.78	191.00	3.62	25.92	11.90	2273.32	3.55	42.32	13047.10	8070.81	8556.00	16626.81	31100.09	0.53
5.05	5.78	192.00	3.62	26.05	11.90	2285.22	3.55	42.26	13089.35	8113.07	8513.75	16626.81	31100.09	0.53
7.45	5.78	193.00	3.62	26.19	11.90	2297.12	3.55	42.24	13131.59	8148.56	8471.51	16620.07	31074.31	0.53
5.91	5.77	194.00	3.61	26.32	11.90	2309.02	3.54	42.17	13173.77	8172.66	8429.34	16602.00	31005.56	0.54
4.17	5.77	195.00	3.61	26.46	11.90	2320.92	3.54	42.13	13215.89	8214.79	8387.21	16602.00	31005.56	0.54
6.52	5.73	196.00	3.57	26.59	11.90	2332.83	3.50	41.90	13257.79	8167.67	8345.31	16512.97	30670.42	0.54
4.13	5.72	197.00	3.56	26.73	11.90	2344.73	3.49	41.62	13299.41	8188.64	8303.69	16492.32	30593.07	0.54
4.35	5.71	198.00	3.55	26.87	11.90	2356.63	3.49	41.53	13340.94	8216.33	8262.16	16478.49	30541.51	0.54
2.05	5.71	199.00	3.55	27.00	11.90	2368.53	3.48	41.48	13382.42	8250.86	8220.68	16471.54	30515.73	0.54
3.86	5.70	200.00	3.54	27.14	11.90	2380.43	3.47	41.37	13423.79	8255.08	8179.31	16434.39	30378.70	0.54
1.69	5.69	201.00	3.53	27.27	11.90	2392.34	3.46	41.26	13465.05	8289.19	8138.05	16427.24	30352.45	0.54
2.14	5.69	202.00	3.53	27.41	11.90	2404.24	3.46	41.23	13506.28	8325.71	8096.82	16422.54	30335.27	0.54
5.08	5.68	203.00	3.52	27.54	11.90	2416.14	3.46	41.17	13547.45	8347.97	8055.65	16403.62	30266.52	0.54
3.50	5.68	204.00	3.52	27.68	11.90	2428.04	3.45	41.11	13588.55	8382.93	8014.55	16397.48	30244.31	0.54
5.77	5.65	205.00	3.49	27.82	11.90	2439.95	3.42	40.92	13629.47	8351.22	7973.63	16324.86	29982.93	0.54
4.69	5.65	206.00	3.49	27.95	11.90	2451.85	3.42	40.72	13670.19	8384.75	7932.91	16317.66	29957.15	0.54
5.65	5.64	207.00	3.48	28.09	11.90	2463.75	3.42	40.69	13710.88	8420.30	7892.22	16312.52	29938.85	0.54
2.92	5.60	208.00	3.44	28.22	11.90	2475.65	3.37	40.42	13751.30	8354.43	7851.80	16206.23	29561.85	0.55
2.97	5.59	209.00	3.43	28.36	11.90	2487.55	3.36	40.10	13791.40	8367.76	7811.70	16179.46	29467.32	0.55
1.78	5.58	210.00	3.42	28.49	11.90	2499.46	3.36	40.01	13831.41	8395.53	7771.69	16167.22	29424.35	0.55
2.95	5.54	211.00	3.38	28.63	11.90	2511.36	3.32	39.74	13871.15	8334.50	7731.95	16066.45	29072.01	0.55
1.32	5.54	212.00	3.38	28.77	11.90	2523.26	3.32	39.49	13910.64	8369.05	7692.46	16061.52	29054.83	0.55
1.18	5.50	213.00	3.34	28.90	11.90	2535.16	3.27	39.23	13949.86	8301.59	7653.24	15954.83	28685.30	0.56
2.52	5.47	214.00	3.31	29.04	11.90	2547.07	3.25	38.83	13988.70	8280.60	7614.40	15895.00	28479.06	0.56
5.83	5.47	215.00	3.31	29.17	11.90	2558.97	3.25	38.67	14027.37	8309.25	7575.73	15884.98	28444.68	0.56
3.38	5.45	216.00	3.29	29.31	11.90	2570.87	3.23	38.54	14065.91	8299.38	7537.20	15836.57	28279.36	0.56
6.75	5.45	217.00	3.29	29.44	11.90	2582.77	3.23	38.41	14104.32	8333.34	7498.78	15832.12	28264.22	0.56
4.22	5.44	218.00	3.28	29.58	11.90	2594.67	3.22	38.35	14142.67	8348.83	7460.43	15809.26	28186.88	0.56
3.58	5.44	219.00	3.28	29.72	11.90	2606.58	3.21	38.27	14180.94	8374.34	7422.17	15796.51	28143.91	0.56
2.57	5.43	220.00	3.27	29.85	11.90	2618.48	3.21	38.22	14219.16	8404.88	7383.94	15788.82	28118.13	0.56
3.66	5.43	221.00	3.27	29.99	11.90	2630.38	3.21	38.19	14257.35	8437.92	7345.75	15783.67	28100.94	0.56

4.65	5.42	222.00	3.26	30.12	11.90	2642.28	3.19	38.10	14295.45	8439.81	7307.65	15747.46	27980.63	0.56
4.26	5.41	223.00	3.25	30.26	11.90	2654.18	3.19	37.99	14333.44	8464.81	7269.66	15734.47	27937.66	0.56
3.03	5.40	224.00	3.24	30.39	11.90	2666.09	3.18	37.92	14371.36	8484.46	7231.75	15716.21	27877.51	0.56
3.44	5.40	225.00	3.24	30.53	11.90	2677.99	3.18	37.85	14409.20	8509.20	7193.90	15703.10	27834.54	0.56
3.36	5.39	226.00	3.23	30.66	11.90	2689.89	3.17	37.78	14446.99	8531.19	7156.12	15687.30	27782.98	0.56
5.39	5.39	227.00	3.23	30.80	11.90	2701.79	3.17	37.73	14484.72	8560.98	7118.38	15679.37	27757.20	0.56
3.89	5.36	228.00	3.20	30.94	11.90	2713.70	3.14	37.56	14522.28	8529.48	7080.82	15610.30	27533.77	0.57
6.75	5.35	229.00	3.19	31.07	11.90	2725.60	3.13	37.33	14559.61	8529.46	7043.49	15572.95	27413.46	0.57
6.40	5.34	230.00	3.18	31.21	11.90	2737.50	3.12	37.20	14596.81	8545.22	7006.29	15551.52	27344.71	0.57
4.16	5.34	231.00	3.18	31.34	11.90	2749.40	3.12	37.12	14633.93	8566.19	6969.18	15535.37	27293.15	0.57
3.64	5.33	232.00	3.17	31.48	11.90	2761.30	3.11	37.02	14670.95	8576.19	6932.15	15508.34	27207.21	0.57
4.44	5.32	233.00	3.16	31.61	11.90	2773.21	3.10	36.94	14707.89	8599.55	6895.21	15494.76	27164.24	0.57
2.47	5.32	234.00	3.16	31.75	11.90	2785.11	3.10	36.87	14744.76	8620.06	6858.34	15478.41	27112.68	0.57
2.19	5.31	235.00	3.15	31.89	11.90	2797.01	3.09	36.82	14781.58	8648.67	6821.52	15470.19	27086.90	0.57
1.58	5.26	236.00	3.10	32.02	11.90	2808.91	3.04	36.50	14818.08	8542.19	6785.02	15327.21	26640.04	0.58
1.74	5.21	237.00	3.05	32.16	11.90	2820.82	2.99	35.89	14853.97	8431.72	6749.14	15180.85	26184.58	0.58
1.86	5.20	238.00	3.04	32.29	11.90	2832.72	2.99	35.56	14889.53	8458.92	6713.58	15172.50	26158.68	0.58
3.99	5.19	239.00	3.03	32.43	11.90	2844.62	2.97	35.45	14924.98	8452.64	6678.12	15130.76	26029.89	0.58
6.20	5.19	240.00	3.03	32.56	11.90	2856.52	2.97	35.35	14960.33	8479.60	6642.77	15122.37	26004.11	0.58
3.82	5.18	241.00	3.02	32.70	11.90	2868.42	2.96	35.30	14995.63	8498.05	6607.48	15105.53	25952.55	0.58
7.52	5.17	242.00	3.01	32.84	11.90	2880.33	2.95	35.20	15030.83	8505.06	6572.27	15077.33	25866.62	0.58
3.23	5.15	243.00	2.99	32.97	11.90	2892.23	2.93	35.00	15065.83	8469.27	6537.27	15006.54	25651.78	0.59
3.18	5.14	244.00	2.98	33.11	11.90	2904.13	2.93	34.83	15100.66	8494.72	6502.44	14997.16	25623.41	0.59
2.52	5.11	245.00	2.95	33.24	11.90	2916.03	2.89	34.63	15135.29	8438.85	6467.81	14906.66	25351.00	0.59
5.54	5.11	246.00	2.95	33.38	11.90	2927.93	2.89	34.44	15169.73	8470.42	6433.37	14903.80	25342.41	0.59
2.81	5.10	247.00	2.94	33.51	11.90	2939.84	2.88	34.37	15204.10	8474.73	6399.00	14873.73	25252.64	0.59
5.31	5.08	248.00	2.92	33.65	11.90	2951.74	2.86	34.20	15238.30	8455.32	6364.80	14820.11	25093.20	0.59
3.92	5.08	249.00	2.92	33.79	11.90	2963.64	2.86	34.09	15272.39	8486.50	6330.71	14817.21	25084.60	0.59
3.43	5.07	250.00	2.91	33.92	11.90	2975.54	2.85	34.03	15306.42	8494.31	6296.68	14790.99	25007.26	0.59
5.54	5.07	251.00	2.91	34.06	11.90	2987.45	2.85	33.95	15340.37	8513.64	6262.73	14776.37	24964.29	0.59
5.73	5.05	252.00	2.89	34.19	11.90	2999.35	2.84	33.85	15374.22	8515.19	6228.88	14744.07	24869.76	0.59
4.40	5.05	253.00	2.89	34.33	11.90	3011.25	2.84	33.78	15408.00	8543.07	6195.10	14738.17	24852.58	0.59
10.41	5.04	254.00	2.88	34.46	11.90	3023.15	2.82	33.68	15441.68	8532.35	6161.42	14693.77	24723.67	0.59
7.32	5.02	255.00	2.86	34.60	11.90	3035.05	2.81	33.51	15475.19	8524.26	6127.91	14652.17	24603.36	0.60
4.58	5.01	256.00	2.85	34.74	11.90	3046.96	2.79	33.32	15508.52	8503.89	6094.59	14598.47	24448.68	0.60
3.89	4.99	257.00	2.83	34.87	11.90	3058.86	2.78	33.14	15541.66	8498.10	6061.44	14559.54	24336.96	0.60
3.51	4.98	258.00	2.82	35.01	11.90	3070.76	2.77	33.00	15574.65	8495.01	6028.45	14523.46	24233.84	0.60
4.66	4.98	259.00	2.82	35.14	11.90	3082.66	2.77	32.93	15607.58	8527.94	5995.52	14523.46	24233.84	0.60
2.57	4.98	260.00	2.82	35.28	11.90	3094.57	2.77	32.93	15640.51	8560.87	5962.59	14523.46	24233.84	0.60
2.13	4.94	261.00	2.78	35.41	11.90	3106.47	2.73	32.69	15673.19	8468.85	5929.91	14398.76	23881.50	0.60
4.13	4.91	262.00	2.75	35.55	11.90	3118.37	2.70	32.28	15705.48	8415.64	5897.62	14313.26	23640.88	0.61
8.64	4.91	263.00	2.75	35.69	11.90	3130.27	2.70	32.11	15737.59	8444.69	5865.51	14310.20	23632.29	0.61

3.87	4.89	264.00	2.73	35.82	11.90	3142.17	2.68	32.00	15769.60	8421.32	5833.50	14254.82	23477.61	0.61
3.41	4.89	265.00	2.73	35.96	11.90	3154.08	2.68	31.89	15801.49	8450.12	5801.61	14251.73	23469.01	0.61
5.41	4.88	266.00	2.72	36.09	11.90	3165.98	2.67	31.85	15833.34	8460.27	5769.76	14230.03	23408.86	0.61
8.15	4.86	267.00	2.70	36.23	11.90	3177.88	2.65	31.67	15865.01	8420.37	5738.09	14158.46	23211.21	0.61
3.04	4.86	268.00	2.70	36.36	11.90	3189.78	2.65	31.53	15896.54	8448.78	5706.56	14155.34	23202.61	0.61
4.89	4.83	269.00	2.67	36.50	11.90	3201.68	2.62	31.37	15927.91	8395.01	5675.20	14070.20	22969.24	0.61
3.80	4.83	270.00	2.67	36.64	11.90	3213.59	2.62	31.19	15959.10	8417.25	5644.00	14061.26	22944.81	0.61
5.65	4.82	271.00	2.66	36.77	11.90	3225.49	2.61	31.12	15990.22	8419.95	5612.88	14032.83	22867.46	0.61
5.77	4.82	272.00	2.66	36.91	11.90	3237.39	2.61	31.06	16021.28	8444.67	5581.82	14026.49	22850.28	0.61
2.58	4.78	273.00	2.62	37.04	11.90	3249.29	2.57	30.84	16052.12	8361.45	5550.99	13912.44	22542.22	0.62
2.10	4.78	274.00	2.62	37.18	11.90	3261.20	2.57	30.63	16082.74	8390.92	5520.36	13911.28	22539.12	0.62
3.08	4.75	275.00	2.59	37.31	11.90	3273.10	2.54	30.44	16113.18	8319.47	5489.92	13809.39	22265.91	0.62
5.94	4.75	276.00	2.59	37.45	11.90	3285.00	2.54	30.23	16143.41	8339.76	5459.69	13799.45	22239.37	0.62
5.71	4.73	277.00	2.57	37.58	11.90	3296.90	2.52	30.09	16173.51	8302.35	5429.59	13731.94	22059.67	0.62
6.63	4.72	278.00	2.56	37.72	11.90	3308.80	2.51	29.93	16203.44	8309.60	5399.66	13709.26	21999.51	0.62
4.33	4.71	279.00	2.55	37.86	11.90	3320.71	2.50	29.83	16233.27	8306.91	5369.83	13676.74	21913.58	0.62
5.05	4.70	280.00	2.54	37.99	11.90	3332.61	2.49	29.73	16263.00	8310.53	5340.10	13650.63	21844.83	0.62
6.39	4.69	281.00	2.53	38.13	11.90	3344.51	2.48	29.60	16292.60	8297.56	5310.50	13608.06	21733.11	0.63
8.02	4.69	282.00	2.53	38.26	11.90	3356.41	2.48	29.52	16322.13	8323.80	5280.97	13604.77	21724.52	0.63
2.58	4.68	283.00	2.52	38.40	11.90	3368.32	2.47	29.45	16351.57	8313.66	5251.53	13565.19	21621.40	0.63
2.63	4.67	284.00	2.51	38.53	11.90	3380.22	2.46	29.35	16380.93	8328.50	5222.18	13550.68	21583.73	0.63
2.63	4.67	285.00	2.51	38.67	11.90	3392.12	2.46	29.32	16410.24	8352.45	5192.86	13545.31	21569.84	0.63
1.21	4.67	286.00	2.51	38.81	11.90	3404.02	2.46	29.31	16439.55	8381.76	5163.55	13545.31	21569.84	0.63
1.37	4.66	287.00	2.50	38.94	11.90	3415.92	2.45	29.26	16468.81	8384.26	5134.29	13518.55	21501.09	0.63
2.21	4.66	288.00	2.50	39.08	11.90	3427.83	2.45	29.20	16498.01	8406.74	5105.09	13511.83	21483.90	0.63
6.90	4.66	289.00	2.50	39.21	11.90	3439.73	2.45	29.18	16527.19	8432.56	5075.91	13508.47	21475.31	0.63
8.61	4.65	290.00	2.49	39.35	11.90	3451.63	2.45	29.14	16556.34	8441.42	5046.76	13488.18	21423.75	0.63
10.23	4.65	291.00	2.49	39.48	11.90	3463.53	2.44	29.08	16585.42	8456.94	5017.68	13474.62	21389.37	0.63
7.24	4.63	292.00	2.47	39.62	11.90	3475.43	2.42	28.94	16614.36	8412.10	4988.74	13400.84	21203.11	0.63
4.38	4.63	293.00	2.47	39.76	11.90	3487.34	2.42	28.80	16643.16	8434.95	4959.94	13394.90	21188.14	0.63
3.96	4.62	294.00	2.46	39.89	11.90	3499.24	2.42	28.77	16671.93	8454.87	4931.17	13386.04	21165.94	0.63
4.01	4.62	295.00	2.46	40.03	11.90	3511.14	2.42	28.76	16700.69	8483.63	4902.41	13386.04	21165.94	0.63
3.53	4.61	296.00	2.45	40.16	11.90	3523.04	2.41	28.71	16729.39	8481.28	4873.71	13354.99	21088.60	0.63
3.15	4.60	297.00	2.44	40.30	11.90	3534.95	2.39	28.58	16757.97	8464.86	4845.13	13309.99	20976.88	0.63
3.81	4.59	298.00	2.43	40.43	11.90	3546.85	2.38	28.41	16786.38	8437.68	4816.72	13254.41	20839.38	0.64
6.52	4.58	299.00	2.42	40.57	11.90	3558.75	2.37	28.26	16814.64	8434.58	4788.46	13223.04	20762.04	0.64
3.00	4.55	300.00	2.39	40.71	11.90	3570.65	2.34	28.06	16842.70	8371.72	4760.40	13132.12	20538.61	0.64
2.39	4.54	301.00	2.38	40.84	11.90	3582.55	2.33	27.85	16870.55	8364.48	4732.56	13097.03	20452.67	0.64
11.25	4.53	302.00	2.37	40.98	11.90	3594.46	2.32	27.73	16898.28	8357.00	4704.83	13061.83	20366.74	0.64
11.54	4.51	303.00	2.35	41.11	11.90	3606.36	2.30	27.53	16925.81	8299.77	4677.29	12977.06	20160.49	0.64
4.04	4.49	304.00	2.33	41.25	11.90	3618.26	2.29	27.30	16953.11	8273.92	4649.99	12923.91	20031.59	0.65
3.43	4.47	305.00	2.31	41.38	11.90	3630.16	2.27	27.10	16980.21	8231.12	4622.89	12854.00	19862.63	0.65

5.04	4.46	306.00	2.30	41.52	11.90	3642.07	2.26	26.94	17007.15	8228.31	4595.95	12824.26	19790.97	0.65
3.93	4.46	307.00	2.30	41.66	11.90	3653.97	2.25	26.85	17034.00	8230.11	4569.10	12799.21	19730.81	0.65
2.43	4.45	308.00	2.29	41.79	11.90	3665.87	2.25	26.78	17060.79	8242.53	4542.31	12784.85	19696.44	0.65
1.16	4.45	309.00	2.29	41.93	11.90	3677.77	2.25	26.75	17087.54	8262.08	4515.57	12777.64	19679.25	0.65
2.03	4.44	310.00	2.28	42.06	11.90	3689.67	2.24	26.70	17114.23	8263.48	4488.87	12752.35	19619.10	0.65
1.45	4.44	311.00	2.28	42.20	11.90	3701.58	2.24	26.64	17140.87	8279.24	4462.23	12741.47	19593.32	0.65
4.20	4.44	312.00	2.28	42.33	11.90	3713.48	2.24	26.62	17167.49	8305.86	4435.61	12741.47	19593.32	0.65
5.11	4.43	313.00	2.27	42.47	11.90	3725.38	2.22	26.55	17194.05	8288.63	4409.06	12697.69	19490.19	0.65
4.73	4.40	314.00	2.24	42.61	11.90	3737.28	2.20	26.34	17220.39	8227.12	4382.72	12609.83	19283.95	0.65
7.01	4.40	315.00	2.24	42.74	11.90	3749.18	2.20	26.17	17246.55	8231.25	4356.55	12587.80	19232.39	0.65
7.40	4.38	316.00	2.22	42.88	11.90	3761.09	2.18	26.03	17272.58	8194.66	4330.52	12525.18	19086.30	0.66
2.44	4.36	317.00	2.20	43.01	11.90	3772.99	2.16	25.81	17298.39	8142.87	4304.71	12447.57	18905.83	0.66
4.26	4.35	318.00	2.19	43.15	11.90	3784.89	2.15	25.64	17324.03	8138.85	4279.07	12417.92	18837.08	0.66
4.34	4.35	319.00	2.19	43.28	11.90	3796.79	2.15	25.57	17349.61	8149.54	4253.50	12403.04	18802.71	0.66
3.72	4.34	320.00	2.18	43.42	11.90	3808.70	2.14	25.48	17375.09	8133.99	4228.01	12362.01	18708.18	0.66
0.92	4.34	321.00	2.18	43.55	11.90	3820.60	2.13	25.41	17400.50	8151.91	4202.61	12354.52	18690.99	0.66
0.77	4.33	322.00	2.17	43.69	11.90	3832.50	2.13	25.39	17425.88	8173.55	4177.22	12350.77	18682.40	0.66
0.62	4.33	323.00	2.17	43.83	11.90	3844.40	2.12	25.34	17451.22	8168.76	4151.88	12320.64	18613.65	0.66
2.16	4.32	324.00	2.16	43.96	11.90	3856.30	2.12	25.26	17476.48	8171.35	4126.62	12297.98	18562.09	0.66
3.13	4.32	325.00	2.16	44.10	11.90	3868.21	2.12	25.21	17501.69	8192.78	4101.41	12294.19	18553.50	0.66
5.79	4.31	326.00	2.15	44.23	11.90	3880.11	2.11	25.18	17526.87	8198.96	4076.23	12275.19	18510.53	0.66
11.61	4.31	327.00	2.15	44.37	11.90	3892.01	2.11	25.14	17552.01	8220.29	4051.09	12271.38	18501.93	0.66
2.90	4.31	328.00	2.15	44.50	11.90	3903.91	2.11	25.10	17577.11	8218.62	4025.99	12244.61	18441.78	0.66
3.22	4.30	329.00	2.14	44.64	11.90	3915.82	2.10	25.01	17602.12	8212.94	4000.98	12213.92	18373.03	0.66
3.67	4.29	330.00	2.13	44.78	11.90	3927.72	2.09	24.89	17627.02	8191.67	3976.09	12167.76	18269.91	0.67
5.95	4.28	331.00	2.12	44.91	11.90	3939.62	2.08	24.81	17651.83	8208.21	3951.28	12159.49	18251.50	0.67
4.54	4.27	332.00	2.11	45.05	11.90	3951.52	2.07	24.73	17676.56	8190.92	3926.54	12117.46	18158.19	0.67
2.73	4.27	333.00	2.11	45.18	11.90	3963.42	2.07	24.66	17701.22	8207.82	3901.88	12109.70	18141.01	0.67
3.02	4.26	334.00	2.10	45.32	11.90	3975.33	2.06	24.58	17725.80	8185.67	3877.30	12062.97	18037.88	0.67
3.81	4.26	335.00	2.10	45.45	11.90	3987.23	2.06	24.50	17750.30	8202.35	3852.81	12055.16	18020.70	0.67
2.20	4.25	336.00	2.09	45.59	11.90	3999.13	2.05	24.41	17774.71	8179.76	3828.39	12008.15	17917.57	0.67
7.56	4.24	337.00	2.08	45.73	11.90	4011.03	2.04	24.32	17799.03	8188.37	3804.07	11992.44	17883.20	0.67
5.58	4.23	338.00	2.07	45.86	11.90	4022.93	2.03	24.23	17823.27	8169.25	3779.84	11949.09	17788.67	0.67
6.63	4.23	339.00	2.07	46.00	11.90	4034.84	2.03	24.15	17847.41	8177.59	3755.69	11933.28	17754.29	0.67
2.70	4.22	340.00	2.06	46.13	11.90	4046.74	2.02	24.08	17871.49	8169.95	3731.61	11901.57	17685.55	0.67
3.06	4.22	341.00	2.06	46.27	11.90	4058.64	2.02	24.02	17895.51	8190.00	3707.59	11897.59	17676.95	0.67
2.75	4.22	342.00	2.06	46.40	11.90	4070.54	2.02	24.01	17919.52	8210.66	3683.58	11894.24	17669.72	0.67
2.27	4.21	343.00	2.05	46.54	11.90	4082.45	2.01	23.97	17943.49	8210.00	3659.61	11869.61	17616.80	0.67
2.41	4.21	344.00	2.05	46.68	11.90	4094.35	2.01	23.94	17967.43	8233.94	3635.67	11869.61	17616.80	0.67
2.25	4.21	345.00	2.05	46.81	11.90	4106.25	2.01	23.92	17991.36	8249.82	3611.75	11861.56	17599.61	0.67
3.51	4.20	346.00	2.04	46.95	11.90	4118.15	2.00	23.86	18015.22	8237.37	3587.89	11825.26	17522.27	0.67
3.82	4.19	347.00	2.03	47.08	11.90	4130.05	1.99	23.75	18038.97	8224.71	3564.13	11788.85	17444.93	0.68



3.23	4.19	348.00	2.03	47.22	11.90	4141.96	1.99	23.68	18062.65	8236.23	3540.45	11776.67	17419.15	0.68
7.11	4.18	349.00	2.02	47.35	11.90	4153.86	1.98	23.63	18086.28	8231.37	3516.82	11748.19	17358.99	0.68
7.10	4.18	350.00	2.02	47.49	11.90	4165.76	1.98	23.58	18109.87	8254.02	3493.24	11747.25	17357.02	0.68
6.86	4.17	351.00	2.01	47.63	11.90	4177.66	1.97	23.54	18133.40	8245.75	3469.70	11715.45	17290.24	0.68
6.13	4.17	352.00	2.01	47.76	11.90	4189.57	1.97	23.48	18156.88	8261.03	3446.22	11707.24	17273.06	0.68
2.25	4.16	353.00	2.00	47.90	11.90	4201.47	1.96	23.42	18180.31	8251.52	3422.80	11674.32	17204.31	0.68
2.92	4.16	354.00	2.00	48.03	11.90	4213.37	1.96	23.35	18203.66	8258.36	3399.44	11657.81	17169.93	0.68
3.95	4.15	355.00	1.99	48.17	11.90	4225.27	1.96	23.30	18226.96	8260.97	3376.14	11637.11	17126.97	0.68
3.74	4.15	356.00	1.99	48.30	11.90	4237.17	1.95	23.24	18250.19	8259.30	3352.91	11612.21	17075.40	0.68
1.04	4.14	357.00	1.98	48.44	11.90	4249.08	1.94	23.16	18273.35	8253.32	3329.75	11583.07	17015.25	0.68
1.12	4.14	358.00	1.98	48.58	11.90	4260.98	1.94	23.10	18296.45	8259.72	3306.65	11566.37	16980.87	0.68
2.43	4.13	359.00	1.97	48.71	11.90	4272.88	1.94	23.06	18319.51	8274.41	3283.59	11558.00	16963.69	0.68
2.23	4.13	360.00	1.97	48.85	11.90	4284.78	1.93	23.03	18342.53	8280.64	3260.57	11541.21	16929.31	0.68
4.10	4.13	361.00	1.97	48.98	11.90	4296.68	1.93	23.00	18365.53	8303.64	3237.57	11541.21	16929.31	0.68
3.85	4.13	362.00	1.97	49.12	11.90	4308.59	1.93	22.98	18388.51	8309.74	3214.59	11524.33	16894.94	0.68
9.83	4.12	363.00	1.96	49.25	11.90	4320.49	1.92	22.92	18411.43	8307.26	3191.67	11498.93	16843.38	0.68
9.80	4.11	364.00	1.95	49.39	11.90	4332.39	1.91	22.81	18434.24	8274.90	3168.86	11443.76	16731.66	0.68
3.52	4.10	365.00	1.94	49.53	11.90	4344.29	1.90	22.69	18456.93	8267.80	3146.17	11413.97	16671.51	0.68
1.40	4.10	366.00	1.94	49.66	11.90	4356.20	1.90	22.65	18479.59	8290.45	3123.52	11413.97	16671.51	0.68
4.14	4.10	367.00	1.94	49.80	11.90	4368.10	1.90	22.65	18502.24	8313.10	3100.86	11413.97	16671.51	0.68
1.40	4.09	368.00	1.93	49.93	11.90	4380.00	1.90	22.62	18524.85	8309.97	3078.25	11388.22	16619.95	0.69
0.69	4.08	369.00	1.92	50.07	11.90	4391.90	1.89	22.51	18547.37	8280.85	3055.74	11336.59	16516.82	0.69
0.85	4.08	370.00	1.92	50.20	11.90	4403.80	1.88	22.40	18569.77	8273.05	3033.34	11306.39	16456.67	0.69
0.52	4.07	371.00	1.91	50.34	11.90	4415.71	1.88	22.35	18592.12	8291.08	3010.98	11302.06	16448.07	0.69
3.59	4.05	372.00	1.89	50.47	11.90	4427.61	1.86	22.23	18614.35	8226.56	2988.75	11215.31	16276.20	0.69
2.16	4.04	373.00	1.88	50.61	11.90	4439.51	1.84	22.03	18636.38	8183.35	2966.72	11150.07	16147.30	0.69
4.24	4.03	374.00	1.87	50.75	11.90	4451.41	1.83	21.89	18658.26	8165.98	2944.84	11110.82	16069.96	0.69
8.32	4.03	375.00	1.87	50.88	11.90	4463.32	1.83	21.81	18680.07	8170.30	2923.03	11093.33	16035.58	0.69
6.00	4.02	376.00	1.86	51.02	11.90	4475.22	1.83	21.78	18701.85	8183.31	2901.25	11084.56	16018.40	0.69
2.15	4.01	377.00	1.85	51.15	11.90	4487.12	1.82	21.71	18723.56	8161.06	2879.55	11040.60	15932.46	0.69
1.40	3.99	378.00	1.83	51.29	11.90	4499.02	1.80	21.53	18745.09	8094.43	2858.01	10952.45	15760.59	0.69
3.06	3.99	379.00	1.83	51.42	11.90	4510.92	1.80	21.40	18766.48	8102.57	2836.62	10939.19	15734.81	0.70
3.11	3.99	380.00	1.83	51.56	11.90	4522.83	1.79	21.36	18787.84	8110.64	2815.26	10925.90	15709.03	0.70
3.15	3.98	381.00	1.82	51.70	11.90	4534.73	1.79	21.31	18809.15	8105.29	2793.95	10899.24	15657.47	0.70
1.95	3.98	382.00	1.82	51.83	11.90	4546.63	1.79	21.26	18830.42	8117.64	2772.69	10890.33	15640.28	0.70
3.83	3.98	383.00	1.82	51.97	11.90	4558.53	1.78	21.23	18851.64	8121.01	2751.46	10872.47	15605.90	0.70
4.03	3.96	384.00	1.80	52.10	11.90	4570.43	1.76	21.08	18872.72	8048.06	2730.38	10778.43	15425.44	0.70
5.35	3.95	385.00	1.79	52.24	11.90	4582.34	1.76	20.95	18893.67	8062.08	2709.43	10771.51	15412.18	0.70
6.31	3.95	386.00	1.79	52.37	11.90	4594.24	1.76	20.92	18914.59	8067.44	2688.51	10755.95	15382.47	0.70
5.47	3.93	387.00	1.77	52.51	11.90	4606.14	1.74	20.81	18935.40	8016.04	2667.70	10683.74	15244.98	0.70
3.58	3.93	388.00	1.77	52.65	11.90	4618.04	1.74	20.70	18956.10	8029.43	2647.00	10676.43	15231.09	0.70
3.08	3.93	389.00	1.77	52.78	11.90	4629.95	1.74	20.69	18976.79	8043.84	2626.31	10670.15	15219.19	0.70

2.36	3.93	390.00	1.77	52.92	11.90	4641.85	1.73	20.65	18997.44	8041.75	2605.66	10647.41	15176.23	0.70
4.23	3.92	391.00	1.76	53.05	11.90	4653.75	1.73	20.58	19018.02	8034.98	2585.08	10620.06	15124.67	0.70
2.18	3.92	392.00	1.76	53.19	11.90	4665.65	1.72	20.53	19038.55	8037.22	2564.55	10601.77	15090.29	0.70
3.03	3.89	393.00	1.73	53.32	11.90	4677.55	1.70	20.37	19058.93	7956.77	2544.18	10500.95	14901.23	0.70
2.83	3.89	394.00	1.73	53.46	11.90	4689.46	1.70	20.25	19079.17	7977.02	2523.93	10500.95	14901.23	0.70
3.33	3.89	395.00	1.73	53.60	11.90	4701.36	1.70	20.23	19099.40	7983.43	2503.70	10487.13	14875.45	0.70
5.26	3.89	396.00	1.73	53.73	11.90	4713.26	1.70	20.19	19119.59	7989.77	2483.51	10473.28	14849.67	0.71
4.98	3.88	397.00	1.72	53.87	11.90	4725.16	1.69	20.14	19139.74	7982.13	2463.37	10445.50	14798.11	0.71
7.74	3.88	398.00	1.72	54.00	11.90	4737.07	1.69	20.09	19159.83	7992.94	2443.27	10436.22	14780.92	0.71
6.87	3.88	399.00	1.72	54.14	11.90	4748.97	1.68	20.07	19179.90	8000.70	2423.20	10423.91	14758.19	0.71
7.16	3.87	400.00	1.71	54.27	11.90	4760.87	1.68	20.02	19199.92	7995.75	2403.18	10398.93	14712.17	0.71
4.55	3.86	401.00	1.70	54.41	11.90	4772.77	1.67	19.93	19219.85	7968.92	2383.25	10352.17	14626.24	0.71
4.98	3.86	402.00	1.70	54.55	11.90	4784.67	1.66	19.84	19239.69	7965.32	2363.41	10328.73	14583.27	0.71
4.67	3.85	403.00	1.69	54.68	11.90	4796.58	1.66	19.77	19259.47	7952.20	2343.64	10295.83	14523.12	0.71
3.66	3.84	404.00	1.68	54.82	11.90	4808.48	1.65	19.67	19279.13	7920.04	2323.97	10244.01	14428.59	0.71
1.36	3.84	405.00	1.68	54.95	11.90	4820.38	1.65	19.60	19298.74	7939.64	2304.36	10244.01	14428.59	0.71
0.79	3.84	406.00	1.68	55.09	11.90	4832.28	1.64	19.59	19318.32	7945.03	2284.78	10229.80	14402.81	0.71
2.01	3.83	407.00	1.67	55.22	11.90	4844.18	1.64	19.53	19337.86	7936.08	2265.24	10201.33	14351.25	0.71
4.44	3.83	408.00	1.67	55.36	11.90	4856.09	1.64	19.49	19357.34	7944.80	2245.76	10190.56	14331.79	0.71
4.21	3.82	409.00	1.66	55.50	11.90	4867.99	1.63	19.45	19376.79	7946.43	2226.31	10172.73	14299.68	0.71
3.67	3.82	410.00	1.66	55.63	11.90	4879.89	1.63	19.41	19396.20	7946.71	2206.90	10153.61	14265.31	0.71
5.17	3.81	411.00	1.65	55.77	11.90	4891.79	1.62	19.32	19415.52	7918.10	2187.58	10105.68	14179.37	0.71
2.63	3.81	412.00	1.65	55.90	11.90	4903.70	1.62	19.27	19434.79	7937.37	2168.31	10105.68	14179.37	0.71
2.12	3.81	413.00	1.65	56.04	11.90	4915.60	1.62	19.25	19454.04	7942.17	2149.06	10091.23	14153.59	0.71
3.56	3.81	414.00	1.65	56.17	11.90	4927.50	1.61	19.22	19473.26	7956.56	2129.84	10086.40	14145.00	0.71
3.24	3.80	415.00	1.64	56.31	11.90	4939.40	1.61	19.18	19492.45	7946.71	2110.66	10057.36	14093.44	0.71
2.36	3.80	416.00	1.64	56.45	11.90	4951.30	1.61	19.15	19511.59	7965.86	2091.51	10057.36	14093.44	0.71
2.70	3.80	417.00	1.64	56.58	11.90	4963.21	1.61	19.13	19530.73	7970.40	2072.38	10042.77	14067.66	0.71
4.46	3.80	418.00	1.64	56.72	11.90	4975.11	1.60	19.10	19549.83	7979.75	2053.27	10033.03	14050.47	0.71
5.89	3.77	419.00	1.61	56.85	11.90	4987.01	1.58	18.96	19568.79	7891.21	2034.31	9925.52	13861.41	0.72
4.27	3.74	420.00	1.58	56.99	11.90	4998.91	1.55	18.64	19587.43	7748.22	2015.67	9763.89	13577.82	0.72
4.61	3.74	421.00	1.58	57.12	11.90	5010.82	1.55	18.44	19605.87	7761.75	1997.23	9758.98	13569.23	0.72
5.07	3.73	422.00	1.57	57.26	11.90	5022.72	1.54	18.39	19624.26	7740.77	1978.84	9719.61	13500.48	0.72
8.65	3.72	423.00	1.56	57.39	11.90	5034.62	1.53	18.25	19642.51	7680.09	1960.59	9640.68	13362.99	0.72
4.43	3.71	424.00	1.55	57.53	11.90	5046.52	1.52	18.11	19660.62	7658.64	1942.48	9601.12	13294.24	0.72
1.92	3.69	425.00	1.53	57.67	11.90	5058.42	1.50	17.99	19678.61	7612.19	1924.49	9536.68	13182.52	0.72
4.09	3.69	426.00	1.53	57.80	11.90	5070.33	1.50	17.87	19696.48	7595.28	1906.62	9501.91	13122.37	0.72
3.03	3.68	427.00	1.52	57.94	11.90	5082.23	1.49	17.79	19714.27	7578.21	1888.83	9467.05	13062.21	0.72
3.25	3.67	428.00	1.51	58.07	11.90	5094.13	1.48	17.69	19731.96	7545.99	1871.15	9417.13	12976.28	0.73
7.43	3.67	429.00	1.51	58.21	11.90	5106.03	1.48	17.63	19749.59	7563.62	1853.51	9417.13	12976.28	0.73
3.71	3.67	430.00	1.51	58.34	11.90	5117.93	1.48	17.62	19767.21	7573.42	1835.89	9409.32	12962.88	0.73
2.44	3.66	431.00	1.50	58.48	11.90	5129.84	1.47	17.56	19784.77	7548.56	1818.33	9366.88	12890.34	0.73

1.81	3.66	432.00	1.50	58.62	11.90	5141.74	1.47	17.51	19802.28	7561.03	1800.82	9361.85	12881.75	0.73
6.00	3.66	433.00	1.50	58.75	11.90	5153.64	1.47	17.50	19819.78	7578.53	1783.32	9361.85	12881.75	0.73
3.04	3.65	434.00	1.49	58.89	11.90	5165.54	1.47	17.47	19837.26	7570.69	1765.85	9336.54	12838.78	0.73
13.94	3.65	435.00	1.49	59.02	11.90	5177.45	1.46	17.39	19854.65	7542.43	1748.45	9290.88	12761.44	0.73
5.01	3.64	436.00	1.48	59.16	11.90	5189.35	1.45	17.29	19871.93	7513.95	1731.17	9245.12	12684.09	0.73
1.51	3.63	437.00	1.47	59.29	11.90	5201.25	1.45	17.22	19889.15	7515.87	1713.95	9229.83	12658.31	0.73
1.94	3.63	438.00	1.47	59.43	11.90	5213.15	1.44	17.18	19906.33	7512.86	1696.78	9209.64	12624.35	0.73
2.97	3.63	439.00	1.47	59.57	11.90	5225.05	1.44	17.15	19923.48	7529.77	1679.62	9209.39	12623.94	0.73
1.47	3.62	440.00	1.46	59.70	11.90	5236.96	1.43	17.11	19940.58	7505.84	1662.52	9168.35	12555.22	0.73
0.45	3.60	441.00	1.44	59.84	11.90	5248.86	1.41	16.94	19957.52	7414.75	1645.58	9060.33	12374.73	0.73
1.31	3.60	442.00	1.44	59.97	11.90	5260.76	1.41	16.80	19974.32	7416.08	1628.79	9044.87	12348.95	0.73
0.64	3.59	443.00	1.43	60.11	11.90	5272.66	1.40	16.75	19991.06	7406.99	1612.04	9019.03	12305.98	0.73
2.12	3.59	444.00	1.43	60.24	11.90	5284.57	1.40	16.71	20007.78	7418.53	1595.32	9013.85	12297.38	0.73
4.07	3.59	445.00	1.43	60.38	11.90	5296.47	1.40	16.69	20024.46	7414.46	1578.64	8993.09	12263.01	0.73
9.40	3.58	446.00	1.42	60.52	11.90	5308.37	1.39	16.62	20041.08	7394.66	1562.02	8956.68	12202.86	0.73
8.14	3.58	447.00	1.42	60.65	11.90	5320.27	1.39	16.56	20057.64	7390.37	1545.46	8935.83	12168.48	0.73
3.65	3.57	448.00	1.41	60.79	11.90	5332.17	1.38	16.47	20074.12	7354.59	1528.99	8883.58	12082.55	0.74
2.08	3.56	449.00	1.40	60.92	11.90	5344.08	1.38	16.40	20090.52	7358.01	1512.58	8870.59	12061.23	0.74
5.32	3.56	450.00	1.40	61.06	11.90	5355.98	1.37	16.37	20106.89	7355.90	1496.22	8852.12	12030.98	0.74
6.27	3.56	451.00	1.40	61.19	11.90	5367.88	1.37	16.35	20123.23	7372.25	1479.87	8852.12	12030.98	0.74
4.46	3.56	452.00	1.40	61.33	11.90	5379.78	1.37	16.35	20139.58	7388.59	1463.52	8852.12	12030.98	0.74
6.54	3.56	453.00	1.40	61.47	11.90	5391.68	1.37	16.32	20155.90	7378.49	1447.21	8825.70	11988.02	0.74
7.71	3.53	454.00	1.37	61.60	11.90	5403.59	1.35	16.15	20172.05	7272.86	1431.05	8703.91	11790.36	0.74
4.67	3.52	455.00	1.36	61.74	11.90	5415.49	1.33	15.95	20188.00	7225.13	1415.10	8640.23	11687.24	0.74
9.18	3.51	456.00	1.35	61.87	11.90	5427.39	1.33	15.84	20203.84	7209.06	1399.26	8608.32	11635.68	0.74
5.07	3.51	457.00	1.35	62.01	11.90	5439.29	1.32	15.79	20219.63	7203.53	1383.47	8587.00	11601.31	0.74
4.17	3.50	458.00	1.34	62.14	11.90	5451.20	1.32	15.73	20235.36	7187.21	1367.74	8554.95	11549.74	0.74
5.43	3.50	459.00	1.34	62.28	11.90	5463.10	1.32	15.68	20251.04	7192.18	1352.06	8544.24	11532.56	0.74
4.13	3.48	460.00	1.32	62.42	11.90	5475.00	1.29	15.52	20266.56	7073.57	1336.54	8410.11	11317.72	0.74
3.98	3.47	461.00	1.31	62.55	11.90	5486.90	1.29	15.34	20281.90	7050.76	1321.20	8371.97	11256.75	0.74
4.13	3.47	462.00	1.31	62.69	11.90	5498.80	1.28	15.28	20297.18	7055.78	1305.92	8361.70	11240.38	0.74
5.18	3.45	463.00	1.29	62.82	11.90	5510.71	1.27	15.18	20312.36	6989.22	1290.74	8279.96	11110.29	0.75
6.69	3.44	464.00	1.28	62.96	11.90	5522.61	1.25	15.00	20327.36	6912.96	1275.74	8188.70	10965.38	0.75
5.60	3.43	465.00	1.27	63.09	11.90	5534.51	1.25	14.86	20342.22	6895.28	1260.88	8156.16	10913.82	0.75
4.36	3.43	466.00	1.27	63.23	11.90	5546.41	1.24	14.81	20357.04	6893.79	1246.07	8139.85	10888.04	0.75
4.18	3.43	467.00	1.27	63.36	11.90	5558.32	1.24	14.79	20371.82	6903.13	1231.28	8134.41	10879.45	0.75
3.56	3.42	468.00	1.26	63.50	11.90	5570.22	1.24	14.76	20386.58	6896.05	1216.52	8112.57	10845.07	0.75
6.57	3.41	469.00	1.25	63.64	11.90	5582.12	1.23	14.69	20401.27	6866.98	1201.83	8068.81	10776.32	0.75
4.19	3.41	470.00	1.25	63.77	11.90	5594.02	1.23	14.62	20415.89	6865.16	1187.21	8052.36	10750.54	0.75
4.86	3.40	471.00	1.24	63.91	11.90	5605.92	1.22	14.55	20430.45	6830.07	1172.65	8002.73	10672.90	0.75
5.72	3.39	472.00	1.23	64.04	11.90	5617.83	1.20	14.41	20444.86	6762.10	1158.24	7920.34	10544.30	0.75
4.83	3.38	473.00	1.22	64.18	11.90	5629.73	1.20	14.30	20459.17	6754.34	1143.94	7898.28	10509.92	0.75

4.21	3.38	474.00	1.22	64.31	11.90	5641.63	1.20	14.27	20473.43	6757.55	1129.67	7887.22	10492.74	0.75
2.84	3.38	475.00	1.22	64.45	11.90	5653.53	1.20	14.25	20487.69	6769.62	1115.41	7885.03	10489.34	0.75
3.23	3.37	476.00	1.21	64.59	11.90	5665.43	1.19	14.20	20501.88	6730.49	1101.22	7831.70	10406.80	0.75
1.83	3.36	477.00	1.20	64.72	11.90	5677.34	1.17	14.05	20515.93	6655.51	1087.17	7742.69	10269.30	0.75
1.85	3.33	478.00	1.17	64.86	11.90	5689.24	1.15	13.81	20529.74	6529.94	1073.36	7603.30	10054.47	0.76
1.80	3.32	479.00	1.16	64.99	11.90	5701.14	1.14	13.62	20543.36	6504.45	1059.74	7564.19	9994.31	0.76
3.10	3.32	480.00	1.16	65.13	11.90	5713.04	1.14	13.57	20556.93	6512.42	1046.17	7558.60	9985.72	0.76
3.02	3.32	481.00	1.16	65.26	11.90	5724.95	1.14	13.57	20570.50	6525.99	1032.60	7558.60	9985.72	0.76
9.90	3.32	482.00	1.16	65.40	11.90	5736.85	1.14	13.56	20584.05	6528.30	1019.05	7547.35	9968.53	0.76
5.69	3.28	483.00	1.12	65.54	11.90	5748.75	1.10	13.29	20597.35	6299.35	1005.75	7305.10	9599.01	0.76
5.97	3.26	484.00	1.10	65.67	11.90	5760.65	1.08	12.95	20610.30	6227.62	992.80	7220.42	9470.10	0.76
2.85	3.25	485.00	1.09	65.81	11.90	5772.55	1.07	12.82	20623.12	6195.19	979.98	7175.17	9401.35	0.76
1.90	3.24	486.00	1.08	65.94	11.90	5784.46	1.06	12.69	20635.81	6128.52	967.29	7095.80	9281.04	0.76
2.76	3.24	487.00	1.08	66.08	11.90	5796.36	1.06	12.59	20648.40	6118.38	954.70	7073.08	9246.67	0.76
4.32	3.23	488.00	1.07	66.21	11.90	5808.26	1.05	12.55	20660.95	6119.55	942.15	7061.70	9229.48	0.77
2.16	3.23	489.00	1.07	66.35	11.90	5820.16	1.05	12.52	20673.47	6109.25	929.63	7038.88	9195.11	0.77
1.68	3.23	490.00	1.07	66.49	11.90	5832.07	1.05	12.49	20685.96	6121.74	917.14	7038.88	9195.11	0.77
1.45	3.22	491.00	1.06	66.62	11.90	5843.97	1.04	12.45	20698.41	6091.32	904.69	6996.01	9130.77	0.77
5.08	3.22	492.00	1.06	66.76	11.90	5855.87	1.04	12.39	20710.80	6089.28	892.30	6981.58	9109.17	0.77
3.68	3.20	493.00	1.04	66.89	11.90	5867.77	1.02	12.26	20723.06	5986.54	880.04	6866.57	8937.30	0.77
12.93	3.19	494.00	1.03	67.03	11.90	5879.67	1.01	12.09	20735.15	5946.77	867.95	6814.72	8859.96	0.77
8.11	3.18	495.00	1.02	67.16	11.90	5891.58	1.00	11.99	20747.14	5912.57	855.96	6768.52	8791.21	0.77
6.59	3.18	496.00	1.02	67.30	11.90	5903.48	1.00	11.90	20759.04	5878.18	844.06	6722.24	8722.46	0.77
2.07	3.17	497.00	1.01	67.44	11.90	5915.38	0.99	11.82	20770.86	5855.22	832.24	6687.46	8670.90	0.77
1.90	3.17	498.00	1.01	67.57	11.90	5927.28	0.99	11.77	20782.63	5853.05	820.48	6673.52	8650.29	0.77
2.99	3.17	499.00	1.01	67.71	11.90	5939.18	0.99	11.75	20794.38	5863.45	808.72	6672.17	8648.29	0.77
3.20	3.15	500.00	0.99	67.84	11.90	5951.09	0.97	11.65	20806.03	5779.64	797.07	6576.71	8507.62	0.77
1.35	3.15	501.00	0.99	67.98	11.90	5962.99	0.97	11.53	20817.57	5764.86	785.54	6550.40	8468.94	0.77
1.38	3.15	502.00	0.99	68.11	11.90	5974.89	0.97	11.50	20829.07	5773.45	774.03	6547.48	8464.66	0.77
3.56	3.14	503.00	0.98	68.25	11.90	5986.79	0.96	11.47	20840.54	5755.58	762.56	6518.14	8421.69	0.77
4.98	3.14	504.00	0.98	68.39	11.90	5998.70	0.96	11.44	20851.98	5767.03	751.12	6518.14	8421.69	0.77
8.11	3.13	505.00	0.97	68.52	11.90	6010.60	0.95	11.39	20863.37	5725.40	739.73	6465.13	8344.35	0.77
4.66	3.13	506.00	0.97	68.66	11.90	6022.50	0.95	11.33	20874.70	5730.83	728.40	6459.23	8335.75	0.77
7.27	3.12	507.00	0.96	68.79	11.90	6034.40	0.94	11.26	20885.96	5671.12	717.14	6388.26	8232.63	0.78
3.14	3.11	508.00	0.95	68.93	11.90	6046.30	0.93	11.15	20897.11	5646.72	705.99	6352.71	8181.07	0.78
2.22	3.11	509.00	0.95	69.06	11.90	6058.21	0.93	11.07	20908.19	5616.23	694.92	6311.15	8120.91	0.78
2.88	3.10	510.00	0.94	69.20	11.90	6070.11	0.92	11.01	20919.19	5600.41	683.91	6284.32	8082.16	0.78
3.14	3.10	511.00	0.94	69.34	11.90	6082.01	0.92	10.98	20930.17	5608.47	672.93	6281.40	8077.95	0.78
3.88	3.08	512.00	0.92	69.47	11.90	6093.91	0.91	10.88	20941.05	5517.81	662.05	6179.87	7931.86	0.78
3.48	3.08	513.00	0.92	69.61	11.90	6105.82	0.90	10.76	20951.81	5510.62	651.29	6161.91	7906.08	0.78
1.56	3.08	514.00	0.92	69.74	11.90	6117.72	0.90	10.74	20962.55	5521.36	640.55	6161.91	7906.08	0.78
2.13	3.08	515.00	0.92	69.88	11.90	6129.62	0.90	10.73	20973.28	5520.08	629.82	6149.90	7888.89	0.78

4.31	3.07	516.00	0.91	70.01	11.90	6141.52	0.90	10.69	20983.97	5500.67	619.13	6119.80	7845.92	0.78
2.99	3.07	517.00	0.91	70.15	11.90	6153.42	0.89	10.65	20994.62	5499.26	608.48	6107.74	7828.73	0.78
8.63	3.06	518.00	0.90	70.28	11.90	6165.33	0.88	10.56	21005.18	5431.27	597.92	6029.19	7717.02	0.78
6.06	3.06	519.00	0.90	70.42	11.90	6177.23	0.88	10.47	21015.65	5423.58	587.46	6011.03	7691.24	0.78
8.02	3.04	520.00	0.88	70.56	11.90	6189.13	0.86	10.37	21026.01	5349.02	577.09	5926.11	7570.93	0.78
2.49	3.04	521.00	0.88	70.69	11.90	6201.03	0.86	10.27	21036.28	5341.06	566.82	5907.88	7545.15	0.78
4.14	3.03	522.00	0.87	70.83	11.90	6212.93	0.85	10.20	21046.49	5302.55	556.61	5859.17	7476.40	0.78
6.36	3.03	523.00	0.87	70.96	11.90	6224.84	0.85	10.15	21056.64	5306.61	546.46	5853.07	7467.80	0.78
3.63	3.03	524.00	0.87	71.10	11.90	6236.74	0.85	10.13	21066.77	5298.40	536.33	5834.73	7442.02	0.78
3.56	3.02	525.00	0.86	71.23	11.90	6248.64	0.85	10.09	21076.86	5290.12	526.24	5816.36	7416.24	0.78
3.12	3.02	526.00	0.86	71.37	11.90	6260.54	0.84	10.06	21086.92	5281.77	516.18	5797.95	7390.46	0.78
1.85	3.00	527.00	0.84	71.51	11.90	6272.45	0.82	9.92	21096.85	5168.75	506.25	5675.00	7218.59	0.79
5.93	2.99	528.00	0.83	71.64	11.90	6284.35	0.82	9.77	21106.62	5141.56	496.48	5638.05	7167.03	0.79
5.68	2.99	529.00	0.83	71.78	11.90	6296.25	0.81	9.71	21116.33	5126.60	486.77	5613.36	7132.65	0.79
5.11	2.97	530.00	0.81	71.91	11.90	6308.15	0.80	9.59	21125.92	5024.90	477.18	5502.08	6977.97	0.79
5.33	2.97	531.00	0.81	72.05	11.90	6320.05	0.79	9.45	21135.37	5003.38	467.73	5471.11	6935.00	0.79
6.59	2.96	532.00	0.80	72.18	11.90	6331.96	0.79	9.39	21144.76	4975.53	458.34	5433.87	6883.44	0.79
4.10	2.95	533.00	0.79	72.32	11.90	6343.86	0.78	9.30	21154.06	4928.87	449.04	5377.92	6806.10	0.79
4.11	2.94	534.00	0.78	72.46	11.90	6355.76	0.77	9.19	21163.25	4875.77	439.85	5315.62	6720.16	0.79
4.53	2.93	535.00	0.77	72.59	11.90	6367.66	0.76	9.08	21172.33	4834.93	430.77	5265.70	6651.42	0.79
5.78	2.92	536.00	0.76	72.73	11.90	6379.57	0.75	8.98	21181.31	4781.38	421.79	5203.17	6565.48	0.79
4.16	2.92	537.00	0.76	72.86	11.90	6391.47	0.75	8.92	21190.23	4790.30	412.87	5203.17	6565.48	0.79
3.19	2.92	538.00	0.76	73.00	11.90	6403.37	0.75	8.90	21199.13	4774.10	403.97	5178.07	6531.11	0.79
4.60	2.92	539.00	0.76	73.13	11.90	6415.27	0.74	8.86	21207.99	4769.77	395.11	5164.88	6513.08	0.79
6.11	2.90	540.00	0.74	73.27	11.90	6427.17	0.73	8.74	21216.74	4665.74	386.37	5052.11	6359.23	0.79
5.91	2.89	541.00	0.73	73.41	11.90	6439.08	0.72	8.59	21225.33	4620.30	377.78	4998.08	6285.66	0.80
9.19	2.88	542.00	0.72	73.54	11.90	6450.98	0.71	8.47	21233.80	4556.45	369.30	4925.76	6187.36	0.80
9.82	2.86	543.00	0.70	73.68	11.90	6462.88	0.69	8.30	21242.09	4443.86	361.01	4804.87	6023.36	0.80
4.33	2.85	544.00	0.69	73.81	11.90	6474.78	0.68	8.12	21250.21	4382.72	352.89	4735.60	5929.56	0.80
2.44	2.85	545.00	0.69	73.95	11.90	6486.68	0.67	8.03	21258.24	4358.95	344.86	4703.81	5886.59	0.80
3.50	2.84	546.00	0.68	74.08	11.90	6498.59	0.67	7.97	21266.21	4335.08	336.89	4671.97	5843.62	0.80
5.39	2.83	547.00	0.67	74.22	11.90	6510.49	0.66	7.88	21274.09	4279.15	329.01	4608.16	5757.69	0.80
3.93	2.83	548.00	0.67	74.36	11.90	6522.39	0.66	7.81	21281.90	4274.18	321.20	4595.37	5740.50	0.80
1.49	2.83	549.00	0.67	74.49	11.90	6534.29	0.65	7.78	21289.69	4262.74	313.42	4576.16	5714.72	0.80
1.19	2.82	550.00	0.66	74.63	11.90	6546.20	0.65	7.75	21297.44	4257.67	305.66	4563.33	5697.53	0.80
1.74	2.81	551.00	0.65	74.76	11.90	6558.10	0.64	7.67	21305.10	4181.77	298.00	4479.77	5585.81	0.80
3.77	2.77	552.00	0.61	74.90	11.90	6570.00	0.60	7.37	21312.48	3950.89	290.62	4241.51	5267.85	0.81
5.15	2.77	553.00	0.61	75.03	11.90	6581.90	0.60	7.15	21319.62	3946.13	283.48	4229.60	5251.99	0.81
12.96	2.77	554.00	0.61	75.17	11.90	6593.80	0.60	7.12	21326.74	3934.56	276.36	4210.92	5227.14	0.81
4.34	2.76	555.00	0.60	75.31	11.90	6605.71	0.59	7.05	21333.80	3888.12	269.30	4157.42	5156.14	0.81
5.71	2.76	556.00	0.60	75.44	11.90	6617.61	0.59	7.00	21340.80	3888.63	262.31	4150.94	5147.54	0.81
2.46	2.75	557.00	0.59	75.58	11.90	6629.51	0.58	6.92	21347.72	3817.58	255.38	4072.97	5044.42	0.81

10.01	2.75	558.00	0.59	75.71	11.90	6641.41	0.57	6.84	21354.56	3811.41	248.54	4059.95	5027.23	0.81
6.58	2.73	559.00	0.57	75.85	11.90	6653.32	0.56	6.75	21361.32	3733.39	241.78	3975.17	4915.52	0.81
6.50	2.72	560.00	0.56	75.98	11.90	6665.22	0.55	6.60	21367.91	3648.53	235.19	3883.71	4795.21	0.81
2.68	2.70	561.00	0.54	76.12	11.90	6677.12	0.53	6.43	21374.35	3563.34	228.75	3792.09	4674.90	0.81
4.91	2.70	562.00	0.54	76.26	11.90	6689.02	0.53	6.34	21380.69	3556.57	222.41	3778.98	4657.71	0.81
5.94	2.70	563.00	0.54	76.39	11.90	6700.92	0.53	6.31	21386.99	3536.60	216.11	3752.71	4623.34	0.81
4.69	2.70	564.00	0.54	76.53	11.90	6712.83	0.52	6.26	21393.26	3523.13	209.84	3732.97	4597.55	0.81
6.08	2.68	565.00	0.52	76.66	11.90	6724.73	0.51	6.18	21399.43	3450.21	203.67	3653.88	4494.43	0.81
6.99	2.68	566.00	0.52	76.80	11.90	6736.63	0.51	6.07	21405.50	3410.06	197.60	3607.66	4434.28	0.81
9.45	2.68	567.00	0.52	76.93	11.90	6748.53	0.51	6.02	21411.52	3416.08	191.58	3607.66	4434.28	0.81
3.92	2.67	568.00	0.51	77.07	11.90	6760.43	0.50	5.98	21417.51	3375.68	185.59	3561.27	4374.12	0.81
3.26	2.67	569.00	0.51	77.20	11.90	6772.34	0.50	5.94	21423.45	3374.98	179.66	3554.64	4365.53	0.81
3.43	2.66	570.00	0.50	77.34	11.90	6784.24	0.49	5.87	21429.31	3307.70	173.79	3481.49	4271.00	0.82
8.39	2.65	571.00	0.49	77.48	11.90	6796.14	0.48	5.76	21435.08	3268.80	168.03	3436.83	4213.38	0.82
6.61	2.65	572.00	0.49	77.61	11.90	6808.04	0.48	5.72	21440.80	3272.56	162.30	3434.86	4210.84	0.82
2.67	2.63	573.00	0.47	77.75	11.90	6819.95	0.46	5.61	21446.41	3151.16	156.69	3307.85	4047.57	0.82
3.59	2.63	574.00	0.47	77.88	11.90	6831.85	0.46	5.50	21451.91	3156.66	151.19	3307.85	4047.57	0.82
3.32	2.63	575.00	0.47	78.02	11.90	6843.75	0.46	5.49	21457.40	3155.45	145.70	3301.15	4038.97	0.82
2.94	2.63	576.00	0.47	78.15	11.90	6855.65	0.46	5.46	21462.86	3127.31	140.24	3267.55	3996.01	0.82
2.18	2.62	577.00	0.46	78.29	11.90	6867.55	0.45	5.41	21468.27	3105.79	134.83	3240.62	3961.63	0.82
4.15	2.61	578.00	0.45	78.43	11.90	6879.46	0.44	5.31	21473.58	3030.87	129.52	3160.39	3859.38	0.82
7.17	2.61	579.00	0.45	78.56	11.90	6891.36	0.44	5.24	21478.82	3033.97	124.28	3158.25	3856.65	0.82
6.43	2.59	580.00	0.43	78.70	11.90	6903.26	0.42	5.14	21483.96	2925.55	119.14	3044.68	3712.42	0.82
1.86	2.58	581.00	0.42	78.83	11.90	6915.16	0.41	4.99	21488.95	2862.75	114.15	2976.90	3626.48	0.82
1.87	2.58	582.00	0.42	78.97	11.90	6927.07	0.41	4.91	21493.86	2847.29	109.24	2956.54	3600.70	0.82
2.67	2.57	583.00	0.41	79.10	11.90	6938.97	0.40	4.85	21498.71	2804.54	104.39	2908.93	3540.55	0.82
1.11	2.57	584.00	0.41	79.24	11.90	6950.87	0.40	4.80	21503.51	2795.71	99.59	2895.30	3523.36	0.82
0.80	2.55	585.00	0.39	79.38	11.90	6962.77	0.38	4.67	21508.18	2658.70	94.93	2753.63	3344.96	0.82
0.97	2.55	586.00	0.39	79.51	11.90	6974.67	0.38	4.53	21512.71	2647.91	90.39	2738.31	3325.71	0.82
1.08	2.54	587.00	0.38	79.65	11.90	6986.58	0.38	4.51	21517.21	2636.87	85.89	2722.76	3306.19	0.82
4.88	2.52	588.00	0.36	79.78	11.90	6998.48	0.35	4.35	21521.56	2471.58	81.54	2553.12	3093.68	0.83
4.99	2.52	589.00	0.36	79.92	11.90	7010.38	0.35	4.18	21525.74	2448.28	77.36	2525.64	3059.31	0.83
5.50	2.51	590.00	0.35	80.05	11.90	7022.28	0.35	4.14	21529.88	2431.77	73.22	2504.99	3033.53	0.83
5.36	2.49	591.00	0.33	80.19	11.90	7034.18	0.32	3.96	21533.84	2242.67	69.26	2311.94	2792.91	0.83
2.96	2.47	592.00	0.31	80.33	11.90	7046.09	0.31	3.71	21537.55	2149.70	65.55	2215.25	2672.60	0.83
1.77	2.46	593.00	0.30	80.46	11.90	7057.99	0.29	3.57	21541.12	2077.17	61.98	2139.15	2578.07	0.83
2.76	2.46	594.00	0.30	80.60	11.90	7069.89	0.29	3.49	21544.61	2066.80	58.49	2125.29	2560.88	0.83
8.87	2.44	595.00	0.28	80.73	11.90	7081.79	0.28	3.39	21548.00	1966.07	55.10	2021.17	2431.98	0.83
4.91	2.44	596.00	0.28	80.87	11.90	7093.70	0.27	3.28	21551.29	1944.92	51.82	1996.74	2401.78	0.83
1.92	2.44	597.00	0.28	81.00	11.90	7105.60	0.27	3.24	21554.53	1923.88	48.57	1972.46	2371.82	0.83
4.75	2.44	598.00	0.28	81.14	11.90	7117.50	0.27	3.22	21557.74	1920.12	45.36	1965.48	2363.23	0.83
7.50	2.43	599.00	0.27	81.28	11.90	7129.40	0.26	3.18	21560.93	1888.36	42.18	1930.54	2320.26	0.83

8.93	2.43	600.00	0.27	81.41	11.90	7141.30	0.26	3.14	21564.07	1877.51	39.03	1916.54	2303.07	0.83
10.93	2.43	601.00	0.27	81.55	11.90	7153.21	0.26	3.12	21567.18	1866.60	35.92	1902.52	2285.89	0.83
7.78	2.42	602.00	0.26	81.68	11.90	7165.11	0.25	3.05	21570.23	1799.42	32.87	1832.29	2199.95	0.83
9.75	2.41	603.00	0.25	81.82	11.90	7177.01	0.25	2.97	21573.20	1774.24	29.90	1804.15	2165.58	0.83
2.66	2.40	604.00	0.24	81.95	11.90	7188.91	0.24	2.88	21576.08	1699.61	27.03	1726.64	2071.05	0.83
3.11	2.39	605.00	0.23	82.09	11.90	7200.82	0.22	2.74	21578.81	1607.35	24.29	1631.64	1955.39	0.83
6.71	2.39	606.00	0.23	82.23	11.90	7212.72	0.22	2.65	21581.47	1606.18	21.64	1627.82	1950.74	0.83
8.50	2.37	607.00	0.21	82.36	11.90	7224.62	0.21	2.57	21584.04	1516.69	19.06	1535.76	1839.02	0.84
10.59	2.37	608.00	0.21	82.50	11.90	7236.52	0.20	2.46	21586.50	1469.50	16.60	1486.10	1778.87	0.84
4.86	2.36	609.00	0.20	82.63	11.90	7248.42	0.20	2.38	21588.87	1422.14	14.23	1436.37	1718.71	0.84
3.73	2.36	610.00	0.20	82.77	11.90	7260.33	0.20	2.34	21591.21	1424.48	11.89	1436.37	1718.71	0.84
2.63	2.27	611.00	0.11	82.90	11.90	7272.23	0.11	1.83	21593.04	806.15	10.07	816.21	971.07	0.84
6.96	2.25	612.00	0.09	83.04	11.90	7284.13	0.09	1.19	21594.23	653.12	8.87	662.00	785.46	0.84
3.28	2.25	613.00	0.09	83.18	11.90	7296.03	0.09	1.06	21595.29	644.17	7.81	651.98	773.42	0.84
5.42	2.25	614.00	0.09	83.31	11.90	7307.93	0.09	1.05	21596.34	645.22	6.76	651.98	773.42	0.84
6.14	2.25	615.00	0.09	83.45	11.90	7319.84	0.09	1.05	21597.39	646.19	5.71	651.90	773.32	0.84
5.98	2.24	616.00	0.08	83.58	11.90	7331.74	0.08	0.99	21598.38	575.39	4.72	580.11	687.48	0.84
3.32	2.23	617.00	0.07	83.72	11.90	7343.64	0.07	0.88	21599.26	504.29	3.84	508.13	601.55	0.84
3.69	2.22	618.00	0.06	83.85	11.90	7355.54	0.06	0.77	21600.03	447.38	3.07	450.45	532.80	0.85
1.93	2.22	619.00	0.06	83.99	11.90	7367.45	0.06	0.71	21600.74	433.65	2.36	436.01	515.61	0.85
2.93	2.21	620.00	0.05	84.12	11.90	7379.35	0.05	0.66	21601.40	383.67	1.70	385.38	455.46	0.85
1.28	2.20	621.00	0.04	84.26	11.90	7391.25	0.04	0.52	21601.92	261.03	1.18	262.21	309.37	0.85
1.84	2.19	622.00	0.03	84.40	11.90	7403.15	0.03	0.37	21602.29	196.09	0.81	196.90	232.03	0.85
2.83	2.18	623.00	0.02	84.53	11.90	7415.05	0.02	0.27	21602.56	145.48	0.54	146.02	171.87	0.85
3.81	2.18	624.00	0.02	84.67	11.90	7426.96	0.02	0.23	21602.79	138.43	0.31	138.74	163.28	0.85
3.17	2.18	625.00	0.02	84.80	11.90	7438.86	0.02	0.20	21602.99	114.51	0.11	114.62	134.85	0.85
4.21	2.16	626.00	0.00	84.94	11.90	7450.76	0.00	0.11	21603.10	21.93	0.00	21.93	25.78	0.85

Escenario EO-2

Caudal medio mensual m <sup>3</sup> /s	Caudal medio mensual ordenado de mayor a menor m <sup>3</sup> /s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (Mwh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
10.78	18.36	1.00	15.61	0.14	11.90	11.90	15.31			182.26	17517.47	17699.73	134145.47	0.13
9.03	17.72	2.00	14.97	0.27	11.90	23.80	14.69	178.53	178.53	349.58	17338.94	17688.52	128645.59	0.14
6.94	14.66	3.00	11.91	0.41	11.90	35.71	11.68	156.93	335.45	417.18	17182.02	17599.20	102349.30	0.17
1.79	13.94	4.00	11.19	0.54	11.90	47.61	10.98	134.86	470.31	522.62	17047.16	17569.78	96161.94	0.18
3.65	13.88	5.00	11.13	0.68	11.90	59.51	10.92	130.30	600.62	649.77	16916.85	17566.62	95646.32	0.18
8.11	13.09	6.00	10.34	0.81	11.90	71.41	10.14	125.32	725.93	724.08	16791.54	17515.61	88819.96	0.20
2.00	12.96	7.00	10.21	0.95	11.90	83.32	10.02	119.95	845.88	834.49	16671.59	17506.08	87740.25	0.20
1.62	12.94	8.00	10.19	1.09	11.90	95.22	10.00	119.10	964.97	951.83	16552.49	17504.33	87568.38	0.20
1.64	12.93	9.00	10.18	1.22	11.90	107.12	9.99	118.92	1083.89	1069.76	16433.57	17503.33	87482.44	0.20
3.89	12.81	10.00	10.06	1.36	11.90	119.02	9.87	118.16	1202.06	1174.61	16315.41	17490.02	86451.21	0.20
2.43	12.40	11.00	9.65	1.49	11.90	130.92	9.47	115.07	1317.12	1239.41	16200.35	17439.76	82927.85	0.21
8.06	12.16	12.00	9.41	1.63	11.90	142.83	9.23	111.27	1428.39	1318.46	16089.07	17407.53	80865.40	0.22
9.50	12.02	13.00	9.27	1.76	11.90	154.73	9.10	109.07	1537.46	1407.38	15980.01	17387.39	79679.45	0.22
11.39	11.88	14.00	9.13	1.90	11.90	166.63	8.95	107.42	1644.88	1492.01	15872.59	17364.60	78437.15	0.22
9.64	11.69	15.00	8.94	2.04	11.90	178.53	8.77	105.48	1750.35	1565.76	15767.11	17332.87	76826.43	0.23
3.60	11.61	16.00	8.86	2.17	11.90	190.43	8.69	103.92	1854.27	1655.19	15663.20	17318.39	76138.94	0.23
7.83	11.54	17.00	8.79	2.31	11.90	202.34	8.62	103.04	1957.31	1744.75	15560.16	17304.91	75537.39	0.23
4.12	11.39	18.00	8.64	2.44	11.90	214.24	8.48	101.76	2059.07	1815.86	15458.40	17274.26	74248.36	0.23
5.96	11.38	19.00	8.63	2.58	11.90	226.14	8.47	100.82	2159.89	1914.52	15357.58	17272.10	74162.42	0.23
3.47	11.25	20.00	8.50	2.71	11.90	238.04	8.34	100.01	2259.90	1984.93	15257.57	17242.50	73045.26	0.24
6.48	11.06	21.00	8.31	2.85	11.90	249.95	8.15	98.14	2358.03	2037.58	15159.43	17197.02	71412.48	0.24
2.55	10.93	22.00	8.18	2.99	11.90	261.85	8.02	96.27	2454.30	2101.22	15063.17	17164.38	70295.32	0.24
4.82	10.78	23.00	8.03	3.12	11.90	273.75	7.88	94.63	2548.94	2156.45	14968.53	17124.98	69006.29	0.25
7.16	10.62	24.00	7.87	3.26	11.90	285.65	7.72	92.84	2641.78	2206.10	14875.69	17081.79	67653.73	0.25
9.94	10.59	25.00	7.84	3.39	11.90	297.55	7.69	91.73	2733.51	2288.50	14783.96	17072.46	67373.51	0.25
6.42	10.41	26.00	7.66	3.53	11.90	309.46	7.51	90.49	2824.00	2325.40	14693.47	17018.87	65826.67	0.26
8.25	10.23	27.00	7.48	3.66	11.90	321.36	7.34	88.39	2912.38	2358.09	14605.08	16963.18	64279.83	0.26
4.03	10.21	28.00	7.46	3.80	11.90	333.26	7.32	87.22	2999.60	2438.89	14517.86	16956.75	64107.96	0.26
1.90	10.08	29.00	7.33	3.93	11.90	345.16	7.19	86.34	3085.95	2481.97	14431.52	16913.49	62990.79	0.27
7.83	10.01	30.00	7.26	4.07	11.90	357.07	7.12	85.18	3171.12	2543.04	14346.34	16889.38	62389.25	0.27
5.02	9.94	31.00	7.19	4.21	11.90	368.97	7.05	84.35	3255.48	2602.11	14261.99	16864.10	61779.10	0.27
2.85	9.90	32.00	7.15	4.34	11.90	380.87	7.01	83.71	3339.19	2671.48	14178.28	16849.75	61443.95	0.27
1.44	9.83	33.00	7.08	4.48	11.90	392.77	6.95	83.07	3422.26	2727.99	14095.20	16823.19	60842.40	0.28
1.06	9.82	34.00	7.07	4.61	11.90	404.67	6.93	82.58	3504.85	2805.10	14012.62	16817.72	60722.09	0.28
5.44	9.80	35.00	7.05	4.75	11.90	416.58	6.92	82.41	3587.26	2881.06	13930.21	16811.27	60584.60	0.28
5.34	9.75	36.00	7.00	4.88	11.90	428.48	6.87	82.01	3669.27	2941.52	13848.20	16789.72	60137.73	0.28



10.08	9.72	37.00	6.97	5.02	11.90	440.38	6.84	81.56	3750.83	3012.00	13766.64	16778.64	59914.30	0.28
7.08	9.70	38.00	6.95	5.16	11.90	452.28	6.82	81.26	3832.09	3082.31	13685.38	16767.69	59699.46	0.28
8.52	9.64	39.00	6.89	5.29	11.90	464.18	6.76	80.79	3912.88	3138.38	13604.59	16742.97	59226.82	0.28
6.43	9.53	40.00	6.78	5.43	11.90	476.09	6.65	79.81	3992.69	3166.07	13524.78	16690.85	58255.74	0.29
4.35	9.50	41.00	6.75	5.56	11.90	487.99	6.62	78.97	4071.66	3229.91	13445.81	16675.72	57980.75	0.29
3.99	9.45	42.00	6.70	5.70	11.90	499.89	6.57	78.52	4150.17	3286.62	13367.30	16653.91	57594.04	0.29
3.13	9.40	43.00	6.65	5.83	11.90	511.79	6.52	77.94	4228.12	3338.26	13289.35	16627.61	57138.58	0.29
3.32	9.23	44.00	6.48	5.97	11.90	523.70	6.35	76.63	4304.75	3327.53	13212.72	16540.25	55660.49	0.30
0.81	9.19	45.00	6.44	6.11	11.90	535.60	6.32	75.40	4380.15	3383.19	13137.32	16520.51	55333.93	0.30
1.25	9.18	46.00	6.43	6.24	11.90	547.50	6.31	75.13	4455.28	3453.54	13062.19	16515.73	55256.59	0.30
3.81	9.03	47.00	6.28	6.38	11.90	559.40	6.16	74.21	4529.49	3447.40	12987.98	16435.37	53984.74	0.30
7.81	8.93	48.00	6.18	6.51	11.90	571.30	6.06	72.77	4602.26	3464.70	12915.21	16379.91	53125.39	0.31
8.49	8.87	49.00	6.12	6.65	11.90	583.21	6.00	71.80	4674.06	3499.69	12843.41	16343.10	52566.81	0.31
11.06	8.65	50.00	5.90	6.78	11.90	595.11	5.78	70.13	4744.19	3442.09	12773.28	16215.37	50667.63	0.32
7.60	8.64	51.00	5.89	6.92	11.90	607.01	5.78	68.79	4812.98	3505.58	12704.49	16210.07	50590.29	0.32
3.38	8.63	52.00	5.88	7.06	11.90	618.91	5.77	68.68	4881.66	3568.24	12635.81	16204.05	50504.35	0.32
5.69	8.61	53.00	5.86	7.19	11.90	630.82	5.74	68.49	4950.15	3623.25	12567.32	16190.57	50315.29	0.32
7.88	8.59	54.00	5.84	7.33	11.90	642.72	5.73	68.29	5018.44	3683.41	12499.03	16182.45	50203.58	0.32
6.83	8.52	55.00	5.77	7.46	11.90	654.62	5.66	67.79	5086.22	3704.75	12431.25	16135.99	49576.25	0.33
2.07	8.50	56.00	5.75	7.60	11.90	666.52	5.64	67.24	5153.46	3758.37	12364.01	16122.38	49395.78	0.33
1.17	8.49	57.00	5.74	7.73	11.90	678.42	5.63	67.08	5220.54	3822.16	12296.92	16119.09	49352.82	0.33
5.40	8.45	58.00	5.70	7.87	11.90	690.33	5.59	66.81	5287.35	3860.77	12230.11	16090.89	48991.89	0.33
3.08	8.39	59.00	5.64	8.01	11.90	702.23	5.53	66.21	5353.57	3886.01	12163.90	16049.91	48476.27	0.33
2.07	8.32	60.00	5.57	8.14	11.90	714.13	5.47	65.47	5419.04	3904.93	12098.43	16003.36	47900.50	0.33
2.65	8.27	61.00	5.52	8.28	11.90	726.03	5.42	64.79	5483.83	3934.59	12033.63	15968.22	47473.04	0.34
8.59	8.25	62.00	5.50	8.41	11.90	737.93	5.39	64.35	5548.18	3980.08	11969.29	15949.37	47247.39	0.34
7.14	8.22	63.00	5.47	8.55	11.90	749.84	5.36	64.02	5612.20	4022.34	11905.27	15927.61	46991.14	0.34
3.99	8.20	64.00	5.45	8.68	11.90	761.74	5.35	63.75	5675.95	4073.35	11841.52	15914.87	46843.50	0.34
2.77	8.15	65.00	5.40	8.82	11.90	773.64	5.30	63.34	5739.29	4096.77	11778.18	15874.95	46388.04	0.34
10.21	8.14	66.00	5.39	8.96	11.90	785.54	5.29	63.00	5802.28	4155.94	11715.18	15871.13	46345.07	0.34
12.81	8.11	67.00	5.36	9.09	11.90	797.45	5.26	62.79	5865.08	4195.44	11652.39	15847.83	46087.26	0.34
4.45	8.11	68.00	5.36	9.23	11.90	809.35	5.26	62.60	5927.68	4255.68	11589.79	15845.47	46061.48	0.34
1.99	8.11	69.00	5.36	9.36	11.90	821.25	5.26	62.58	5990.26	4318.26	11527.21	15845.47	46061.48	0.34
3.69	8.07	70.00	5.32	9.50	11.90	833.15	5.22	62.35	6052.61	4348.15	11464.86	15813.01	45717.74	0.35
4.10	8.06	71.00	5.31	9.63	11.90	845.05	5.21	62.05	6114.66	4401.15	11402.80	15803.96	45623.21	0.35
4.27	8.02	72.00	5.27	9.77	11.90	856.96	5.17	61.75	6176.41	4428.67	11341.06	15769.73	45270.87	0.35
13.88	8.02	73.00	5.27	9.91	11.90	868.86	5.17	61.50	6237.92	4489.33	11279.55	15768.88	45262.28	0.35
12.16	8.00	74.00	5.25	10.04	11.90	880.76	5.15	61.42	6299.34	4540.06	11218.13	15758.18	45155.15	0.35
9.53	7.88	75.00	5.13	10.18	11.90	892.66	5.03	60.61	6359.95	4490.60	11157.51	15648.12	44067.78	0.36
2.92	7.83	76.00	5.08	10.31	11.90	904.57	4.99	59.62	6419.57	4511.43	11097.90	15609.33	43689.66	0.36
2.37	7.83	77.00	5.08	10.45	11.90	916.47	4.98	59.31	6478.89	4563.60	11038.58	15602.18	43620.91	0.36
7.16	7.81	78.00	5.06	10.58	11.90	928.37	4.96	59.17	6538.06	4608.30	10979.41	15587.70	43483.41	0.36

2.68	7.78	79.00	5.03	10.72	11.90	940.27	4.93	58.88	6596.94	4636.02	10920.53	15556.54	43191.23	0.36
1.37	7.74	80.00	4.99	10.85	11.90	952.17	4.90	58.50	6655.44	4665.10	10862.03	15527.13	42918.94	0.36
2.82	7.74	81.00	4.99	10.99	11.90	964.08	4.90	58.29	6713.73	4719.34	10803.74	15523.07	42881.86	0.36
1.68	7.71	82.00	4.96	11.13	11.90	975.98	4.87	58.09	6771.82	4748.88	10745.65	15494.53	42624.06	0.36
5.78	7.66	83.00	4.91	11.26	11.90	987.88	4.81	57.61	6829.43	4756.40	10688.04	15444.44	42177.19	0.37
2.22	7.60	84.00	4.85	11.40	11.90	999.78	4.76	56.97	6886.40	4756.82	10631.07	15387.89	41678.77	0.37
7.52	7.56	85.00	4.81	11.53	11.90	1011.68	4.72	56.39	6942.78	4772.75	10574.68	15347.44	41326.43	0.37
17.72	7.52	86.00	4.77	11.67	11.90	1023.59	4.68	55.95	6998.73	4793.76	10518.74	15312.50	41025.66	0.37
5.19	7.52	87.00	4.77	11.80	11.90	1035.49	4.68	55.70	7054.43	4842.39	10463.04	15305.43	40965.50	0.37
2.24	7.50	88.00	4.75	11.94	11.90	1047.39	4.66	55.55	7109.99	4879.55	10407.48	15287.04	40810.82	0.37
2.68	7.45	89.00	4.70	12.08	11.90	1059.29	4.61	55.15	7165.13	4880.97	10352.34	15233.30	40363.95	0.38
3.88	7.44	90.00	4.69	12.21	11.90	1071.20	4.60	54.78	7219.92	4925.30	10297.55	15222.85	40278.02	0.38
2.51	7.43	91.00	4.68	12.35	11.90	1083.10	4.59	54.66	7274.57	4967.28	10242.90	15210.17	40174.89	0.38
1.31	7.40	92.00	4.65	12.48	11.90	1095.00	4.56	54.42	7328.99	4991.78	10188.48	15180.26	39934.27	0.38
0.99	7.36	93.00	4.61	12.62	11.90	1106.90	4.52	54.01	7383.01	5000.50	10134.46	15134.96	39573.86	0.38
0.28	7.35	94.00	4.60	12.75	11.90	1118.80	4.52	53.76	7436.77	5053.48	10080.70	15134.18	39567.70	0.38
3.80	7.32	95.00	4.57	12.89	11.90	1130.71	4.48	53.55	7490.32	5066.93	10027.15	15094.08	39255.38	0.38
3.37	7.31	96.00	4.56	13.03	11.90	1142.61	4.48	53.31	7543.63	5115.78	9973.84	15089.62	39221.01	0.38
6.92	7.30	97.00	4.55	13.16	11.90	1154.51	4.47	53.22	7596.85	5155.48	9920.62	15076.10	39117.89	0.39
7.31	7.27	98.00	4.52	13.30	11.90	1166.41	4.43	52.96	7649.81	5172.02	9867.65	15039.67	38842.89	0.39
3.07	7.24	99.00	4.49	13.43	11.90	1178.32	4.40	52.57	7702.39	5184.33	9815.08	14999.42	38542.12	0.39
1.48	7.21	100.00	4.46	13.57	11.90	1190.22	4.38	52.23	7754.62	5209.35	9762.85	14972.20	38340.79	0.39
6.52	7.19	101.00	4.44	13.70	11.90	1202.12	4.36	51.97	7806.59	5237.18	9710.88	14948.06	38164.00	0.39
2.72	7.17	102.00	4.42	13.84	11.90	1214.02	4.34	51.72	7858.31	5262.83	9659.15	14921.99	37974.94	0.39
1.49	7.16	103.00	4.41	13.98	11.90	1225.92	4.33	51.54	7909.86	5303.60	9607.61	14911.21	37897.60	0.39
2.37	7.16	104.00	4.41	14.11	11.90	1237.83	4.33	51.49	7961.34	5353.88	9556.13	14910.01	37889.01	0.39
4.02	7.16	105.00	4.41	14.25	11.90	1249.73	4.32	51.47	8012.81	5402.91	9504.66	14907.57	37871.82	0.39
3.80	7.14	106.00	4.39	14.38	11.90	1261.63	4.30	51.33	8064.14	5428.37	9453.32	14881.70	37691.35	0.39
3.18	7.11	107.00	4.36	14.52	11.90	1273.53	4.28	51.06	8115.20	5447.10	9402.26	14849.37	37467.92	0.40
5.47	7.10	108.00	4.35	14.65	11.90	1285.43	4.27	50.85	8166.05	5485.40	9351.41	14836.82	37381.99	0.40
6.53	7.10	109.00	4.35	14.79	11.90	1297.34	4.27	50.78	8216.84	5534.92	9300.63	14835.55	37373.39	0.40
4.62	7.08	110.00	4.33	14.93	11.90	1309.24	4.24	50.64	8267.48	5556.16	9249.99	14806.14	37175.74	0.40
5.88	7.05	111.00	4.30	15.06	11.90	1321.14	4.22	50.35	8317.83	5570.38	9199.64	14770.02	36935.12	0.40
3.84	7.01	112.00	4.26	15.20	11.90	1333.04	4.18	49.98	8367.81	5574.80	9149.66	14724.46	36634.38	0.40
3.93	7.01	113.00	4.26	15.33	11.90	1344.95	4.18	49.75	8417.56	5619.29	9099.91	14719.20	36599.97	0.40
6.51	7.00	114.00	4.25	15.47	11.90	1356.85	4.17	49.68	8467.24	5658.37	9050.23	14708.59	36531.22	0.40
2.59	7.00	115.00	4.25	15.60	11.90	1368.75	4.17	49.63	8516.88	5708.00	9000.59	14708.59	36531.22	0.40
3.63	6.99	116.00	4.24	15.74	11.90	1380.65	4.16	49.59	8566.47	5748.16	8951.00	14699.15	36471.07	0.40
2.42	6.96	117.00	4.21	15.88	11.90	1392.55	4.13	49.33	8615.80	5744.43	8901.67	14646.10	36135.92	0.41
4.05	6.94	118.00	4.19	16.01	11.90	1404.46	4.11	49.00	8664.80	5771.49	8852.67	14624.15	35998.42	0.41
5.40	6.92	119.00	4.17	16.15	11.90	1416.36	4.09	48.82	8713.62	5799.56	8803.84	14603.40	35869.52	0.41
4.59	6.90	120.00	4.15	16.28	11.90	1428.26	4.07	48.58	8762.20	5810.46	8755.27	14565.73	35637.49	0.41

4.15	6.87	121.00	4.12	16.42	11.90	1440.16	4.04	48.26	8810.47	5820.74	8707.00	14527.74	35405.47	0.41
6.77	6.86	122.00	4.11	16.55	11.90	1452.07	4.03	48.05	8858.51	5854.60	8658.96	14513.55	35319.53	0.41
4.31	6.84	123.00	4.09	16.69	11.90	1463.97	4.01	47.85	8906.36	5868.12	8611.11	14479.22	35113.29	0.41
3.89	6.83	124.00	4.08	16.82	11.90	1475.87	4.00	47.66	8954.02	5902.79	8563.45	14466.25	35035.94	0.41
3.84	6.77	125.00	4.02	16.96	11.90	1487.77	3.94	47.28	9001.29	5868.67	8516.18	14384.84	34554.70	0.42
5.43	6.76	126.00	4.01	17.10	11.90	1499.67	3.94	46.90	9048.19	5902.46	8469.28	14371.74	34477.87	0.42
4.32	6.75	127.00	4.00	17.23	11.90	1511.58	3.93	46.79	9094.98	5934.39	8422.49	14356.88	34391.43	0.42
6.08	6.75	128.00	4.00	17.37	11.90	1523.48	3.92	46.70	9141.67	5973.65	8375.79	14349.44	34348.46	0.42
3.39	6.74	129.00	3.99	17.50	11.90	1535.38	3.91	46.61	9188.28	6004.98	8329.18	14334.17	34260.99	0.42
3.74	6.72	130.00	3.97	17.64	11.90	1547.28	3.89	46.44	9234.72	6023.01	8282.74	14305.75	34099.48	0.42
4.65	6.71	131.00	3.96	17.77	11.90	1559.18	3.88	46.25	9280.98	6049.41	8236.49	14285.90	33987.53	0.42
4.68	6.69	132.00	3.94	17.91	11.90	1571.09	3.87	46.09	9327.07	6072.47	8190.40	14262.87	33858.63	0.42
4.72	6.67	133.00	3.92	18.05	11.90	1582.99	3.85	45.91	9372.98	6094.59	8144.48	14239.07	33726.43	0.42
8.07	6.63	134.00	3.88	18.18	11.90	1594.89	3.81	45.57	9418.55	6072.17	8098.91	14171.08	33351.61	0.42
3.84	6.63	135.00	3.88	18.32	11.90	1606.79	3.80	45.28	9463.83	6108.02	8053.64	14161.66	33300.05	0.43
3.98	6.61	136.00	3.86	18.45	11.90	1618.70	3.79	45.15	9508.98	6127.86	8008.48	14136.35	33162.55	0.43
0.80	6.61	137.00	3.86	18.59	11.90	1630.60	3.79	45.06	9554.04	6172.92	7963.43	14136.35	33162.55	0.43
4.19	6.59	138.00	3.84	18.72	11.90	1642.50	3.77	44.96	9599.00	6190.59	7918.47	14109.05	33016.46	0.43
3.59	6.59	139.00	3.84	18.86	11.90	1654.40	3.77	44.85	9643.85	6232.20	7873.62	14105.82	32999.27	0.43
0.97	6.58	140.00	3.83	19.00	11.90	1666.30	3.76	44.78	9688.63	6262.32	7828.84	14091.16	32921.93	0.43
0.99	6.57	141.00	3.82	19.13	11.90	1678.21	3.75	44.67	9733.30	6288.94	7784.17	14073.11	32827.40	0.43
1.09	6.54	142.00	3.79	19.27	11.90	1690.11	3.72	44.43	9777.73	6283.81	7739.74	14023.55	32569.59	0.43
2.46	6.53	143.00	3.78	19.40	11.90	1702.01	3.71	44.20	9821.93	6313.03	7695.54	14008.58	32492.25	0.43
3.24	6.52	144.00	3.77	19.54	11.90	1713.91	3.70	44.11	9866.03	6345.41	7651.44	13996.85	32432.10	0.43
2.75	6.52	145.00	3.77	19.67	11.90	1725.82	3.70	44.02	9910.06	6377.62	7607.41	13985.04	32371.94	0.43
7.00	6.52	146.00	3.77	19.81	11.90	1737.72	3.69	43.98	9954.03	6419.90	7563.43	13983.34	32363.35	0.43
7.05	6.51	147.00	3.76	19.95	11.90	1749.62	3.69	43.92	9997.96	6449.58	7519.51	13969.09	32291.76	0.43
5.78	6.51	148.00	3.76	20.08	11.90	1761.52	3.68	43.86	10041.82	6488.84	7475.65	13964.49	32268.82	0.43
4.30	6.50	149.00	3.75	20.22	11.90	1773.42	3.68	43.84	10085.65	6530.94	7431.81	13962.76	32260.22	0.43
5.59	6.49	150.00	3.74	20.35	11.90	1785.33	3.67	43.73	10129.39	6545.49	7388.08	13933.57	32116.52	0.43
5.79	6.48	151.00	3.73	20.49	11.90	1797.23	3.66	43.62	10173.01	6583.34	7344.46	13927.81	32088.35	0.43
4.89	6.46	152.00	3.71	20.62	11.90	1809.13	3.64	43.43	10216.44	6577.06	7301.03	13878.09	31846.81	0.44
7.44	6.43	153.00	3.68	20.76	11.90	1821.03	3.61	43.12	10259.56	6575.86	7257.90	13833.76	31632.89	0.44
6.84	6.43	154.00	3.68	20.90	11.90	1832.93	3.61	42.97	10302.54	6617.04	7214.93	13831.97	31624.30	0.44
5.45	6.42	155.00	3.67	21.03	11.90	1844.84	3.60	42.91	10345.45	6641.91	7172.02	13813.93	31538.37	0.44
6.29	6.40	156.00	3.65	21.17	11.90	1856.74	3.58	42.75	10388.20	6653.80	7129.27	13783.07	31392.27	0.44
4.62	6.39	157.00	3.64	21.30	11.90	1868.64	3.57	42.59	10430.79	6678.12	7086.67	13764.79	31306.34	0.44
11.38	6.38	158.00	3.63	21.44	11.90	1880.54	3.56	42.46	10473.25	6695.95	7044.22	13740.17	31191.27	0.44
5.21	6.36	159.00	3.61	21.57	11.90	1892.45	3.54	42.27	10515.52	6702.93	7001.95	13704.88	31027.39	0.44
4.08	6.36	160.00	3.61	21.71	11.90	1904.35	3.54	42.14	10557.66	6740.34	6959.81	13700.15	31005.56	0.44
3.80	6.31	161.00	3.56	21.85	11.90	1916.25	3.49	41.85	10599.51	6692.23	6917.96	13610.20	30593.07	0.44
4.71	6.29	162.00	3.54	21.98	11.90	1928.15	3.48	41.47	10640.98	6703.54	6876.49	13580.02	30455.58	0.45

3.41	6.27	163.00	3.52	22.12	11.90	1940.05	3.45	41.21	10682.19	6689.72	6835.28	13525.00	30206.36	0.45
2.40	6.22	164.00	3.47	22.25	11.90	1951.96	3.40	40.75	10722.95	6636.72	6794.52	13431.24	29784.30	0.45
4.49	6.20	165.00	3.45	22.39	11.90	1963.86	3.38	40.35	10763.30	6638.88	6754.17	13393.05	29613.41	0.45
4.23	6.14	166.00	3.39	22.52	11.90	1975.76	3.33	39.91	10803.21	6570.57	6714.26	13284.83	29132.17	0.46
3.08	6.13	167.00	3.38	22.66	11.90	1987.66	3.32	39.52	10842.73	6590.65	6674.74	13265.39	29046.23	0.46
5.44	6.11	168.00	3.36	22.80	11.90	1999.57	3.30	39.37	10882.10	6596.77	6635.37	13232.14	28900.14	0.46
7.19	6.09	169.00	3.34	22.93	11.90	2011.47	3.28	39.13	10921.23	6590.65	6596.24	13186.89	28702.49	0.46
4.40	6.08	170.00	3.33	23.07	11.90	2023.37	3.26	38.92	10960.15	6603.85	6557.32	13161.17	28590.77	0.46
7.30	6.08	171.00	3.33	23.20	11.90	2035.27	3.26	38.83	10998.98	6638.70	6518.48	13157.18	28573.59	0.46
4.45	6.06	172.00	3.31	23.34	11.90	2047.17	3.25	38.74	11037.73	6649.41	6479.74	13129.15	28453.28	0.46
5.32	6.00	173.00	3.25	23.47	11.90	2059.08	3.19	38.30	11076.02	6562.83	6441.45	13004.27	27920.48	0.47
7.00	6.00	174.00	3.25	23.61	11.90	2070.98	3.18	37.91	11113.93	6592.64	6403.53	12996.17	27886.10	0.47
9.70	5.98	175.00	3.23	23.74	11.90	2082.88	3.17	37.82	11151.76	6608.05	6365.71	12973.76	27791.57	0.47
3.60	5.97	176.00	3.22	23.88	11.90	2094.78	3.16	37.68	11189.44	6617.04	6328.03	12945.07	27671.26	0.47
4.22	5.96	177.00	3.21	24.02	11.90	2106.68	3.15	37.53	11226.96	6629.84	6290.50	12920.34	27568.14	0.47
4.25	5.95	178.00	3.20	24.15	11.90	2118.59	3.14	37.41	11264.37	6650.67	6253.09	12903.76	27499.39	0.47
5.19	5.94	179.00	3.19	24.29	11.90	2130.49	3.13	37.31	11301.69	6669.22	6215.78	12885.00	27422.05	0.47
7.66	5.94	180.00	3.19	24.42	11.90	2142.39	3.13	37.24	11338.93	6700.17	6178.54	12878.72	27396.27	0.47
9.23	5.93	181.00	3.18	24.56	11.90	2154.29	3.12	37.16	11376.09	6716.26	6141.38	12857.64	27310.33	0.47
14.66	5.91	182.00	3.16	24.69	11.90	2166.20	3.10	37.00	11413.09	6715.12	6104.38	12819.50	27155.65	0.47
7.10	5.91	183.00	3.16	24.83	11.90	2178.10	3.10	36.88	11449.97	6745.61	6067.50	12813.10	27129.87	0.47
5.87	5.89	184.00	3.14	24.97	11.90	2190.00	3.08	36.74	11486.71	6737.35	6030.76	12768.11	26949.40	0.47
4.82	5.88	185.00	3.13	25.10	11.90	2201.90	3.07	36.56	11523.27	6754.53	5994.19	12748.72	26872.06	0.47
4.44	5.87	186.00	3.12	25.24	11.90	2213.80	3.06	36.44	11559.71	6764.98	5957.75	12722.73	26768.94	0.48
2.83	5.83	187.00	3.08	25.37	11.90	2225.71	3.02	36.15	11595.86	6718.38	5921.60	12639.98	26442.38	0.48
1.17	5.81	188.00	3.06	25.51	11.90	2237.61	3.00	35.82	11631.68	6714.50	5885.78	12600.28	26286.55	0.48
1.65	5.79	189.00	3.04	25.64	11.90	2249.51	2.98	35.61	11667.29	6708.58	5850.18	12558.76	26124.42	0.48
1.50	5.79	190.00	3.04	25.78	11.90	2261.41	2.98	35.50	11702.78	6744.08	5814.68	12558.76	26124.42	0.48
4.29	5.78	191.00	3.03	25.92	11.90	2273.32	2.97	35.43	11738.22	6755.04	5779.25	12534.29	26029.89	0.48
5.05	5.78	192.00	3.03	26.05	11.90	2285.22	2.97	35.37	11773.58	6790.41	5743.89	12534.29	26029.89	0.48
7.45	5.78	193.00	3.03	26.19	11.90	2297.12	2.97	35.35	11808.93	6819.01	5708.54	12527.55	26004.11	0.48
5.91	5.77	194.00	3.02	26.32	11.90	2309.02	2.96	35.28	11844.22	6836.22	5673.25	12509.48	25935.36	0.48
4.17	5.77	195.00	3.02	26.46	11.90	2320.92	2.96	35.24	11879.45	6871.46	5638.01	12509.48	25935.36	0.48
6.52	5.73	196.00	2.98	26.59	11.90	2332.83	2.92	35.01	11914.47	6817.45	5603.00	12420.45	25600.22	0.49
4.13	5.72	197.00	2.97	26.73	11.90	2344.73	2.91	34.73	11949.20	6831.53	5568.27	12399.80	25522.87	0.49
4.35	5.71	198.00	2.96	26.87	11.90	2356.63	2.91	34.64	11983.84	6852.34	5533.63	12385.97	25471.31	0.49
2.05	5.71	199.00	2.96	27.00	11.90	2368.53	2.90	34.59	12018.43	6879.97	5499.04	12379.01	25445.53	0.49
3.86	5.70	200.00	2.95	27.14	11.90	2380.43	2.89	34.48	12052.91	6877.31	5464.56	12341.87	25308.50	0.49
1.69	5.69	201.00	2.94	27.27	11.90	2392.34	2.89	34.37	12087.28	6904.53	5430.19	12334.72	25282.25	0.49
2.14	5.69	202.00	2.94	27.41	11.90	2404.24	2.88	34.34	12121.62	6934.16	5395.85	12330.01	25265.07	0.49
5.08	5.68	203.00	2.93	27.54	11.90	2416.14	2.88	34.28	12155.90	6949.53	5361.57	12311.10	25196.32	0.49
3.50	5.68	204.00	2.93	27.68	11.90	2428.04	2.87	34.22	12190.12	6977.61	5327.35	12304.96	25174.11	0.49

5.77	5.65	205.00	2.90	27.82	11.90	2439.95	2.84	34.03	12224.14	6939.01	5293.33	12232.33	24912.73	0.49
4.69	5.65	206.00	2.90	27.95	11.90	2451.85	2.84	33.83	12257.97	6965.64	5259.49	12225.13	24886.95	0.49
5.65	5.64	207.00	2.89	28.09	11.90	2463.75	2.84	33.80	12291.78	6994.31	5225.69	12220.00	24868.65	0.49
2.92	5.60	208.00	2.85	28.22	11.90	2475.65	2.80	33.53	12325.31	6921.55	5192.16	12113.71	24491.65	0.49
2.97	5.59	209.00	2.84	28.36	11.90	2487.55	2.79	33.21	12358.52	6927.99	5158.95	12086.93	24397.12	0.50
1.78	5.58	210.00	2.83	28.49	11.90	2499.46	2.78	33.12	12391.64	6948.87	5125.83	12074.70	24354.15	0.50
2.95	5.54	211.00	2.79	28.63	11.90	2511.36	2.74	32.85	12424.49	6880.95	5092.98	11973.93	24001.81	0.50
1.32	5.54	212.00	2.79	28.77	11.90	2523.26	2.74	32.60	12457.09	6908.62	5060.38	11968.99	23984.63	0.50
1.18	5.50	213.00	2.75	28.90	11.90	2535.16	2.70	32.34	12489.43	6834.26	5028.04	11862.30	23615.10	0.50
2.52	5.47	214.00	2.72	29.04	11.90	2547.07	2.67	31.95	12521.37	6806.38	4996.10	11802.48	23408.86	0.50
5.83	5.47	215.00	2.72	29.17	11.90	2558.97	2.67	31.78	12553.15	6828.14	4964.31	11792.46	23374.48	0.50
3.38	5.45	216.00	2.70	29.31	11.90	2570.87	2.65	31.65	12584.80	6811.39	4932.67	11744.05	23209.16	0.51
6.75	5.45	217.00	2.70	29.44	11.90	2582.77	2.65	31.52	12616.32	6838.45	4901.14	11739.60	23194.02	0.51
4.22	5.44	218.00	2.69	29.58	11.90	2594.67	2.64	31.46	12647.79	6847.06	4869.68	11716.74	23116.68	0.51
3.58	5.44	219.00	2.69	29.72	11.90	2606.58	2.63	31.38	12679.17	6865.68	4838.30	11703.99	23073.71	0.51
2.57	5.43	220.00	2.68	29.85	11.90	2618.48	2.63	31.33	12710.50	6889.33	4806.97	11696.30	23047.93	0.51
3.66	5.43	221.00	2.68	29.99	11.90	2630.38	2.63	31.30	12741.80	6915.48	4775.67	11691.15	23030.74	0.51
4.65	5.42	222.00	2.67	30.12	11.90	2642.28	2.62	31.21	12773.01	6910.48	4744.46	11654.94	22910.43	0.51
4.26	5.41	223.00	2.66	30.26	11.90	2654.18	2.61	31.10	12804.11	6928.59	4713.36	11641.95	22867.46	0.51
3.03	5.40	224.00	2.65	30.39	11.90	2666.09	2.60	31.03	12835.14	6941.35	4682.33	11623.68	22807.31	0.51
3.44	5.40	225.00	2.65	30.53	11.90	2677.99	2.60	30.96	12866.10	6959.21	4651.37	11610.58	22764.34	0.51
3.36	5.39	226.00	2.64	30.66	11.90	2689.89	2.59	30.89	12896.99	6974.30	4620.47	11594.78	22712.78	0.51
5.39	5.39	227.00	2.64	30.80	11.90	2701.79	2.59	30.84	12927.84	6997.21	4589.63	11586.85	22687.00	0.51
3.89	5.36	228.00	2.61	30.94	11.90	2713.70	2.56	30.67	12958.51	6958.82	4558.96	11517.78	22463.57	0.51
6.75	5.35	229.00	2.60	31.07	11.90	2725.60	2.55	30.44	12988.95	6951.91	4528.52	11480.43	22343.26	0.51
6.40	5.34	230.00	2.59	31.21	11.90	2737.50	2.54	30.31	13019.26	6960.78	4498.21	11458.99	22274.51	0.51
4.16	5.34	231.00	2.59	31.34	11.90	2749.40	2.54	30.23	13049.49	6974.86	4467.98	11442.84	22222.95	0.51
3.64	5.33	232.00	2.58	31.48	11.90	2761.30	2.53	30.14	13079.62	6977.97	4437.84	11415.81	22137.01	0.52
4.44	5.32	233.00	2.57	31.61	11.90	2773.21	2.52	30.05	13109.67	6994.45	4407.80	11402.24	22094.04	0.52
2.47	5.32	234.00	2.57	31.75	11.90	2785.11	2.52	29.98	13139.66	7008.07	4377.81	11385.88	22042.48	0.52
2.19	5.31	235.00	2.56	31.89	11.90	2797.01	2.51	29.93	13169.59	7029.79	4347.88	11377.67	22016.70	0.52
1.58	5.26	236.00	2.51	32.02	11.90	2808.91	2.46	29.61	13199.20	6916.41	4318.27	11234.68	21569.84	0.52
1.74	5.21	237.00	2.46	32.16	11.90	2820.82	2.41	29.00	13228.20	6799.06	4289.27	11088.33	21114.38	0.53
1.86	5.20	238.00	2.45	32.29	11.90	2832.72	2.41	28.67	13256.87	6819.37	4260.60	11079.98	21088.48	0.53
3.99	5.19	239.00	2.44	32.43	11.90	2844.62	2.39	28.57	13285.43	6806.20	4232.04	11038.24	20959.69	0.53
6.20	5.19	240.00	2.44	32.56	11.90	2856.52	2.39	28.46	13313.89	6826.28	4203.58	11029.85	20933.91	0.53
3.82	5.18	241.00	2.43	32.70	11.90	2868.42	2.38	28.41	13342.30	6837.83	4175.17	11013.00	20882.35	0.53
7.52	5.17	242.00	2.42	32.84	11.90	2880.33	2.37	28.31	13370.61	6837.95	4146.85	10984.81	20796.42	0.53
3.23	5.15	243.00	2.40	32.97	11.90	2892.23	2.35	28.11	13398.72	6795.28	4118.74	10914.02	20581.58	0.53
3.18	5.14	244.00	2.39	33.11	11.90	2904.13	2.35	27.94	13426.67	6813.84	4090.80	10904.63	20553.21	0.53
2.52	5.11	245.00	2.36	33.24	11.90	2916.03	2.32	27.74	13454.41	6751.08	4063.06	10814.14	20280.80	0.53
5.54	5.11	246.00	2.36	33.38	11.90	2927.93	2.31	27.55	13481.96	6775.77	4035.51	10811.27	20272.21	0.53

2.81	5.10	247.00	2.35	33.51	11.90	2939.84	2.30	27.48	13509.44	6773.18	4008.03	10781.21	20182.44	0.53
5.31	5.08	248.00	2.33	33.65	11.90	2951.74	2.29	27.31	13536.76	6746.88	3980.71	10727.59	20022.99	0.54
3.92	5.08	249.00	2.33	33.79	11.90	2963.64	2.28	27.20	13563.95	6771.18	3953.51	10724.69	20014.40	0.54
3.43	5.07	250.00	2.32	33.92	11.90	2975.54	2.28	27.14	13591.10	6772.10	3926.37	10698.47	19937.06	0.54
5.54	5.07	251.00	2.32	34.06	11.90	2987.45	2.27	27.06	13618.15	6784.53	3899.31	10683.85	19894.09	0.54
5.73	5.05	252.00	2.30	34.19	11.90	2999.35	2.26	26.97	13645.12	6779.20	3872.35	10651.55	19799.56	0.54
4.40	5.05	253.00	2.30	34.33	11.90	3011.25	2.26	26.89	13672.01	6800.19	3845.46	10645.65	19782.38	0.54
10.41	5.04	254.00	2.29	34.46	11.90	3023.15	2.24	26.79	13698.80	6782.58	3818.67	10601.25	19653.47	0.54
7.32	5.02	255.00	2.27	34.60	11.90	3035.05	2.23	26.62	13725.42	6767.60	3792.05	10559.65	19533.16	0.54
4.58	5.01	256.00	2.26	34.74	11.90	3046.96	2.21	26.43	13751.86	6740.34	3765.61	10505.95	19378.48	0.54
3.89	4.99	257.00	2.24	34.87	11.90	3058.86	2.20	26.25	13778.11	6727.66	3739.36	10467.02	19266.76	0.54
3.51	4.98	258.00	2.23	35.01	11.90	3070.76	2.19	26.11	13804.22	6717.69	3713.25	10430.94	19163.64	0.54
4.66	4.98	259.00	2.23	35.14	11.90	3082.66	2.19	26.04	13830.26	6743.73	3687.21	10430.94	19163.64	0.54
2.57	4.98	260.00	2.23	35.28	11.90	3094.57	2.19	26.04	13856.29	6769.76	3661.18	10430.94	19163.64	0.54
2.13	4.94	261.00	2.19	35.41	11.90	3106.47	2.15	25.80	13882.09	6670.86	3635.38	10306.23	18811.30	0.55
4.13	4.91	262.00	2.16	35.55	11.90	3118.37	2.12	25.40	13907.49	6610.76	3609.98	10220.74	18570.68	0.55
8.64	4.91	263.00	2.16	35.69	11.90	3130.27	2.12	25.23	13932.71	6632.92	3584.76	10217.68	18562.09	0.55
3.87	4.89	264.00	2.14	35.82	11.90	3142.17	2.10	25.12	13957.83	6602.66	3559.64	10162.30	18407.41	0.55
3.41	4.89	265.00	2.14	35.96	11.90	3154.08	2.10	25.00	13982.83	6624.57	3534.64	10159.21	18398.81	0.55
5.41	4.88	266.00	2.13	36.09	11.90	3165.98	2.09	24.96	14007.79	6627.83	3509.68	10137.51	18338.66	0.55
8.15	4.86	267.00	2.11	36.23	11.90	3177.88	2.07	24.78	14032.57	6581.04	3484.90	10065.94	18141.01	0.55
3.04	4.86	268.00	2.11	36.36	11.90	3189.78	2.07	24.64	14057.21	6602.56	3460.25	10062.82	18132.41	0.55
4.89	4.83	269.00	2.08	36.50	11.90	3201.68	2.04	24.48	14081.69	6541.91	3435.78	9977.68	17899.04	0.56
3.80	4.83	270.00	2.08	36.64	11.90	3213.59	2.04	24.30	14105.99	6557.26	3411.47	9968.73	17874.60	0.56
5.65	4.82	271.00	2.07	36.77	11.90	3225.49	2.03	24.23	14130.23	6553.07	3387.24	9940.31	17797.26	0.56
5.77	4.82	272.00	2.07	36.91	11.90	3237.39	2.03	24.17	14154.40	6570.90	3363.07	9933.97	17780.08	0.56
2.58	4.78	273.00	2.03	37.04	11.90	3249.29	1.99	23.95	14178.35	6480.79	3339.12	9819.91	17472.02	0.56
2.10	4.78	274.00	2.03	37.18	11.90	3261.20	1.99	23.74	14202.08	6503.37	3315.38	9818.76	17468.92	0.56
3.08	4.75	275.00	2.00	37.31	11.90	3273.10	1.96	23.55	14225.63	6425.03	3291.84	9716.86	17195.71	0.57
5.94	4.75	276.00	2.00	37.45	11.90	3285.00	1.96	23.35	14248.98	6438.44	3268.49	9706.93	17169.17	0.57
5.71	4.73	277.00	1.98	37.58	11.90	3296.90	1.94	23.21	14272.18	6394.13	3245.28	9639.42	16989.47	0.57
6.63	4.72	278.00	1.97	37.72	11.90	3308.80	1.93	23.04	14295.23	6394.50	3222.24	9616.74	16929.31	0.57
4.33	4.71	279.00	1.96	37.86	11.90	3320.71	1.92	22.94	14318.17	6384.92	3199.30	9584.22	16843.38	0.57
5.05	4.70	280.00	1.95	37.99	11.90	3332.61	1.91	22.84	14341.01	6381.65	3176.46	9558.11	16774.63	0.57
6.39	4.69	281.00	1.94	38.13	11.90	3344.51	1.90	22.72	14363.72	6361.79	3153.74	9515.54	16662.91	0.57
8.02	4.69	282.00	1.94	38.26	11.90	3356.41	1.90	22.63	14386.36	6381.14	3131.11	9512.25	16654.32	0.57
2.58	4.68	283.00	1.93	38.40	11.90	3368.32	1.89	22.56	14408.92	6364.11	3108.55	9472.67	16551.20	0.57
2.63	4.67	284.00	1.92	38.53	11.90	3380.22	1.89	22.46	14431.38	6372.07	3086.09	9458.16	16513.52	0.57
2.63	4.67	285.00	1.92	38.67	11.90	3392.12	1.88	22.43	14453.81	6389.13	3063.66	9452.79	16499.64	0.57
1.21	4.67	286.00	1.92	38.81	11.90	3404.02	1.88	22.42	14476.22	6411.54	3041.24	9452.79	16499.64	0.57
1.37	4.66	287.00	1.91	38.94	11.90	3415.92	1.88	22.37	14498.60	6407.15	3018.87	9426.03	16430.89	0.57
2.21	4.66	288.00	1.91	39.08	11.90	3427.83	1.87	22.31	14520.91	6422.75	2996.56	9419.31	16413.70	0.57

6.90	4.66	289.00	1.91	39.21	11.90	3439.73	1.87	22.30	14543.20	6441.68	2974.26	9415.94	16405.11	0.57
8.61	4.65	290.00	1.90	39.35	11.90	3451.63	1.87	22.25	14565.46	6443.65	2952.01	9395.66	16353.54	0.57
10.23	4.65	291.00	1.90	39.48	11.90	3463.53	1.86	22.20	14587.65	6452.28	2929.81	9382.09	16319.17	0.57
7.24	4.63	292.00	1.88	39.62	11.90	3475.43	1.84	22.05	14609.70	6400.55	2907.77	9308.32	16132.91	0.58
4.38	4.63	293.00	1.88	39.76	11.90	3487.34	1.84	21.91	14631.61	6416.52	2885.86	9302.37	16117.94	0.58
3.96	4.62	294.00	1.87	39.89	11.90	3499.24	1.84	21.88	14653.49	6429.55	2863.97	9293.52	16095.74	0.58
4.01	4.62	295.00	1.87	40.03	11.90	3511.14	1.84	21.87	14675.36	6451.42	2842.10	9293.52	16095.74	0.58
3.53	4.61	296.00	1.86	40.16	11.90	3523.04	1.83	21.82	14697.18	6442.18	2820.29	9262.47	16018.40	0.58
3.15	4.60	297.00	1.85	40.30	11.90	3534.95	1.82	21.69	14718.87	6418.86	2798.60	9217.46	15906.68	0.58
3.81	4.59	298.00	1.84	40.43	11.90	3546.85	1.80	21.52	14740.39	6384.80	2777.08	9161.89	15769.18	0.58
6.52	4.58	299.00	1.83	40.57	11.90	3558.75	1.79	21.37	14761.76	6374.81	2755.71	9130.52	15691.84	0.58
3.00	4.55	300.00	1.80	40.71	11.90	3570.65	1.77	21.17	14782.93	6305.06	2734.54	9039.60	15468.41	0.58
2.39	4.54	301.00	1.79	40.84	11.90	3582.55	1.76	20.96	14803.89	6290.93	2713.58	9004.51	15382.47	0.59
11.25	4.53	302.00	1.78	40.98	11.90	3594.46	1.75	20.84	14824.73	6276.57	2692.74	8969.31	15296.54	0.59
11.54	4.51	303.00	1.76	41.11	11.90	3606.36	1.72	20.64	14845.37	6212.44	2672.10	8884.54	15090.29	0.59
4.04	4.49	304.00	1.74	41.25	11.90	3618.26	1.71	20.42	14865.79	6179.70	2651.68	8831.38	14961.39	0.59
3.43	4.47	305.00	1.72	41.38	11.90	3630.16	1.69	20.21	14886.00	6130.02	2631.47	8761.48	14792.43	0.59
5.04	4.46	306.00	1.71	41.52	11.90	3642.07	1.68	20.05	14906.05	6120.32	2611.42	8731.74	14720.77	0.59
3.93	4.46	307.00	1.71	41.66	11.90	3653.97	1.67	19.96	14926.01	6115.23	2591.46	8706.69	14660.61	0.59
2.43	4.45	308.00	1.70	41.79	11.90	3665.87	1.67	19.90	14945.91	6120.76	2571.56	8692.32	14626.24	0.59
1.16	4.45	309.00	1.70	41.93	11.90	3677.77	1.67	19.86	14965.77	6133.42	2551.70	8685.12	14609.05	0.59
2.03	4.44	310.00	1.69	42.06	11.90	3689.67	1.66	19.81	14985.58	6127.93	2531.89	8659.82	14548.90	0.60
1.45	4.44	311.00	1.69	42.20	11.90	3701.58	1.66	19.75	15005.33	6136.81	2512.14	8648.95	14523.12	0.60
4.20	4.44	312.00	1.69	42.33	11.90	3713.48	1.66	19.73	15025.06	6156.54	2492.41	8648.95	14523.12	0.60
5.11	4.43	313.00	1.68	42.47	11.90	3725.38	1.65	19.66	15044.72	6132.42	2472.75	8605.16	14419.99	0.60
4.73	4.40	314.00	1.65	42.61	11.90	3737.28	1.62	19.45	15064.17	6064.02	2453.29	8517.31	14213.75	0.60
7.01	4.40	315.00	1.65	42.74	11.90	3749.18	1.62	19.28	15083.45	6061.26	2434.02	8495.28	14162.19	0.60
7.40	4.38	316.00	1.63	42.88	11.90	3761.09	1.60	19.14	15102.59	6017.78	2414.87	8432.66	14016.10	0.60
2.44	4.36	317.00	1.61	43.01	11.90	3772.99	1.58	18.92	15121.51	5959.10	2395.95	8355.05	13835.63	0.60
4.26	4.35	318.00	1.60	43.15	11.90	3784.89	1.57	18.75	15140.27	5948.19	2377.20	8325.39	13766.88	0.60
4.34	4.35	319.00	1.60	43.28	11.90	3796.79	1.57	18.68	15158.95	5952.00	2358.52	8310.52	13732.51	0.61
3.72	4.34	320.00	1.59	43.42	11.90	3808.70	1.56	18.59	15177.54	5929.56	2339.93	8269.48	13637.98	0.61
0.92	4.34	321.00	1.59	43.55	11.90	3820.60	1.55	18.52	15196.06	5940.59	2321.41	8262.00	13620.79	0.61
0.77	4.33	322.00	1.58	43.69	11.90	3832.50	1.55	18.50	15214.56	5955.34	2302.91	8258.24	13612.20	0.61
0.62	4.33	323.00	1.58	43.83	11.90	3844.40	1.55	18.45	15233.01	5943.66	2284.46	8228.12	13543.45	0.61
2.16	4.32	324.00	1.57	43.96	11.90	3856.30	1.54	18.37	15251.38	5939.36	2266.09	8205.46	13491.89	0.61
3.13	4.32	325.00	1.57	44.10	11.90	3868.21	1.54	18.33	15269.70	5953.90	2247.77	8201.67	13483.30	0.61
5.79	4.31	326.00	1.56	44.23	11.90	3880.11	1.53	18.29	15287.99	5953.19	2229.48	8182.67	13440.33	0.61
11.61	4.31	327.00	1.56	44.37	11.90	3892.01	1.53	18.26	15306.25	5967.63	2211.22	8178.85	13431.73	0.61
2.90	4.31	328.00	1.56	44.50	11.90	3903.91	1.53	18.21	15324.46	5959.07	2193.01	8152.09	13371.58	0.61
3.22	4.30	329.00	1.55	44.64	11.90	3915.82	1.52	18.12	15342.58	5946.51	2174.89	8121.40	13302.83	0.61
3.67	4.29	330.00	1.54	44.78	11.90	3927.72	1.51	18.00	15360.58	5918.35	2156.89	8075.23	13199.71	0.61

5.95	4.28	331.00	1.53	44.91	11.90	3939.62	1.50	17.92	15378.50	5928.00	2138.96	8066.97	13181.30	0.61
4.54	4.27	332.00	1.52	45.05	11.90	3951.52	1.49	17.85	15396.35	5903.82	2121.12	8024.94	13087.99	0.61
2.73	4.27	333.00	1.52	45.18	11.90	3963.42	1.49	17.77	15414.12	5913.83	2103.35	8017.18	13070.80	0.61
3.02	4.26	334.00	1.51	45.32	11.90	3975.33	1.48	17.69	15431.81	5884.79	2085.66	7970.45	12967.68	0.61
3.81	4.26	335.00	1.51	45.45	11.90	3987.23	1.48	17.61	15449.42	5894.59	2068.05	7962.64	12950.49	0.61
2.20	4.25	336.00	1.50	45.59	11.90	3999.13	1.47	17.53	15466.94	5865.10	2050.53	7915.63	12847.37	0.62
7.56	4.24	337.00	1.49	45.73	11.90	4011.03	1.46	17.43	15484.37	5866.82	2033.09	7899.91	12813.00	0.62
5.58	4.23	338.00	1.48	45.86	11.90	4022.93	1.45	17.34	15501.72	5840.82	2015.75	7856.57	12718.47	0.62
6.63	4.23	339.00	1.48	46.00	11.90	4034.84	1.45	17.26	15518.98	5842.27	1998.49	7840.76	12684.09	0.62
2.70	4.22	340.00	1.47	46.13	11.90	4046.74	1.44	17.19	15536.16	5827.74	1981.30	7809.05	12615.35	0.62
3.06	4.22	341.00	1.47	46.27	11.90	4058.64	1.44	17.13	15553.30	5840.90	1964.17	7805.07	12606.75	0.62
2.75	4.22	342.00	1.47	46.40	11.90	4070.54	1.44	17.12	15570.42	5854.67	1947.05	7801.71	12599.52	0.62
2.27	4.21	343.00	1.46	46.54	11.90	4082.45	1.43	17.08	15587.51	5847.12	1929.96	7777.09	12546.60	0.62
2.41	4.21	344.00	1.46	46.68	11.90	4094.35	1.43	17.05	15604.55	5864.17	1912.92	7777.09	12546.60	0.62
2.25	4.21	345.00	1.46	46.81	11.90	4106.25	1.43	17.04	15621.59	5873.16	1895.88	7769.04	12529.41	0.62
3.51	4.20	346.00	1.45	46.95	11.90	4118.15	1.42	16.97	15638.56	5853.83	1878.91	7732.74	12452.07	0.62
3.82	4.19	347.00	1.44	47.08	11.90	4130.05	1.41	16.87	15655.42	5834.28	1862.04	7696.32	12374.73	0.62
3.23	4.19	348.00	1.44	47.22	11.90	4141.96	1.41	16.80	15672.22	5838.90	1845.25	7684.15	12348.95	0.62
7.11	4.18	349.00	1.43	47.35	11.90	4153.86	1.40	16.74	15688.96	5827.16	1828.51	7655.67	12288.79	0.62
7.10	4.18	350.00	1.43	47.49	11.90	4165.76	1.40	16.70	15705.65	5842.92	1811.81	7654.73	12286.82	0.62
6.86	4.17	351.00	1.42	47.63	11.90	4177.66	1.39	16.65	15722.30	5827.76	1795.17	7622.93	12220.04	0.62
6.13	4.17	352.00	1.42	47.76	11.90	4189.57	1.39	16.59	15738.89	5836.15	1778.57	7614.72	12202.86	0.62
2.25	4.16	353.00	1.41	47.90	11.90	4201.47	1.39	16.53	15755.43	5819.75	1762.04	7581.80	12134.11	0.62
2.92	4.16	354.00	1.41	48.03	11.90	4213.37	1.38	16.46	15771.89	5819.71	1745.58	7565.29	12099.73	0.63
3.95	4.15	355.00	1.40	48.17	11.90	4225.27	1.38	16.41	15788.30	5815.42	1729.17	7544.59	12056.76	0.63
3.74	4.15	356.00	1.40	48.30	11.90	4237.17	1.37	16.35	15804.65	5806.86	1712.82	7519.69	12005.20	0.63
1.04	4.14	357.00	1.39	48.44	11.90	4249.08	1.36	16.27	15820.92	5794.00	1696.55	7490.55	11945.05	0.63
1.12	4.14	358.00	1.39	48.58	11.90	4260.98	1.36	16.21	15837.12	5793.51	1680.34	7473.85	11910.67	0.63
2.43	4.13	359.00	1.38	48.71	11.90	4272.88	1.36	16.17	15853.30	5801.31	1664.17	7465.48	11893.49	0.63
2.23	4.13	360.00	1.38	48.85	11.90	4284.78	1.35	16.14	15869.43	5800.65	1648.04	7448.69	11859.11	0.63
4.10	4.13	361.00	1.38	48.98	11.90	4296.68	1.35	16.11	15885.54	5816.77	1631.92	7448.69	11859.11	0.63
3.85	4.13	362.00	1.38	49.12	11.90	4308.59	1.35	16.09	15901.63	5815.97	1615.83	7431.81	11824.74	0.63
9.83	4.12	363.00	1.37	49.25	11.90	4320.49	1.34	16.03	15917.67	5806.61	1599.80	7406.41	11773.18	0.63
9.80	4.11	364.00	1.36	49.39	11.90	4332.39	1.33	15.92	15933.59	5767.35	1583.88	7351.24	11661.46	0.63
3.52	4.10	365.00	1.35	49.53	11.90	4344.29	1.32	15.80	15949.39	5753.37	1568.08	7321.44	11601.31	0.63
1.40	4.10	366.00	1.35	49.66	11.90	4356.20	1.32	15.76	15965.15	5769.13	1552.32	7321.44	11601.31	0.63
4.14	4.10	367.00	1.35	49.80	11.90	4368.10	1.32	15.76	15980.91	5784.89	1536.55	7321.44	11601.31	0.63
1.40	4.09	368.00	1.34	49.93	11.90	4380.00	1.32	15.73	15996.64	5774.87	1520.83	7295.70	11549.74	0.63
0.69	4.08	369.00	1.33	50.07	11.90	4391.90	1.31	15.62	16012.26	5738.86	1505.20	7244.07	11446.62	0.63
0.85	4.08	370.00	1.33	50.20	11.90	4403.80	1.30	15.51	16027.78	5724.17	1489.69	7213.87	11386.47	0.63
0.52	4.07	371.00	1.32	50.34	11.90	4415.71	1.30	15.46	16043.24	5735.31	1474.23	7209.54	11377.87	0.63
3.59	4.05	372.00	1.30	50.47	11.90	4427.61	1.28	15.34	16058.58	5663.90	1458.88	7122.79	11206.00	0.64



2.16	4.04	373.00	1.29	50.61	11.90	4439.51	1.26	15.14	16073.72	5613.80	1443.75	7057.55	11077.10	0.64
4.24	4.03	374.00	1.28	50.75	11.90	4451.41	1.26	15.00	16088.72	5589.55	1428.75	7018.30	10999.76	0.64
8.32	4.03	375.00	1.28	50.88	11.90	4463.32	1.25	14.92	16103.64	5586.98	1413.83	7000.81	10965.38	0.64
6.00	4.02	376.00	1.27	51.02	11.90	4475.22	1.25	14.89	16118.53	5593.10	1398.94	6992.04	10948.20	0.64
2.15	4.01	377.00	1.26	51.15	11.90	4487.12	1.24	14.82	16133.35	5563.96	1384.12	6948.08	10862.26	0.64
1.40	3.99	378.00	1.24	51.29	11.90	4499.02	1.22	14.64	16147.99	5490.44	1369.48	6859.93	10690.39	0.64
3.06	3.99	379.00	1.24	51.42	11.90	4510.92	1.22	14.51	16162.49	5491.69	1354.97	6846.67	10664.61	0.64
3.11	3.99	380.00	1.24	51.56	11.90	4522.83	1.21	14.47	16176.97	5492.87	1340.50	6833.37	10638.83	0.64
3.15	3.98	381.00	1.23	51.70	11.90	4534.73	1.21	14.42	16191.39	5480.64	1326.08	6806.72	10587.27	0.64
1.95	3.98	382.00	1.23	51.83	11.90	4546.63	1.21	14.37	16205.76	5486.10	1311.71	6797.81	10570.08	0.64
3.83	3.98	383.00	1.23	51.97	11.90	4558.53	1.20	14.34	16220.10	5482.57	1297.37	6779.94	10535.70	0.64
4.03	3.96	384.00	1.21	52.10	11.90	4570.43	1.18	14.19	16234.29	5402.73	1283.18	6685.91	10355.24	0.65
5.35	3.95	385.00	1.20	52.24	11.90	4582.34	1.18	14.06	16248.35	5409.87	1269.12	6678.98	10341.98	0.65
6.31	3.95	386.00	1.20	52.37	11.90	4594.24	1.18	14.03	16262.38	5408.34	1255.09	6663.42	10312.27	0.65
5.47	3.93	387.00	1.18	52.51	11.90	4606.14	1.16	13.92	16276.30	5350.05	1241.17	6591.22	10174.78	0.65
3.58	3.93	388.00	1.18	52.65	11.90	4618.04	1.16	13.81	16290.12	5356.56	1227.35	6583.91	10160.89	0.65
3.08	3.93	389.00	1.18	52.78	11.90	4629.95	1.16	13.80	16303.91	5364.07	1213.56	6577.63	10148.99	0.65
2.36	3.93	390.00	1.18	52.92	11.90	4641.85	1.15	13.76	16317.67	5355.10	1199.80	6554.89	10106.03	0.65
4.23	3.92	391.00	1.17	53.05	11.90	4653.75	1.15	13.70	16331.37	5341.43	1186.10	6527.53	10054.47	0.65
2.18	3.92	392.00	1.17	53.19	11.90	4665.65	1.14	13.64	16345.01	5336.79	1172.46	6509.25	10020.09	0.65
3.03	3.89	393.00	1.14	53.32	11.90	4677.55	1.12	13.49	16358.49	5249.45	1158.98	6408.43	9831.03	0.65
2.83	3.89	394.00	1.14	53.46	11.90	4689.46	1.12	13.36	16371.85	5262.81	1145.62	6408.43	9831.03	0.65
3.33	3.89	395.00	1.14	53.60	11.90	4701.36	1.12	13.34	16385.19	5262.33	1132.28	6394.61	9805.25	0.65
5.26	3.89	396.00	1.14	53.73	11.90	4713.26	1.12	13.30	16398.49	5261.78	1118.97	6380.75	9779.47	0.65
4.98	3.88	397.00	1.13	53.87	11.90	4725.16	1.11	13.25	16411.75	5247.26	1105.72	6352.98	9727.91	0.65
7.74	3.88	398.00	1.13	54.00	11.90	4737.07	1.11	13.21	16424.95	5251.18	1092.52	6343.69	9710.72	0.65
6.87	3.88	399.00	1.13	54.14	11.90	4748.97	1.11	13.18	16438.13	5252.05	1079.34	6331.38	9687.99	0.65
7.16	3.87	400.00	1.12	54.27	11.90	4760.87	1.10	13.13	16451.26	5240.20	1066.21	6306.41	9641.97	0.65
4.55	3.86	401.00	1.11	54.41	11.90	4772.77	1.09	13.04	16464.30	5206.48	1053.16	6259.65	9556.04	0.66
4.98	3.86	402.00	1.11	54.55	11.90	4784.67	1.09	12.95	16477.26	5196.00	1040.21	6236.21	9513.07	0.66
4.67	3.85	403.00	1.10	54.68	11.90	4796.58	1.08	12.88	16490.14	5175.99	1027.32	6203.31	9452.92	0.66
3.66	3.84	404.00	1.09	54.82	11.90	4808.48	1.07	12.78	16502.92	5136.94	1014.54	6151.49	9358.39	0.66
1.36	3.84	405.00	1.09	54.95	11.90	4820.38	1.07	12.72	16515.64	5149.66	1001.83	6151.49	9358.39	0.66
0.79	3.84	406.00	1.09	55.09	11.90	4832.28	1.07	12.70	16528.34	5148.15	989.13	6137.28	9332.61	0.66
2.01	3.83	407.00	1.08	55.22	11.90	4844.18	1.06	12.65	16540.98	5132.32	976.49	6108.80	9281.04	0.66
4.44	3.83	408.00	1.08	55.36	11.90	4856.09	1.06	12.60	16553.58	5134.14	963.89	6098.03	9261.59	0.66
4.21	3.82	409.00	1.07	55.50	11.90	4867.99	1.05	12.56	16566.14	5128.88	951.33	6080.21	9229.48	0.66
3.67	3.82	410.00	1.07	55.63	11.90	4879.89	1.05	12.52	16578.66	5122.28	938.81	6061.09	9195.11	0.66
5.17	3.81	411.00	1.06	55.77	11.90	4891.79	1.04	12.43	16591.09	5086.78	926.38	6013.16	9109.17	0.66
2.63	3.81	412.00	1.06	55.90	11.90	4903.70	1.04	12.38	16603.47	5099.16	914.00	6013.16	9109.17	0.66
2.12	3.81	413.00	1.06	56.04	11.90	4915.60	1.04	12.36	16615.83	5097.07	901.64	5998.71	9083.39	0.66
3.56	3.81	414.00	1.06	56.17	11.90	4927.50	1.04	12.34	16628.16	5104.57	889.30	5993.88	9074.80	0.66

3.24	3.80	415.00	1.05	56.31	11.90	4939.40	1.03	12.29	16640.46	5087.83	877.01	5964.84	9023.24	0.66
2.36	3.80	416.00	1.05	56.45	11.90	4951.30	1.03	12.26	16652.72	5100.09	864.75	5964.84	9023.24	0.66
2.70	3.80	417.00	1.05	56.58	11.90	4963.21	1.03	12.24	16664.96	5097.74	852.51	5950.25	8997.46	0.66
4.46	3.80	418.00	1.05	56.72	11.90	4975.11	1.03	12.21	16677.17	5100.21	840.29	5940.50	8980.27	0.66
5.89	3.77	419.00	1.02	56.85	11.90	4987.01	1.00	12.07	16689.25	5004.78	828.22	5833.00	8791.21	0.66
4.27	3.74	420.00	0.99	56.99	11.90	4998.91	0.97	11.75	16701.00	4854.89	816.47	5671.36	8507.62	0.67
4.61	3.74	421.00	0.99	57.12	11.90	5010.82	0.97	11.55	16712.55	4861.54	804.92	5666.45	8499.03	0.67
5.07	3.73	422.00	0.98	57.26	11.90	5022.72	0.96	11.50	16724.05	4833.67	793.42	5627.08	8430.28	0.67
8.65	3.72	423.00	0.97	57.39	11.90	5034.62	0.95	11.36	16735.41	4766.10	782.05	5548.15	8292.79	0.67
4.43	3.71	424.00	0.96	57.53	11.90	5046.52	0.94	11.22	16746.63	4737.76	770.83	5508.59	8224.04	0.67
1.92	3.69	425.00	0.94	57.67	11.90	5058.42	0.93	11.10	16757.73	4684.42	759.74	5444.16	8112.32	0.67
4.09	3.69	426.00	0.94	57.80	11.90	5070.33	0.92	10.98	16768.71	4660.63	748.75	5409.38	8052.17	0.67
3.03	3.68	427.00	0.93	57.94	11.90	5082.23	0.91	10.90	16779.61	4636.67	737.86	5374.52	7992.01	0.67
3.25	3.67	428.00	0.92	58.07	11.90	5094.13	0.90	10.80	16790.41	4597.55	727.05	5324.61	7906.08	0.67
7.43	3.67	429.00	0.92	58.21	11.90	5106.03	0.90	10.74	16801.16	4608.30	716.31	5324.61	7906.08	0.67
3.71	3.67	430.00	0.92	58.34	11.90	5117.93	0.90	10.73	16811.89	4611.22	705.58	5316.80	7892.68	0.67
2.44	3.66	431.00	0.91	58.48	11.90	5129.84	0.89	10.67	16822.56	4579.46	694.91	5274.36	7820.14	0.67
1.81	3.66	432.00	0.91	58.62	11.90	5141.74	0.89	10.62	16833.18	4585.04	684.29	5269.32	7811.55	0.67
6.00	3.66	433.00	0.91	58.75	11.90	5153.64	0.89	10.61	16843.80	4595.65	673.67	5269.32	7811.55	0.67
3.04	3.65	434.00	0.90	58.89	11.90	5165.54	0.89	10.58	16854.38	4580.93	663.09	5244.02	7768.58	0.68
13.94	3.65	435.00	0.90	59.02	11.90	5177.45	0.88	10.50	16864.88	4545.77	652.59	5198.36	7691.24	0.68
5.01	3.64	436.00	0.89	59.16	11.90	5189.35	0.87	10.40	16875.28	4510.40	642.19	5152.59	7613.89	0.68
1.51	3.63	437.00	0.88	59.29	11.90	5201.25	0.87	10.33	16885.61	4505.44	631.86	5137.30	7588.11	0.68
1.94	3.63	438.00	0.88	59.43	11.90	5213.15	0.86	10.29	16895.89	4495.54	621.57	5117.11	7554.15	0.68
2.97	3.63	439.00	0.88	59.57	11.90	5225.05	0.86	10.26	16906.16	4505.56	611.31	5116.87	7553.74	0.68
1.47	3.62	440.00	0.87	59.70	11.90	5236.96	0.85	10.22	16916.37	4474.74	601.09	5075.83	7485.02	0.68
0.45	3.60	441.00	0.85	59.84	11.90	5248.86	0.83	10.05	16926.42	4376.76	591.05	4967.81	7304.53	0.68
1.31	3.60	442.00	0.85	59.97	11.90	5260.76	0.83	9.91	16936.33	4371.20	581.14	4952.34	7278.75	0.68
0.64	3.59	443.00	0.84	60.11	11.90	5272.66	0.83	9.86	16946.19	4355.23	571.28	4926.51	7235.78	0.68
2.12	3.59	444.00	0.84	60.24	11.90	5284.57	0.83	9.83	16956.01	4359.88	561.45	4921.33	7227.18	0.68
4.07	3.59	445.00	0.84	60.38	11.90	5296.47	0.82	9.80	16965.81	4348.91	551.66	4900.57	7192.81	0.68
9.40	3.58	446.00	0.83	60.52	11.90	5308.37	0.81	9.73	16975.54	4322.23	541.93	4864.16	7132.65	0.68
8.14	3.58	447.00	0.83	60.65	11.90	5320.27	0.81	9.67	16985.21	4311.05	532.26	4843.31	7098.28	0.68
3.65	3.57	448.00	0.82	60.79	11.90	5332.17	0.80	9.59	16994.80	4268.38	522.67	4791.06	7012.34	0.68
2.08	3.56	449.00	0.81	60.92	11.90	5344.08	0.80	9.51	17004.31	4264.91	513.16	4778.07	6991.03	0.68
5.32	3.56	450.00	0.81	61.06	11.90	5355.98	0.79	9.48	17013.79	4255.91	503.68	4759.59	6960.78	0.68
6.27	3.56	451.00	0.81	61.19	11.90	5367.88	0.79	9.46	17023.25	4265.37	494.22	4759.59	6960.78	0.68
4.46	3.56	452.00	0.81	61.33	11.90	5379.78	0.79	9.46	17032.70	4274.83	484.77	4759.59	6960.78	0.68
6.54	3.56	453.00	0.81	61.47	11.90	5391.68	0.79	9.43	17042.13	4257.84	475.34	4733.18	6917.82	0.68
7.71	3.53	454.00	0.78	61.60	11.90	5403.59	0.77	9.26	17051.40	4145.32	466.07	4611.39	6720.16	0.69
4.67	3.52	455.00	0.77	61.74	11.90	5415.49	0.76	9.06	17060.46	4090.70	457.01	4547.71	6617.04	0.69
9.18	3.51	456.00	0.76	61.87	11.90	5427.39	0.75	8.96	17069.41	4067.74	448.06	4515.80	6565.48	0.69

5.07	3.51	457.00	0.76	62.01	11.90	5439.29	0.75	8.90	17078.31	4055.32	439.16	4494.48	6531.11	0.69
4.17	3.50	458.00	0.75	62.14	11.90	5451.20	0.74	8.84	17087.15	4032.11	430.32	4462.43	6479.54	0.69
5.43	3.50	459.00	0.75	62.28	11.90	5463.10	0.74	8.79	17095.94	4030.19	421.53	4451.72	6462.36	0.69
4.13	3.48	460.00	0.73	62.42	11.90	5475.00	0.71	8.63	17104.57	3904.70	412.89	4317.59	6247.52	0.69
3.98	3.47	461.00	0.72	62.55	11.90	5486.90	0.71	8.45	17113.02	3875.00	404.45	4279.44	6186.55	0.69
4.13	3.47	462.00	0.72	62.69	11.90	5498.80	0.70	8.39	17121.42	3873.13	396.05	4269.18	6170.18	0.69
5.18	3.45	463.00	0.70	62.82	11.90	5510.71	0.69	8.30	17129.71	3799.68	387.76	4187.44	6040.09	0.69
6.69	3.44	464.00	0.69	62.96	11.90	5522.61	0.67	8.11	17137.82	3716.53	379.65	4096.18	5895.18	0.69
5.60	3.43	465.00	0.68	63.09	11.90	5534.51	0.67	7.97	17145.79	3691.96	371.67	4063.64	5843.62	0.70
4.36	3.43	466.00	0.68	63.23	11.90	5546.41	0.66	7.92	17153.72	3683.58	363.75	4047.33	5817.84	0.70
4.18	3.43	467.00	0.68	63.36	11.90	5558.32	0.66	7.90	17161.62	3686.03	355.85	4041.88	5809.25	0.70
3.56	3.42	468.00	0.67	63.50	11.90	5570.22	0.66	7.87	17169.48	3672.07	347.98	4020.05	5774.87	0.70
6.57	3.41	469.00	0.66	63.64	11.90	5582.12	0.65	7.80	17177.28	3636.10	340.18	3976.29	5706.12	0.70
4.19	3.41	470.00	0.66	63.77	11.90	5594.02	0.65	7.74	17185.02	3627.39	332.45	3959.84	5680.34	0.70
4.86	3.40	471.00	0.65	63.91	11.90	5605.92	0.64	7.67	17192.68	3585.42	324.78	3910.20	5602.70	0.70
5.72	3.39	472.00	0.64	64.04	11.90	5617.83	0.62	7.52	17200.21	3510.56	317.26	3827.82	5474.10	0.70
4.83	3.38	473.00	0.63	64.18	11.90	5629.73	0.62	7.41	17207.62	3495.91	309.84	3805.75	5439.72	0.70
4.21	3.38	474.00	0.63	64.31	11.90	5641.63	0.62	7.38	17215.00	3492.23	302.46	3794.70	5422.54	0.70
2.84	3.38	475.00	0.63	64.45	11.90	5653.53	0.62	7.37	17222.37	3497.41	295.10	3792.51	5419.14	0.70
3.23	3.37	476.00	0.62	64.59	11.90	5665.43	0.61	7.31	17229.68	3451.39	287.79	3739.18	5336.60	0.70
1.83	3.36	477.00	0.61	64.72	11.90	5677.34	0.59	7.16	17236.83	3369.53	280.64	3650.16	5199.10	0.70
1.85	3.33	478.00	0.58	64.86	11.90	5689.24	0.57	6.92	17243.75	3237.06	273.72	3510.78	4984.26	0.70
1.80	3.32	479.00	0.57	64.99	11.90	5701.14	0.56	6.73	17250.48	3204.69	266.99	3471.67	4924.11	0.71
3.10	3.32	480.00	0.57	65.13	11.90	5713.04	0.56	6.68	17257.17	3205.77	260.30	3466.07	4915.52	0.71
3.02	3.32	481.00	0.57	65.26	11.90	5724.95	0.56	6.68	17263.85	3212.45	253.62	3466.07	4915.52	0.71
9.90	3.32	482.00	0.57	65.40	11.90	5736.85	0.56	6.67	17270.51	3207.87	246.96	3454.83	4898.33	0.71
5.69	3.28	483.00	0.53	65.54	11.90	5748.75	0.52	6.40	17276.92	2972.03	240.55	3212.58	4528.81	0.71
5.97	3.26	484.00	0.51	65.67	11.90	5760.65	0.50	6.07	17282.98	2893.41	234.49	3127.90	4399.90	0.71
2.85	3.25	485.00	0.50	65.81	11.90	5772.55	0.49	5.93	17288.91	2854.09	228.55	3082.64	4331.15	0.71
1.90	3.24	486.00	0.49	65.94	11.90	5784.46	0.48	5.80	17294.72	2780.53	222.75	3003.28	4210.84	0.71
2.76	3.24	487.00	0.49	66.08	11.90	5796.36	0.48	5.70	17300.41	2763.51	217.05	2980.56	4176.47	0.71
4.32	3.23	488.00	0.48	66.21	11.90	5808.26	0.47	5.66	17306.08	2757.79	211.39	2969.18	4159.28	0.71
2.16	3.23	489.00	0.48	66.35	11.90	5820.16	0.47	5.63	17311.71	2740.60	205.76	2946.36	4124.91	0.71
1.68	3.23	490.00	0.48	66.49	11.90	5832.07	0.47	5.60	17317.31	2746.20	200.16	2946.36	4124.91	0.71
1.45	3.22	491.00	0.47	66.62	11.90	5843.97	0.46	5.56	17322.87	2708.89	194.60	2903.48	4060.57	0.72
5.08	3.22	492.00	0.47	66.76	11.90	5855.87	0.46	5.50	17328.37	2699.97	189.09	2889.06	4038.97	0.72
3.68	3.20	493.00	0.45	66.89	11.90	5867.77	0.44	5.37	17333.74	2590.33	183.72	2774.05	3867.10	0.72
12.93	3.19	494.00	0.44	67.03	11.90	5879.67	0.43	5.20	17338.95	2543.67	178.52	2722.19	3789.76	0.72
8.11	3.18	495.00	0.43	67.16	11.90	5891.58	0.42	5.10	17344.05	2502.58	173.42	2676.00	3721.01	0.72
6.59	3.18	496.00	0.43	67.30	11.90	5903.48	0.42	5.01	17349.06	2461.31	168.41	2629.72	3652.26	0.72
2.07	3.17	497.00	0.42	67.44	11.90	5915.38	0.41	4.93	17353.98	2431.45	163.48	2594.94	3600.70	0.72
1.90	3.17	498.00	0.42	67.57	11.90	5927.28	0.41	4.88	17358.86	2422.40	158.61	2581.00	3580.09	0.72

2.99	3.17	499.00	0.42	67.71	11.90	5939.18	0.41	4.86	17363.73	2425.91	153.74	2579.65	3578.09	0.72
3.20	3.15	500.00	0.40	67.84	11.90	5951.09	0.39	4.77	17368.49	2335.21	148.98	2484.18	3437.42	0.72
1.35	3.15	501.00	0.40	67.98	11.90	5962.99	0.39	4.64	17373.14	2313.54	144.33	2457.88	3398.74	0.72
1.38	3.15	502.00	0.40	68.11	11.90	5974.89	0.39	4.61	17377.75	2315.24	139.72	2454.96	3394.46	0.72
3.56	3.14	503.00	0.39	68.25	11.90	5986.79	0.38	4.58	17382.33	2290.49	135.13	2425.62	3351.49	0.72
4.98	3.14	504.00	0.39	68.39	11.90	5998.70	0.38	4.55	17386.89	2295.04	130.58	2425.62	3351.49	0.72
8.11	3.13	505.00	0.38	68.52	11.90	6010.60	0.37	4.50	17391.39	2246.53	126.08	2372.61	3274.15	0.72
4.66	3.13	506.00	0.38	68.66	11.90	6022.50	0.37	4.44	17395.83	2245.07	121.64	2366.70	3265.55	0.72
7.27	3.12	507.00	0.37	68.79	11.90	6034.40	0.36	4.37	17400.20	2178.47	117.27	2295.74	3162.43	0.73
3.14	3.11	508.00	0.36	68.93	11.90	6046.30	0.36	4.26	17404.46	2147.18	113.01	2260.18	3110.87	0.73
2.22	3.11	509.00	0.36	69.06	11.90	6058.21	0.35	4.19	17408.65	2109.80	108.82	2218.62	3050.71	0.73
2.88	3.10	510.00	0.35	69.20	11.90	6070.11	0.34	4.12	17412.76	2087.09	104.70	2191.80	3011.96	0.73
3.14	3.10	511.00	0.35	69.34	11.90	6082.01	0.34	4.09	17416.85	2088.26	100.61	2188.87	3007.75	0.73
3.88	3.08	512.00	0.33	69.47	11.90	6093.91	0.33	3.99	17420.84	1990.72	96.63	2087.34	2861.66	0.73
3.48	3.08	513.00	0.33	69.61	11.90	6105.82	0.32	3.87	17424.71	1976.64	92.76	2069.39	2835.87	0.73
1.56	3.08	514.00	0.33	69.74	11.90	6117.72	0.32	3.85	17428.56	1980.49	88.90	2069.39	2835.87	0.73
2.13	3.08	515.00	0.33	69.88	11.90	6129.62	0.32	3.84	17432.41	1972.32	85.06	2057.38	2818.69	0.73
4.31	3.07	516.00	0.32	70.01	11.90	6141.52	0.32	3.80	17436.21	1946.02	81.26	2027.28	2775.72	0.73
2.99	3.07	517.00	0.32	70.15	11.90	6153.42	0.31	3.76	17439.97	1937.72	77.50	2015.22	2758.53	0.73
8.63	3.06	518.00	0.31	70.28	11.90	6165.33	0.30	3.67	17443.64	1862.84	73.83	1936.67	2646.82	0.73
6.06	3.06	519.00	0.31	70.42	11.90	6177.23	0.30	3.58	17447.22	1848.26	70.25	1918.51	2621.04	0.73
8.02	3.04	520.00	0.29	70.56	11.90	6189.13	0.29	3.48	17450.70	1766.82	66.77	1833.59	2500.73	0.73
2.49	3.04	521.00	0.29	70.69	11.90	6201.03	0.28	3.38	17454.08	1751.97	63.39	1815.36	2474.95	0.73
4.14	3.03	522.00	0.28	70.83	11.90	6212.93	0.27	3.32	17457.39	1706.57	60.08	1766.64	2406.20	0.73
6.36	3.03	523.00	0.28	70.96	11.90	6224.84	0.27	3.26	17460.66	1703.73	56.81	1760.54	2397.60	0.73
3.63	3.03	524.00	0.28	71.10	11.90	6236.74	0.27	3.24	17463.90	1688.63	53.57	1742.21	2371.82	0.73
3.56	3.02	525.00	0.27	71.23	11.90	6248.64	0.27	3.21	17467.10	1673.47	50.37	1723.83	2346.04	0.73
3.12	3.02	526.00	0.27	71.37	11.90	6260.54	0.26	3.17	17470.27	1658.23	47.20	1705.43	2320.26	0.74
1.85	3.00	527.00	0.25	71.51	11.90	6272.45	0.25	3.04	17473.31	1538.32	44.16	1582.48	2148.39	0.74
5.93	2.99	528.00	0.24	71.64	11.90	6284.35	0.24	2.88	17476.19	1504.25	41.28	1545.52	2096.83	0.74
5.68	2.99	529.00	0.24	71.78	11.90	6296.25	0.24	2.83	17479.02	1482.39	38.45	1520.84	2062.45	0.74
5.11	2.97	530.00	0.22	71.91	11.90	6308.15	0.22	2.70	17481.71	1373.80	35.75	1409.56	1907.77	0.74
5.33	2.97	531.00	0.22	72.05	11.90	6320.05	0.21	2.56	17484.28	1345.39	33.19	1378.59	1864.80	0.74
6.59	2.96	532.00	0.21	72.18	11.90	6331.96	0.21	2.50	17486.78	1310.66	30.69	1341.35	1813.24	0.74
4.10	2.95	533.00	0.20	72.32	11.90	6343.86	0.20	2.41	17489.19	1257.11	28.28	1285.39	1735.90	0.74
4.11	2.94	534.00	0.19	72.46	11.90	6355.76	0.19	2.30	17491.49	1197.12	25.98	1223.10	1649.96	0.74
4.53	2.93	535.00	0.18	72.59	11.90	6367.66	0.18	2.20	17493.68	1149.39	23.79	1173.17	1581.22	0.74
5.78	2.92	536.00	0.17	72.73	11.90	6379.57	0.17	2.09	17495.77	1088.95	21.70	1110.65	1495.28	0.74
4.16	2.92	537.00	0.17	72.86	11.90	6391.47	0.17	2.03	17497.80	1090.99	19.66	1110.65	1495.28	0.74
3.19	2.92	538.00	0.17	73.00	11.90	6403.37	0.17	2.01	17499.81	1067.89	17.66	1085.55	1460.91	0.74
4.60	2.92	539.00	0.17	73.13	11.90	6415.27	0.16	1.97	17501.78	1056.68	15.68	1072.36	1442.88	0.74
6.11	2.90	540.00	0.15	73.27	11.90	6427.17	0.15	1.86	17503.64	945.76	13.83	959.59	1289.03	0.74

5.91	2.89	541.00	0.14	73.41	11.90	6439.08	0.14	1.70	17505.34	893.43	12.13	905.56	1215.46	0.75
9.19	2.88	542.00	0.13	73.54	11.90	6450.98	0.13	1.58	17506.93	822.69	10.54	833.23	1117.16	0.75
9.82	2.86	543.00	0.11	73.68	11.90	6462.88	0.11	1.41	17508.33	703.21	9.14	712.35	953.16	0.75
4.33	2.85	544.00	0.10	73.81	11.90	6474.78	0.10	1.23	17509.56	635.18	7.90	643.08	859.36	0.75
2.44	2.85	545.00	0.10	73.95	11.90	6486.68	0.09	1.14	17510.70	604.53	6.77	611.29	816.39	0.75
3.50	2.84	546.00	0.09	74.08	11.90	6498.59	0.09	1.08	17511.78	573.76	5.69	579.45	773.42	0.75
5.39	2.83	547.00	0.08	74.22	11.90	6510.49	0.08	0.99	17512.78	510.94	4.69	515.64	687.48	0.75
3.93	2.83	548.00	0.08	74.36	11.90	6522.39	0.08	0.92	17513.70	499.08	3.77	502.85	670.30	0.75
1.49	2.83	549.00	0.08	74.49	11.90	6534.29	0.07	0.89	17514.59	480.76	2.88	483.64	644.52	0.75
1.19	2.82	550.00	0.07	74.63	11.90	6546.20	0.07	0.86	17515.45	468.79	2.01	470.81	627.33	0.75
1.74	2.81	551.00	0.06	74.76	11.90	6558.10	0.06	0.78	17516.23	386.01	1.24	387.25	515.61	0.75
3.77	2.77	552.00	0.02	74.90	11.90	6570.00	0.02	0.48	17516.72	148.24	0.75	148.99	197.65	0.75
5.15	2.77	553.00	0.02	75.03	11.90	6581.90	0.02	0.26	17516.97	136.59	0.49	137.08	181.79	0.75
12.96	2.77	554.00	0.02	75.17	11.90	6593.80	0.02	0.23	17517.20	118.13	0.26	118.39	156.94	0.75
4.34	2.76	555.00	0.01	75.31	11.90	6605.71	0.01	0.16	17517.37	64.80	0.10	64.90	85.94	0.76
5.71	2.76	556.00	0.01	75.44	11.90	6617.61	0.01	0.11	17517.48	58.43	-0.01	58.42	77.34	0.76

## Escenario EOH-1

Caudal medio mensual m <sup>3</sup> /s	Caudal medio mensual ordenado de mayor a menor m <sup>3</sup> /s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (MWh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
5.34	12.96	1.00	10.16	0.47	41.52	41.52	9.97			413.79	19462.74	19876.54	87310.57	0.23
10.08	12.02	2.00	9.22	0.94	41.52	83.03	9.05	394.69	394.69	751.18	19068.05	19819.23	79249.78	0.25
7.08	11.61	3.00	8.81	1.42	41.52	124.55	8.64	367.20	761.89	1076.44	18700.85	19777.28	75709.26	0.26
8.52	11.38	4.00	8.58	1.89	41.52	166.07	8.42	354.13	1116.02	1397.78	18346.72	19744.50	73732.74	0.27
6.43	10.59	5.00	7.79	2.36	41.52	207.58	7.64	333.36	1449.38	1586.35	18013.36	19599.71	66943.83	0.29
4.35	10.23	6.00	7.43	2.83	41.52	249.10	7.29	309.94	1759.32	1815.64	17703.43	19519.07	63850.15	0.31
3.99	10.08	7.00	7.28	3.30	41.52	290.62	7.14	299.55	2058.87	2075.49	17403.87	19479.36	62561.12	0.31
3.13	10.01	8.00	7.21	3.77	41.52	332.13	7.07	295.07	2353.94	2349.18	17108.80	19457.98	61959.57	0.31
3.32	9.75	9.00	6.95	4.25	41.52	373.65	6.82	288.31	2642.25	2546.79	16820.49	19367.28	59708.05	0.32
4.62	9.70	10.00	6.90	4.72	41.52	415.17	6.77	281.94	2924.19	2808.99	16538.55	19347.55	59269.78	0.33
5.88	9.40	11.00	6.60	5.19	41.52	456.68	6.47	274.83	3199.02	2956.39	16263.72	19220.11	56708.90	0.34
3.84	9.18	12.00	6.38	5.66	41.52	498.20	6.26	264.30	3463.33	3118.12	15999.42	19117.54	54826.91	0.35
3.93	8.93	13.00	6.13	6.13	41.52	539.72	6.02	254.79	3718.12	3246.66	15744.62	18991.28	52695.71	0.36
6.51	8.87	14.00	6.07	6.60	41.52	581.23	5.95	248.42	3966.54	3459.34	15496.21	18955.54	52137.13	0.36
2.59	8.61	15.00	5.81	7.08	41.52	622.75	5.69	241.76	4208.30	3546.37	15254.45	18800.82	49885.62	0.38
3.63	8.52	16.00	5.72	7.55	41.52	664.27	5.61	234.67	4442.97	3726.75	15019.77	18746.53	49146.57	0.38

2.42	8.50	17.00	5.70	8.02	41.52	705.78	5.59	232.49	4675.47	3945.14	14787.28	18732.41	48966.10	0.38
4.05	8.39	18.00	5.59	8.49	41.52	747.30	5.48	229.89	4905.35	4098.76	14557.39	18656.15	48046.59	0.39
5.40	8.27	19.00	5.47	8.96	41.52	788.82	5.37	225.33	5130.69	4236.13	14332.06	18568.19	47043.37	0.39
4.59	8.22	20.00	5.42	9.43	41.52	830.33	5.32	221.81	5352.50	4413.41	14110.25	18523.65	46561.46	0.40
4.15	8.14	21.00	5.34	9.91	41.52	871.85	5.24	219.14	5571.64	4569.78	13891.11	18460.88	45915.39	0.40
6.77	8.02	22.00	5.22	10.38	41.52	913.36	5.12	215.06	5786.70	4675.39	13676.04	18351.43	44841.20	0.41
4.31	8.00	23.00	5.20	10.85	41.52	954.88	5.11	212.24	5998.94	4875.29	13463.80	18339.09	44725.47	0.41
3.89	7.78	24.00	4.98	11.32	41.52	996.40	4.88	207.32	6206.26	4863.87	13256.48	18120.36	42761.55	0.42
3.84	7.71	25.00	4.91	11.79	41.52	1037.91	4.82	201.32	6407.58	4999.33	13055.17	18054.50	42194.38	0.43
5.43	7.50	26.00	4.70	12.26	41.52	1079.43	4.61	195.68	6603.25	4975.87	12859.49	17835.37	40381.14	0.44
4.32	7.44	27.00	4.64	12.74	41.52	1120.95	4.55	190.12	6793.37	5099.08	12669.37	17768.45	39848.34	0.45
6.08	7.36	28.00	4.56	13.21	41.52	1162.46	4.47	187.19	6980.56	5194.49	12482.19	17676.68	39144.19	0.45
3.24	7.30	29.00	4.50	13.68	41.52	1203.98	4.42	184.44	7164.99	5317.34	12297.75	17615.09	38688.21	0.46
2.75	7.21	30.00	4.41	14.15	41.52	1245.50	4.33	181.51	7346.51	5390.21	12116.24	17506.44	37911.11	0.46
7.00	7.19	31.00	4.39	14.62	41.52	1287.01	4.31	179.25	7525.76	5543.91	11936.98	17480.89	37734.32	0.46
7.05	7.08	32.00	4.28	15.09	41.52	1328.53	4.19	176.49	7702.26	5572.86	11760.49	17333.35	36746.06	0.47
5.78	7.05	33.00	4.25	15.57	41.52	1370.05	4.17	173.58	7875.84	5709.38	11586.90	17296.29	36505.44	0.47
4.30	7.01	34.00	4.21	16.04	41.52	1411.56	4.13	172.30	8048.14	5833.93	11414.61	17248.54	36204.70	0.48
5.59	7.00	35.00	4.20	16.51	41.52	1453.08	4.12	171.34	8219.48	5988.41	11243.26	17231.67	36101.55	0.48
5.79	7.00	36.00	4.20	16.98	41.52	1494.60	4.12	171.10	8390.58	6159.51	11072.17	17231.67	36101.55	0.48
4.89	6.90	37.00	4.10	17.45	41.52	1536.11	4.02	168.98	8559.56	6173.88	10903.19	17077.07	35207.82	0.49
7.44	6.84	38.00	4.04	17.92	41.52	1577.63	3.96	165.62	8725.18	6246.34	10737.57	16983.90	34683.61	0.49
6.84	6.77	39.00	3.97	18.40	41.52	1619.15	3.90	163.05	8888.23	6307.47	10574.51	16881.98	34125.03	0.49
5.45	6.72	40.00	3.92	18.87	41.52	1660.66	3.84	160.65	9048.88	6382.90	10413.86	16796.76	33669.81	0.50
6.29	6.71	41.00	3.91	19.34	41.52	1702.18	3.83	159.31	9208.19	6520.72	10254.56	16775.28	33557.85	0.50
4.62	6.69	42.00	3.89	19.81	41.52	1743.70	3.82	158.74	9366.92	6654.10	10095.82	16749.92	33428.95	0.50
11.38	6.67	43.00	3.87	20.28	41.52	1785.21	3.80	158.12	9525.04	6785.59	9937.70	16723.30	33296.75	0.50
3.80	6.58	44.00	3.78	20.75	41.52	1826.73	3.71	155.90	9680.94	6775.64	9781.80	16557.44	32492.25	0.51
4.71	6.57	45.00	3.77	21.23	41.52	1868.25	3.70	153.77	9834.71	6909.47	9628.04	16537.50	32397.72	0.51
3.41	6.54	46.00	3.74	21.70	41.52	1909.76	3.67	152.93	9987.64	7006.81	9475.10	16481.91	32139.91	0.51
2.40	6.51	47.00	3.71	22.17	41.52	1951.28	3.64	151.66	10139.30	7097.24	9323.44	16420.68	31862.08	0.52
4.49	6.51	48.00	3.71	22.64	41.52	1992.80	3.63	150.95	10290.26	7243.03	9172.49	16415.52	31839.14	0.52
4.23	6.50	49.00	3.70	23.11	41.52	2034.31	3.63	150.88	10441.13	7391.93	9021.61	16413.54	31830.55	0.52
3.08	6.49	50.00	3.69	23.58	41.52	2075.83	3.62	150.52	10591.65	7508.73	8871.10	16379.83	31686.85	0.52
5.44	6.43	51.00	3.63	24.06	41.52	2117.35	3.56	149.01	10740.65	7539.93	8722.09	16262.02	31194.62	0.52
7.19	6.39	52.00	3.59	24.53	41.52	2158.86	3.52	147.09	10887.74	7609.41	8575.00	16184.41	30876.66	0.52
4.40	6.36	53.00	3.56	25.00	41.52	2200.38	3.49	145.67	11033.42	7685.68	8429.33	16115.01	30597.72	0.53
7.30	6.29	54.00	3.49	25.47	41.52	2241.90	3.43	143.66	11177.07	7684.35	8285.67	15970.02	30025.90	0.53
4.45	6.27	55.00	3.47	25.94	41.52	2283.41	3.40	141.71	11318.79	7761.70	8143.96	15905.65	29776.69	0.53
5.32	6.08	56.00	3.28	26.42	41.52	2324.93	3.21	137.29	11456.08	7474.03	8006.66	15480.70	28161.10	0.55
7.00	6.08	57.00	3.28	26.89	41.52	2366.45	3.21	133.42	11589.50	7602.86	7873.24	15476.10	28143.91	0.55

9.70	5.95	58.00	3.15	27.36	41.52	2407.96	3.09	130.84	11720.34	7440.96	7742.40	15183.37	27069.71	0.56
3.60	5.94	59.00	3.14	27.83	41.52	2449.48	3.08	128.11	11848.45	7547.63	7614.29	15161.92	26992.37	0.56
4.22	5.88	60.00	3.08	28.30	41.52	2491.00	3.02	126.62	11975.07	7519.16	7487.67	15006.83	26442.38	0.57
4.25	5.81	61.00	3.01	28.77	41.52	2532.51	2.95	123.93	12099.01	7475.21	7363.74	14838.95	25856.88	0.57
5.19	5.79	62.00	2.99	29.25	41.52	2574.03	2.93	122.16	12221.17	7550.11	7241.58	14791.69	25694.74	0.58
3.04	5.79	63.00	2.99	29.72	41.52	2615.55	2.93	121.78	12342.94	7671.89	7119.80	14791.69	25694.74	0.58
4.89	5.78	64.00	2.98	30.19	41.52	2657.06	2.92	121.55	12464.49	7764.99	6998.25	14763.24	25600.22	0.58
3.80	5.78	65.00	2.98	30.66	41.52	2698.58	2.92	121.33	12585.82	7886.32	6876.92	14763.24	25600.22	0.58
5.65	5.77	66.00	2.97	31.13	41.52	2740.09	2.91	121.10	12706.93	7978.08	6755.82	14733.90	25505.69	0.58
5.77	5.72	67.00	2.92	31.60	41.52	2781.61	2.86	119.90	12826.83	7967.98	6635.91	14603.90	25093.20	0.58
6.39	5.71	68.00	2.91	32.08	41.52	2823.13	2.86	118.80	12945.63	8070.29	6517.11	14587.40	25041.63	0.58
8.02	5.65	69.00	2.85	32.55	41.52	2864.64	2.79	117.36	13062.99	8006.31	6399.75	14406.06	24483.05	0.59
2.58	5.60	70.00	2.80	33.02	41.52	2906.16	2.75	115.04	13178.02	7982.64	6284.72	14267.36	24061.97	0.59
2.63	5.59	71.00	2.79	33.49	41.52	2947.68	2.74	113.81	13291.84	8064.87	6170.91	14235.78	23967.44	0.59
2.63	5.50	72.00	2.70	33.96	41.52	2989.19	2.65	111.74	13403.58	7911.61	6059.17	13970.78	23185.42	0.60
1.21	5.45	73.00	2.65	34.43	41.52	3030.71	2.60	108.92	13512.50	7881.05	5950.25	13831.30	22779.49	0.61
1.37	5.45	74.00	2.65	34.91	41.52	3072.23	2.60	107.92	13620.42	7983.70	5842.32	13826.03	22764.34	0.61
2.21	5.44	75.00	2.64	35.38	41.52	3113.74	2.59	107.70	13728.13	8064.10	5734.62	13798.72	22687.00	0.61
6.90	5.43	76.00	2.63	35.85	41.52	3155.26	2.58	107.36	13835.48	8146.86	5627.26	13774.12	22618.25	0.61
8.61	5.43	77.00	2.63	36.32	41.52	3196.78	2.58	107.15	13942.64	8247.78	5520.11	13767.89	22601.06	0.61
10.23	5.40	78.00	2.60	36.79	41.52	3238.29	2.55	106.48	14049.12	8256.42	5413.62	13670.04	22334.66	0.61
2.16	5.36	79.00	2.56	37.26	41.52	3279.81	2.52	105.14	14154.26	8249.65	5308.48	13558.14	22033.89	0.62
3.13	5.34	80.00	2.54	37.74	41.52	3321.33	2.49	103.86	14258.12	8262.85	5204.63	13467.48	21793.27	0.62
5.79	5.32	81.00	2.52	38.21	41.52	3362.84	2.47	102.98	14361.10	8316.65	5101.65	13418.30	21664.36	0.62
11.61	5.32	82.00	2.52	38.68	41.52	3404.36	2.47	102.55	14463.65	8399.29	4999.10	13398.38	21612.80	0.62
2.90	5.20	83.00	2.40	39.15	41.52	3445.88	2.36	100.17	14563.82	8126.45	4898.93	13025.37	20658.80	0.63
3.22	5.19	84.00	2.39	39.62	41.52	3487.39	2.34	97.60	14661.42	8173.09	4801.32	12974.41	20530.01	0.63
3.67	5.18	85.00	2.38	40.09	41.52	3528.91	2.33	97.12	14758.54	8239.23	4704.21	12943.43	20452.67	0.63
5.95	5.17	86.00	2.37	40.57	41.52	3570.43	2.32	96.73	14855.27	8301.13	4607.48	12908.61	20366.74	0.63
4.54	5.15	87.00	2.35	41.04	41.52	3611.94	2.30	96.02	14951.28	8309.08	4511.46	12820.54	20151.90	0.64
2.73	5.10	88.00	2.30	41.51	41.52	3653.46	2.25	94.56	15045.84	8238.12	4416.90	12655.02	19752.76	0.64
3.02	5.07	89.00	2.27	41.98	41.52	3694.98	2.23	93.03	15138.88	8228.23	4323.87	12552.10	19507.38	0.64
3.81	4.99	90.00	2.19	42.45	41.52	3736.49	2.15	90.86	15229.74	8034.77	4233.00	12267.78	18837.08	0.65
2.20	4.91	91.00	2.11	42.92	41.52	3778.01	2.07	87.63	15317.37	7823.85	4145.38	11969.22	18141.01	0.66
5.17	4.91	92.00	2.11	43.40	41.52	3819.53	2.07	85.96	15403.32	7906.08	4059.42	11965.50	18132.41	0.66
2.63	4.89	93.00	2.09	43.87	41.52	3861.04	2.05	85.57	15488.89	7923.83	3973.85	11897.69	17977.73	0.66
2.12	4.89	94.00	2.09	44.34	41.52	3902.56	2.05	85.18	15574.07	8005.21	3888.67	11893.88	17969.13	0.66
3.56	4.86	95.00	2.06	44.81	41.52	3944.08	2.02	84.55	15658.62	7974.29	3804.12	11778.41	17711.33	0.67
3.24	4.86	96.00	2.06	45.28	41.52	3985.59	2.02	83.92	15742.54	8054.32	3720.20	11774.53	17702.73	0.67
2.36	4.83	97.00	2.03	45.75	41.52	4027.11	1.99	83.29	15825.83	8019.71	3636.91	11656.62	17444.93	0.67
2.70	4.78	98.00	1.98	46.23	41.52	4068.63	1.95	81.72	15907.55	7915.40	3555.19	11470.59	17042.35	0.67
4.46	4.78	99.00	1.98	46.70	41.52	4110.14	1.95	80.76	15988.32	7994.71	3474.43	11469.14	17039.24	0.67

9.40	4.75	100.00	1.95	47.17	41.52	4151.66	1.91	80.11	16068.42	7945.99	3394.32	11340.31	16766.04	0.68
8.14	4.75	101.00	1.95	47.64	41.52	4193.18	1.91	79.40	16147.82	8012.74	3314.92	11327.67	16739.49	0.68
3.65	4.71	102.00	1.91	48.11	41.52	4234.69	1.87	78.56	16226.38	7934.58	3236.36	11170.95	16413.70	0.68
2.08	4.69	103.00	1.89	48.58	41.52	4276.21	1.85	77.34	16303.72	7920.09	3159.02	11079.10	16224.64	0.68
5.32	4.67	104.00	1.87	49.06	41.52	4317.73	1.83	76.53	16380.25	7920.74	3082.49	11003.23	16069.96	0.68
6.27	4.62	105.00	1.82	49.53	41.52	4359.24	1.79	75.20	16455.46	7795.91	3007.29	10803.19	15666.06	0.69
4.46	4.62	106.00	1.82	50.00	41.52	4400.76	1.79	74.25	16529.70	7870.15	2933.04	10803.19	15666.06	0.69
6.54	4.59	107.00	1.79	50.47	41.52	4442.27	1.75	73.47	16603.18	7778.80	2859.57	10638.37	15339.50	0.69
7.71	4.54	108.00	1.74	50.94	41.52	4483.79	1.71	71.78	16674.96	7653.56	2787.79	10441.35	14952.79	0.70
4.67	4.53	109.00	1.73	51.42	41.52	4525.31	1.70	70.66	16745.62	7680.04	2717.12	10397.16	14866.86	0.70
9.18	4.49	110.00	1.69	51.89	41.52	4566.82	1.66	69.66	16815.29	7575.77	2647.46	10223.23	14531.71	0.70
5.07	4.47	111.00	1.67	52.36	41.52	4608.34	1.64	68.47	16883.76	7555.76	2578.99	10134.75	14362.75	0.71
4.17	4.46	112.00	1.66	52.83	41.52	4649.86	1.63	67.90	16951.66	7585.79	2511.09	10096.88	14291.09	0.71
5.43	4.46	113.00	1.66	53.30	41.52	4691.37	1.62	67.59	17019.24	7621.31	2443.50	10064.81	14230.94	0.71
4.13	4.45	114.00	1.65	53.77	41.52	4732.89	1.62	67.32	17086.57	7660.89	2376.18	10037.07	14179.37	0.71
3.98	4.40	115.00	1.60	54.25	41.52	4774.41	1.57	66.26	17152.83	7512.64	2309.91	9822.56	13784.07	0.71
4.13	4.36	116.00	1.56	54.72	41.52	4815.92	1.53	64.43	17217.26	7370.10	2245.48	9615.58	13405.95	0.72
5.18	4.35	117.00	1.55	55.19	41.52	4857.44	1.52	63.29	17280.55	7376.45	2182.19	9558.64	13302.83	0.72
6.69	4.34	118.00	1.54	55.66	41.52	4898.96	1.51	62.78	17343.34	7377.02	2119.41	9496.43	13191.11	0.72
5.60	4.32	119.00	1.52	56.13	41.52	4940.47	1.49	62.19	17405.53	7361.99	2057.22	9419.21	13053.62	0.72
4.36	4.31	120.00	1.51	56.60	41.52	4981.99	1.48	61.74	17467.27	7394.53	1995.47	9390.01	13002.06	0.72
4.18	4.30	121.00	1.50	57.08	41.52	5023.51	1.47	61.32	17528.59	7382.23	1934.16	9316.39	12873.15	0.72
3.56	4.25	122.00	1.45	57.55	41.52	5065.02	1.42	59.93	17588.52	7179.90	1874.23	9054.13	12417.69	0.73
6.57	4.23	123.00	1.43	58.02	41.52	5106.54	1.40	58.46	17646.98	7143.57	1815.76	8959.33	12254.42	0.73
4.19	4.22	124.00	1.42	58.49	41.52	5148.06	1.39	57.89	17704.88	7156.20	1757.87	8914.06	12177.07	0.73
4.86	4.22	125.00	1.42	58.96	41.52	5189.57	1.39	57.69	17762.57	7209.62	1700.17	8909.80	12169.84	0.73
5.72	4.21	126.00	1.41	59.43	41.52	5231.09	1.38	57.55	17820.12	7235.70	1642.62	8878.32	12116.92	0.73
4.83	4.19	127.00	1.39	59.91	41.52	5272.61	1.36	57.02	17877.14	7189.67	1585.60	8775.28	11945.05	0.73
4.21	4.18	128.00	1.38	60.38	41.52	5314.12	1.35	56.41	17933.55	7194.15	1529.20	8723.35	11859.11	0.74
2.84	4.17	129.00	1.37	60.85	41.52	5355.64	1.34	56.00	17989.55	7197.82	1473.19	8671.01	11773.18	0.74
3.23	4.16	130.00	1.36	61.32	41.52	5397.16	1.34	55.63	18045.18	7211.26	1417.56	8628.82	11704.43	0.74
1.83	4.15	131.00	1.35	61.79	41.52	5438.67	1.33	55.29	18100.47	7218.71	1362.27	8580.99	11627.09	0.74
4.11	4.13	132.00	1.33	62.26	41.52	5480.19	1.30	54.64	18155.11	7150.17	1307.64	8457.80	11429.43	0.74
4.53	4.13	133.00	1.33	62.74	41.52	5521.71	1.30	54.17	18209.28	7204.34	1253.47	8457.80	11429.43	0.74
5.78	4.11	134.00	1.31	63.21	41.52	5563.22	1.28	53.70	18262.98	7132.98	1199.77	8332.75	11231.78	0.74
4.16	4.05	135.00	1.25	63.68	41.52	5604.74	1.23	52.15	18315.13	6894.80	1147.62	8042.42	10776.32	0.75
3.19	3.99	136.00	1.19	64.15	41.52	5646.26	1.17	49.85	18364.98	6613.54	1097.77	7711.30	10260.71	0.75
5.15	3.98	137.00	1.18	64.62	41.52	5687.77	1.16	48.34	18413.32	6584.05	1049.42	7633.47	10140.40	0.75
12.96	3.93	138.00	1.13	65.09	41.52	5729.29	1.11	47.12	18460.44	6373.57	1002.30	7375.87	9745.10	0.76
4.34	3.89	139.00	1.09	65.57	41.52	5770.81	1.07	45.25	18505.69	6159.34	957.05	7116.39	9349.79	0.76
5.71	3.88	140.00	1.08	66.04	41.52	5812.32	1.06	44.10	18549.79	6142.95	912.96	7055.91	9258.31	0.76
2.46	3.84	141.00	1.04	66.51	41.52	5853.84	1.02	43.10	18592.88	5966.58	869.86	6836.44	8928.71	0.77



10.01	3.84	142.00	1.04	66.98	41.52	5895.36	1.02	42.32	18635.20	6008.89	827.54	6836.44	8928.71	0.77
6.58	3.81	143.00	1.01	67.45	41.52	5936.87	0.99	41.64	18676.84	5859.02	785.90	6644.91	8645.12	0.77
6.50	3.80	144.00	1.00	67.92	41.52	5978.39	0.98	40.85	18717.69	5864.80	745.05	6609.85	8593.56	0.77
2.68	3.80	145.00	1.00	68.40	41.52	6019.91	0.98	40.67	18758.36	5887.81	704.38	6592.19	8567.78	0.77
4.91	3.73	146.00	0.93	68.87	41.52	6061.42	0.91	39.26	18797.62	5535.96	665.12	6201.08	8000.60	0.78
5.94	3.67	147.00	0.87	69.34	41.52	6102.94	0.85	36.68	18834.30	5208.67	628.45	5837.12	7476.40	0.78
4.69	3.65	148.00	0.85	69.81	41.52	6144.45	0.84	35.11	18869.41	5147.66	593.34	5741.00	7338.90	0.78
6.08	3.63	149.00	0.83	70.28	41.52	6185.97	0.81	34.27	18903.68	5031.02	559.06	5590.09	7124.47	0.78
3.43	3.63	150.00	0.83	70.75	41.52	6227.49	0.81	33.76	18937.44	5064.50	525.30	5589.80	7124.06	0.78
8.39	3.62	151.00	0.82	71.23	41.52	6269.00	0.81	33.60	18971.04	5049.08	491.70	5540.78	7055.34	0.79
2.67	3.60	152.00	0.80	71.70	41.52	6310.52	0.78	33.01	19004.05	4952.50	458.69	5411.19	6874.85	0.79
3.59	3.59	153.00	0.79	72.17	41.52	6352.04	0.78	32.40	19036.45	4929.00	426.29	5355.29	6797.51	0.79
4.99	3.56	154.00	0.76	72.64	41.52	6393.55	0.75	31.58	19068.04	4766.78	394.71	5161.49	6531.11	0.79
5.50	3.56	155.00	0.76	73.11	41.52	6435.07	0.75	30.95	19098.99	4797.73	363.75	5161.49	6531.11	0.79
5.36	3.45	156.00	0.65	73.58	41.52	6476.59	0.64	28.77	19127.76	4147.99	334.98	4482.97	5610.42	0.80
2.96	3.43	157.00	0.63	74.06	41.52	6518.10	0.62	26.12	19153.89	4028.38	308.86	4337.24	5413.94	0.80
1.77	3.41	158.00	0.61	74.53	41.52	6559.62	0.60	25.33	19179.22	3951.08	283.53	4234.61	5276.45	0.80
2.76	3.38	159.00	0.58	75.00	41.52	6601.14	0.57	24.33	19203.55	3759.83	259.20	4019.03	4989.46	0.81
8.87	3.32	160.00	0.52	75.47	41.52	6642.65	0.51	22.45	19226.00	3401.58	236.75	3638.33	4485.84	0.81
4.91	3.24	161.00	0.44	75.94	41.52	6684.17	0.43	19.59	19245.59	2885.16	217.16	3102.31	3781.17	0.82
1.92	3.24	162.00	0.44	76.42	41.52	6725.69	0.43	17.84	19263.43	2876.68	199.32	3076.00	3746.79	0.82
4.75	3.23	163.00	0.43	76.89	41.52	6767.20	0.42	17.64	19281.06	2854.61	181.68	3036.29	3695.23	0.82
7.50	3.22	164.00	0.42	77.36	41.52	6808.72	0.41	17.31	19298.37	2805.33	164.37	2969.70	3609.30	0.82
8.93	3.19	165.00	0.39	77.83	41.52	6850.24	0.38	16.52	19314.89	2627.55	147.86	2775.41	3360.08	0.83
7.78	3.17	166.00	0.37	78.30	41.52	6891.75	0.36	15.43	19330.31	2478.52	132.43	2610.95	3150.41	0.83
9.75	3.17	167.00	0.37	78.77	41.52	6933.27	0.36	14.93	19345.24	2491.87	117.50	2609.38	3148.41	0.83
2.66	3.15	168.00	0.35	79.25	41.52	6974.79	0.34	14.50	19359.74	2363.99	103.01	2467.00	2969.06	0.83
3.11	3.13	169.00	0.33	79.72	41.52	7016.30	0.32	13.78	19373.51	2278.27	89.23	2367.50	2844.47	0.83
6.71	3.13	170.00	0.33	80.19	41.52	7057.82	0.32	13.46	19386.97	2284.83	75.77	2360.60	2835.87	0.83
8.50	3.11	171.00	0.31	80.66	41.52	7099.34	0.31	13.07	19400.05	2172.91	62.70	2235.60	2681.19	0.83
10.59	3.10	172.00	0.30	81.13	41.52	7140.85	0.29	12.47	19412.52	2104.99	50.22	2155.21	2582.28	0.83
4.86	3.08	173.00	0.28	81.60	41.52	7182.37	0.27	11.82	19424.34	1972.85	38.40	2011.26	2406.20	0.84
3.73	3.04	174.00	0.24	82.08	41.52	7223.89	0.23	10.55	19434.89	1686.62	27.85	1714.47	2045.27	0.84
2.63	3.02	175.00	0.22	82.55	41.52	7265.40	0.22	9.39	19444.28	1589.40	18.47	1607.87	1916.36	0.84
12.02	2.96	176.00	0.16	83.02	41.52	7306.92	0.16	7.82	19452.10	1154.06	10.65	1164.71	1383.56	0.84
6.49	2.90	177.00	0.10	83.49	41.52	7348.44	0.10	5.31	19457.41	720.88	5.33	726.21	859.36	0.85
4.78	2.86	178.00	0.06	83.96	41.52	7389.95	0.06	3.28	19460.69	441.61	2.06	443.66	523.48	0.85
3.10	2.84	179.00	0.04	84.43	41.52	7431.47	0.04	2.06	19462.74	291.61	0.00	291.61	343.74	0.85

Escenario EOH-2

Caudal medio mensual m <sup>3</sup> /s	Caudal medio mensual ordenado de mayor a menor m <sup>3</sup> /s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (Mwh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
5.34	12.96	1.00	9.56	0.47	41.52	41.52	9.38			389.36	15342.66	15732.02	82154.43	0.19
10.08	12.02	2.00	8.62	0.94	41.52	83.03	8.46	370.26	370.26	702.31	14972.41	15674.72	74093.64	0.21
7.08	11.61	3.00	8.21	1.42	41.52	124.55	8.05	342.76	713.02	1003.13	14629.64	15632.77	70553.13	0.22
8.52	11.38	4.00	7.98	1.89	41.52	166.07	7.83	329.69	1042.71	1300.03	14299.95	15599.98	68576.61	0.23
6.43	10.59	5.00	7.19	2.36	41.52	207.58	7.05	308.92	1351.63	1464.16	13991.03	15455.19	61787.70	0.25
4.35	10.23	6.00	6.83	2.83	41.52	249.10	6.70	285.50	1637.13	1669.02	13705.53	15374.55	58694.01	0.26
3.99	10.08	7.00	6.68	3.30	41.52	290.62	6.55	275.12	1912.25	1904.43	13430.41	15334.84	57404.98	0.27
3.13	10.01	8.00	6.61	3.77	41.52	332.13	6.48	270.64	2182.89	2153.68	13159.78	15313.46	56803.43	0.27
3.32	9.75	9.00	6.35	4.25	41.52	373.65	6.23	263.88	2446.76	2326.86	12895.90	15222.76	54551.92	0.28
4.62	9.70	10.00	6.30	4.72	41.52	415.17	6.18	257.50	2704.26	2564.63	12638.40	15203.03	54113.65	0.28
5.88	9.40	11.00	6.00	5.19	41.52	456.68	5.89	250.39	2954.66	2687.58	12388.00	15075.59	51552.77	0.29
3.84	9.18	12.00	5.78	5.66	41.52	498.20	5.67	239.87	3194.52	2824.88	12148.14	14973.02	49670.78	0.30
3.93	8.93	13.00	5.53	6.13	41.52	539.72	5.43	230.36	3424.88	2928.98	11917.78	14846.76	47539.57	0.31
6.51	8.87	14.00	5.47	6.60	41.52	581.23	5.36	223.98	3648.86	3117.22	11693.80	14811.02	46980.99	0.32
2.59	8.61	15.00	5.21	7.08	41.52	622.75	5.11	217.32	3866.19	3179.82	11476.48	14656.30	44729.48	0.33
3.63	8.52	16.00	5.12	7.55	41.52	664.27	5.02	210.24	4076.42	3335.77	11266.24	14602.01	43990.43	0.33
2.42	8.50	17.00	5.10	8.02	41.52	705.78	5.00	208.06	4284.48	3529.71	11058.18	14587.90	43809.97	0.33
4.05	8.39	18.00	4.99	8.49	41.52	747.30	4.90	205.45	4489.93	3658.90	10852.73	14511.63	42890.46	0.34
5.40	8.27	19.00	4.87	8.96	41.52	788.82	4.78	200.89	4690.83	3771.84	10651.84	14423.67	41887.23	0.34
4.59	8.22	20.00	4.82	9.43	41.52	830.33	4.73	197.38	4888.20	3924.68	10454.46	14379.14	41405.32	0.35
4.15	8.14	21.00	4.74	9.91	41.52	871.85	4.65	194.70	5082.90	4056.61	10259.76	14316.37	40759.26	0.35
6.77	8.02	22.00	4.62	10.38	41.52	913.36	4.53	190.63	5273.53	4137.78	10069.13	14206.91	39685.06	0.36
4.31	8.00	23.00	4.60	10.85	41.52	954.88	4.52	187.81	5461.34	4313.24	9881.32	14194.57	39569.33	0.36
3.89	7.78	24.00	4.38	11.32	41.52	996.40	4.29	182.88	5644.22	4277.39	9698.45	13975.84	37605.42	0.37
3.84	7.71	25.00	4.31	11.79	41.52	1037.91	4.23	176.88	5821.10	4388.42	9521.57	13909.98	37038.24	0.38
5.43	7.50	26.00	4.10	12.26	41.52	1079.43	4.02	171.24	5992.34	4340.52	9350.33	13690.85	35225.00	0.39
4.32	7.44	27.00	4.04	12.74	41.52	1120.95	3.96	165.68	6158.02	4439.29	9184.64	13623.93	34692.20	0.39
6.08	7.36	28.00	3.96	13.21	41.52	1162.46	3.88	162.75	6320.77	4510.26	9021.90	13532.16	33988.05	0.40
3.24	7.30	29.00	3.90	13.68	41.52	1203.98	3.83	160.00	6480.77	4608.67	8861.89	13470.57	33532.07	0.40
2.75	7.21	30.00	3.81	14.15	41.52	1245.50	3.74	157.08	6637.85	4657.11	8704.82	13361.92	32754.98	0.41
7.00	7.19	31.00	3.79	14.62	41.52	1287.01	3.72	154.82	6792.66	4786.37	8550.00	13336.37	32578.19	0.41
7.05	7.08	32.00	3.68	15.09	41.52	1328.53	3.61	152.06	6944.72	4790.89	8397.94	13188.83	31589.93	0.42
5.78	7.05	33.00	3.65	15.57	41.52	1370.05	3.58	149.15	7093.87	4902.97	8248.80	13151.77	31349.31	0.42
4.30	7.01	34.00	3.61	16.04	41.52	1411.56	3.54	147.86	7241.73	5003.09	8100.93	13104.02	31048.57	0.42
5.59	7.00	35.00	3.60	16.51	41.52	1453.08	3.53	146.91	7388.63	5133.12	7954.03	13087.15	30945.41	0.42
5.79	7.00	36.00	3.60	16.98	41.52	1494.60	3.53	146.66	7535.29	5279.79	7807.37	13087.15	30945.41	0.42

4.89	6.90	37.00	3.50	17.45	41.52	1536.11	3.43	144.54	7679.84	5269.73	7662.83	12932.55	30051.68	0.43
7.44	6.84	38.00	3.44	17.92	41.52	1577.63	3.37	141.18	7821.02	5317.74	7521.64	12839.39	29527.47	0.43
6.84	6.77	39.00	3.37	18.40	41.52	1619.15	3.31	138.62	7959.64	5354.44	7383.03	12737.47	28968.89	0.44
5.45	6.72	40.00	3.32	18.87	41.52	1660.66	3.25	136.21	8095.85	5405.44	7246.81	12652.25	28513.67	0.44
6.29	6.71	41.00	3.31	19.34	41.52	1702.18	3.24	134.87	8230.72	5518.82	7111.94	12630.76	28401.72	0.44
4.62	6.69	42.00	3.29	19.81	41.52	1743.70	3.23	134.30	8365.02	5627.76	6977.64	12605.40	28272.81	0.45
11.38	6.67	43.00	3.27	20.28	41.52	1785.21	3.21	133.68	8498.70	5734.82	6843.96	12578.78	28140.62	0.45
3.80	6.58	44.00	3.18	20.75	41.52	1826.73	3.12	131.46	8630.16	5700.42	6712.50	12412.92	27336.11	0.45
4.71	6.57	45.00	3.17	21.23	41.52	1868.25	3.11	129.33	8759.50	5809.82	6583.17	12392.98	27241.59	0.45
3.41	6.54	46.00	3.14	21.70	41.52	1909.76	3.08	128.50	8887.99	5882.72	6454.67	12337.39	26983.78	0.46
2.40	6.51	47.00	3.11	22.17	41.52	1951.28	3.05	127.23	9015.22	5948.72	6327.44	12276.16	26705.94	0.46
4.49	6.51	48.00	3.11	22.64	41.52	1992.80	3.05	126.51	9141.73	6070.07	6200.93	12271.00	26683.00	0.46
4.23	6.50	49.00	3.10	23.11	41.52	2034.31	3.05	126.44	9268.17	6194.53	6074.49	12269.02	26674.41	0.46
3.08	6.49	50.00	3.09	23.58	41.52	2075.83	3.03	126.08	9394.25	6286.90	5948.41	12235.31	26530.71	0.46
5.44	6.43	51.00	3.03	24.06	41.52	2117.35	2.97	124.57	9518.82	6293.66	5823.84	12117.50	26038.49	0.47
7.19	6.39	52.00	2.99	24.53	41.52	2158.86	2.94	122.65	9641.47	6338.71	5701.19	12039.90	25720.53	0.47
4.40	6.36	53.00	2.96	25.00	41.52	2200.38	2.90	121.24	9762.71	6390.54	5579.95	11970.49	25441.58	0.47
7.30	6.29	54.00	2.89	25.47	41.52	2241.90	2.84	119.22	9881.93	6364.77	5460.73	11825.50	24869.76	0.48
4.45	6.27	55.00	2.87	25.94	41.52	2283.41	2.81	117.28	9999.21	6417.68	5343.45	11761.13	24620.55	0.48
5.32	6.08	56.00	2.68	26.42	41.52	2324.93	2.63	112.86	10112.06	6105.58	5230.60	11336.18	23004.96	0.49
7.00	6.08	57.00	2.68	26.89	41.52	2366.45	2.62	108.99	10221.05	6209.97	5121.61	11331.58	22987.77	0.49
9.70	5.95	58.00	2.55	27.36	41.52	2407.96	2.50	106.40	10327.45	6023.64	5015.21	11038.85	21913.58	0.50
3.60	5.94	59.00	2.54	27.83	41.52	2449.48	2.49	103.67	10431.13	6105.87	4911.54	11017.40	21836.24	0.50
4.22	5.88	60.00	2.48	28.30	41.52	2491.00	2.43	102.19	10533.31	6052.96	4809.35	10862.31	21286.25	0.51
4.25	5.81	61.00	2.41	28.77	41.52	2532.51	2.36	99.50	10632.81	5984.57	4709.86	10694.43	20700.74	0.52
5.19	5.79	62.00	2.39	29.25	41.52	2574.03	2.34	97.72	10730.53	6035.04	4612.13	10647.17	20538.61	0.52
3.04	5.79	63.00	2.39	29.72	41.52	2615.55	2.34	97.34	10827.87	6132.38	4514.79	10647.17	20538.61	0.52
4.89	5.78	64.00	2.38	30.19	41.52	2657.06	2.33	97.12	10924.98	6201.05	4417.68	10618.73	20444.08	0.52
3.80	5.78	65.00	2.38	30.66	41.52	2698.58	2.33	96.89	11021.88	6297.94	4320.79	10618.73	20444.08	0.52
5.65	5.77	66.00	2.37	31.13	41.52	2740.09	2.32	96.67	11118.54	6365.26	4224.12	10589.38	20349.55	0.52
5.77	5.72	67.00	2.32	31.60	41.52	2781.61	2.28	95.47	11214.01	6330.72	4128.65	10459.38	19937.06	0.52
6.39	5.71	68.00	2.31	32.08	41.52	2823.13	2.27	94.37	11308.38	6408.60	4034.29	10442.88	19885.50	0.53
8.02	5.65	69.00	2.25	32.55	41.52	2864.64	2.21	92.92	11401.30	6320.18	3941.37	10261.54	19326.92	0.53
2.58	5.60	70.00	2.20	33.02	41.52	2906.16	2.16	90.60	11491.90	6272.08	3850.77	10122.84	18905.83	0.54
2.63	5.59	71.00	2.19	33.49	41.52	2947.68	2.15	89.38	11581.27	6329.87	3761.39	10091.26	18811.30	0.54
2.63	5.50	72.00	2.10	33.96	41.52	2989.19	2.06	87.30	11668.57	6152.17	3674.09	9826.26	18029.29	0.55
1.21	5.45	73.00	2.05	34.43	41.52	3030.71	2.01	84.48	11753.06	6097.18	3589.61	9686.78	17623.35	0.55
1.37	5.45	74.00	2.05	34.91	41.52	3072.23	2.01	83.49	11836.54	6175.39	3506.12	9681.51	17608.20	0.55
2.21	5.44	75.00	2.04	35.38	41.52	3113.74	2.00	83.27	11919.81	6231.35	3422.85	9654.20	17530.86	0.55
6.90	5.43	76.00	2.03	35.85	41.52	3155.26	1.99	82.92	12002.73	6289.67	3339.93	9629.60	17462.11	0.55
8.61	5.43	77.00	2.03	36.32	41.52	3196.78	1.99	82.72	12085.45	6366.16	3257.21	9623.37	17444.93	0.55
10.23	5.40	78.00	2.00	36.79	41.52	3238.29	1.96	82.05	12167.50	6350.36	3175.16	9525.52	17178.53	0.55

2.16	5.36	79.00	1.96	37.26	41.52	3279.81	1.93	80.70	12248.20	6319.16	3094.46	9413.62	16877.75	0.56
3.13	5.34	80.00	1.94	37.74	41.52	3321.33	1.90	79.42	12327.62	6307.92	3015.04	9322.96	16637.13	0.56
5.79	5.32	81.00	1.92	38.21	41.52	3362.84	1.88	78.54	12406.16	6337.28	2936.50	9273.78	16508.23	0.56
11.61	5.32	82.00	1.92	38.68	41.52	3404.36	1.88	78.12	12484.28	6395.48	2858.38	9253.87	16456.67	0.56
2.90	5.20	83.00	1.80	39.15	41.52	3445.88	1.77	75.73	12560.01	6098.21	2782.65	8880.86	15502.67	0.57
3.22	5.19	84.00	1.79	39.62	41.52	3487.39	1.76	73.17	12633.18	6120.41	2709.48	8829.89	15373.88	0.57
3.67	5.18	85.00	1.78	40.09	41.52	3528.91	1.75	72.68	12705.86	6162.11	2636.80	8798.92	15296.54	0.58
5.95	5.17	86.00	1.77	40.57	41.52	3570.43	1.74	72.29	12778.15	6199.58	2564.51	8764.09	15210.60	0.58
4.54	5.15	87.00	1.75	41.04	41.52	3611.94	1.71	71.58	12849.73	6183.09	2492.93	8676.02	14995.76	0.58
2.73	5.10	88.00	1.70	41.51	41.52	3653.46	1.67	70.12	12919.85	6087.69	2422.81	8510.50	14596.62	0.58
3.02	5.07	89.00	1.67	41.98	41.52	3694.98	1.64	68.60	12988.45	6053.37	2354.21	8407.58	14351.25	0.59
3.81	4.99	90.00	1.59	42.45	41.52	3736.49	1.56	66.43	13054.88	5835.48	2287.79	8123.26	13680.95	0.59
2.20	4.91	91.00	1.51	42.92	41.52	3778.01	1.48	63.19	13118.07	5600.11	2224.60	7824.71	12984.87	0.60
5.17	4.91	92.00	1.51	43.40	41.52	3819.53	1.48	61.52	13179.58	5657.90	2163.08	7820.98	12976.28	0.60
2.63	4.89	93.00	1.49	43.87	41.52	3861.04	1.46	61.13	13240.72	5651.22	2101.94	7753.17	12821.59	0.60
2.12	4.89	94.00	1.49	44.34	41.52	3902.56	1.46	60.75	13301.46	5708.16	2041.20	7749.36	12813.00	0.60
3.56	4.86	95.00	1.46	44.81	41.52	3944.08	1.43	60.11	13361.58	5652.81	1981.09	7633.90	12555.19	0.61
3.24	4.86	96.00	1.46	45.28	41.52	3985.59	1.43	59.48	13421.06	5708.40	1921.60	7630.01	12546.60	0.61
2.36	4.83	97.00	1.43	45.75	41.52	4027.11	1.40	58.85	13479.91	5649.35	1862.75	7512.10	12288.79	0.61
2.70	4.78	98.00	1.38	46.23	41.52	4068.63	1.36	57.29	13537.20	5520.61	1805.46	7326.07	11886.21	0.62
4.46	4.78	99.00	1.38	46.70	41.52	4110.14	1.36	56.33	13593.52	5575.48	1749.14	7324.62	11883.10	0.62
9.40	4.75	100.00	1.35	47.17	41.52	4151.66	1.33	55.67	13649.19	5502.32	1693.47	7195.79	11609.90	0.62
8.14	4.75	101.00	1.35	47.64	41.52	4193.18	1.32	54.96	13704.15	5544.64	1638.51	7183.15	11583.36	0.62
3.65	4.71	102.00	1.31	48.11	41.52	4234.69	1.29	54.13	13758.28	5442.04	1584.38	7026.43	11257.56	0.62
2.08	4.69	103.00	1.29	48.58	41.52	4276.21	1.26	52.91	13811.19	5403.11	1531.48	6934.59	11068.51	0.63
5.32	4.67	104.00	1.27	49.06	41.52	4317.73	1.25	52.09	13863.28	5379.32	1479.39	6858.71	10913.82	0.63
6.27	4.62	105.00	1.22	49.53	41.52	4359.24	1.20	50.77	13914.04	5230.06	1428.62	6658.68	10509.92	0.63
4.46	4.62	106.00	1.22	50.00	41.52	4400.76	1.20	49.81	13963.85	5279.87	1378.81	6658.68	10509.92	0.63
6.54	4.59	107.00	1.19	50.47	41.52	4442.27	1.16	49.04	14012.89	5164.08	1329.77	6493.85	10183.37	0.64
7.71	4.54	108.00	1.14	50.94	41.52	4483.79	1.12	47.35	14060.24	5014.40	1282.43	6296.83	9796.66	0.64
4.67	4.53	109.00	1.13	51.42	41.52	4525.31	1.11	46.23	14106.46	5016.44	1236.20	6252.64	9710.72	0.64
9.18	4.49	110.00	1.09	51.89	41.52	4566.82	1.07	45.23	14151.69	4887.74	1190.97	6078.71	9375.57	0.65
5.07	4.47	111.00	1.07	52.36	41.52	4608.34	1.05	44.03	14195.72	4843.29	1146.94	5990.23	9206.62	0.65
4.17	4.46	112.00	1.06	52.83	41.52	4649.86	1.04	43.46	14239.19	4848.89	1103.48	5952.36	9134.95	0.65
5.43	4.46	113.00	1.06	53.30	41.52	4691.37	1.04	43.15	14282.34	4859.96	1060.32	5920.29	9074.80	0.65
4.13	4.45	114.00	1.05	53.77	41.52	4732.89	1.03	42.89	14325.22	4875.11	1017.44	5892.55	9023.24	0.65
3.98	4.40	115.00	1.00	54.25	41.52	4774.41	0.98	41.83	14367.05	4702.43	975.61	5678.04	8627.93	0.66
4.13	4.36	116.00	0.96	54.72	41.52	4815.92	0.94	39.99	14407.05	4535.44	935.62	5471.06	8249.82	0.66
5.18	4.35	117.00	0.95	55.19	41.52	4857.44	0.93	38.85	14445.90	4517.36	896.76	5414.12	8146.69	0.66
6.69	4.34	118.00	0.94	55.66	41.52	4898.96	0.92	38.35	14484.25	4493.50	858.42	5351.91	8034.98	0.67
5.60	4.32	119.00	0.92	56.13	41.52	4940.47	0.90	37.75	14522.00	4454.03	820.66	5274.69	7897.48	0.67
4.36	4.31	120.00	0.91	56.60	41.52	4981.99	0.90	37.31	14559.31	4462.13	783.35	5245.49	7845.92	0.67

4.18	4.30	121.00	0.90	57.08	41.52	5023.51	0.88	36.88	14596.19	4425.40	746.48	5171.87	7717.02	0.67
3.56	4.25	122.00	0.85	57.55	41.52	5065.02	0.83	35.49	14631.68	4198.63	710.98	4909.61	7261.56	0.68
6.57	4.23	123.00	0.83	58.02	41.52	5106.54	0.81	34.03	14665.71	4137.86	676.95	4814.81	7098.28	0.68
4.19	4.22	124.00	0.82	58.49	41.52	5148.06	0.80	33.46	14699.17	4126.05	643.50	4769.54	7020.94	0.68
4.86	4.22	125.00	0.82	58.96	41.52	5189.57	0.80	33.26	14732.42	4155.04	610.24	4765.28	7013.71	0.68
5.72	4.21	126.00	0.81	59.43	41.52	5231.09	0.79	33.11	14765.54	4156.68	577.12	4733.80	6960.78	0.68
4.83	4.19	127.00	0.79	59.91	41.52	5272.61	0.77	32.58	14798.12	4086.22	544.54	4630.76	6788.91	0.68
4.21	4.18	128.00	0.78	60.38	41.52	5314.12	0.77	31.97	14830.09	4066.26	512.57	4578.83	6702.98	0.68
2.84	4.17	129.00	0.77	60.85	41.52	5355.64	0.76	31.56	14861.66	4045.49	481.01	4526.50	6617.04	0.68
3.23	4.16	130.00	0.76	61.32	41.52	5397.16	0.75	31.20	14892.85	4034.49	449.81	4484.30	6548.29	0.68
1.83	4.15	131.00	0.75	61.79	41.52	5438.67	0.74	30.85	14923.71	4017.51	418.96	4436.47	6470.95	0.69
4.11	4.13	132.00	0.73	62.26	41.52	5480.19	0.72	30.20	14953.90	3924.53	388.76	4313.29	6273.30	0.69
4.53	4.13	133.00	0.73	62.74	41.52	5521.71	0.72	29.73	14983.64	3954.26	359.03	4313.29	6273.30	0.69
5.78	4.11	134.00	0.71	63.21	41.52	5563.22	0.69	29.26	15012.90	3858.47	329.76	4188.23	6075.65	0.69
4.16	4.05	135.00	0.65	63.68	41.52	5604.74	0.64	27.72	15040.61	3595.86	302.05	3897.90	5620.19	0.69
3.19	3.99	136.00	0.59	64.15	41.52	5646.26	0.58	25.41	15066.03	3290.15	276.63	3566.79	5104.57	0.70
5.15	3.98	137.00	0.58	64.62	41.52	5687.77	0.57	23.91	15089.94	3236.23	252.73	3488.96	4984.26	0.70
12.96	3.93	138.00	0.53	65.09	41.52	5729.29	0.52	22.69	15112.62	3001.31	230.04	3231.35	4588.96	0.70
4.34	3.89	139.00	0.49	65.57	41.52	5770.81	0.48	20.81	15133.43	2762.65	209.23	2971.88	4193.66	0.71
5.71	3.88	140.00	0.48	66.04	41.52	5812.32	0.47	19.66	15153.09	2721.82	189.57	2911.39	4102.17	0.71
2.46	3.84	141.00	0.44	66.51	41.52	5853.84	0.43	18.66	15171.75	2521.01	170.91	2691.92	3772.57	0.71
10.01	3.84	142.00	0.44	66.98	41.52	5895.36	0.43	17.88	15189.63	2538.89	153.03	2691.92	3772.57	0.71
6.58	3.81	143.00	0.41	67.45	41.52	5936.87	0.40	17.21	15206.84	2364.57	135.82	2500.40	3488.99	0.72
6.50	3.80	144.00	0.40	67.92	41.52	5978.39	0.39	16.41	15223.25	2345.92	119.41	2465.33	3437.42	0.72
2.68	3.80	145.00	0.40	68.40	41.52	6019.91	0.39	16.23	15239.48	2344.49	103.18	2447.67	3411.64	0.72
4.91	3.73	146.00	0.33	68.87	41.52	6061.42	0.32	14.82	15254.31	1968.21	88.36	2056.57	2844.47	0.72
5.94	3.67	147.00	0.27	69.34	41.52	6102.94	0.26	12.24	15266.55	1616.49	76.12	1692.60	2320.26	0.73
4.69	3.65	148.00	0.25	69.81	41.52	6144.45	0.25	10.67	15277.22	1531.04	65.45	1596.48	2182.76	0.73
6.08	3.63	149.00	0.23	70.28	41.52	6185.97	0.22	9.84	15287.05	1389.96	55.61	1445.57	1968.33	0.73
3.43	3.63	150.00	0.23	70.75	41.52	6227.49	0.22	9.33	15296.38	1399.00	46.28	1445.28	1967.93	0.73
8.39	3.62	151.00	0.22	71.23	41.52	6269.00	0.22	9.16	15305.54	1359.15	37.12	1396.26	1899.20	0.74
2.67	3.60	152.00	0.20	71.70	41.52	6310.52	0.20	8.57	15314.12	1238.12	28.54	1266.67	1718.71	0.74
3.59	3.59	153.00	0.19	72.17	41.52	6352.04	0.19	7.96	15322.08	1190.19	20.58	1210.77	1641.37	0.74
4.99	3.56	154.00	0.16	72.64	41.52	6393.55	0.16	7.15	15329.23	1003.53	13.43	1016.97	1374.97	0.74
5.50	3.56	155.00	0.16	73.11	41.52	6435.07	0.16	6.52	15335.74	1010.05	6.92	1016.97	1374.97	0.74
5.36	3.45	156.00	0.05	73.58	41.52	6476.59	0.05	4.33	15340.08	335.87	2.58	338.45	454.28	0.75
2.96	3.43	157.00	0.03	74.06	41.52	6518.10	0.03	1.69	15341.77	191.83	0.90	192.72	257.81	0.75
1.77	3.41	158.00	0.01	74.53	41.52	6559.62	0.01	0.90	15342.66	90.09	0.00	90.09	120.31	0.75

Escenario ESA-1

Caudal medio mensual m <sup>3</sup> /s	Caudal medio mensual ordenado de mayor a menor m <sup>3</sup> /s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (Mwh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
6.43	10.29	1	7.71	0.14	12.13	12.13	7.56			91.78	14645.30	14737.08	66264.61	0.22
5.23	9.72	2	7.14	0.28	12.13	24.27	7.00	88.38	88.38	169.97	14556.92	14726.89	61359.22	0.24
3.96	9.49	3	6.91	0.41	12.13	36.40	6.78	83.60	171.99	246.67	14473.31	14719.98	59365.06	0.25
5.27	9.48	4	6.90	0.55	12.13	48.53	6.77	82.19	254.17	328.60	14391.12	14719.72	59312.08	0.25
3.10	9.34	5	6.76	0.69	12.13	60.66	6.64	81.33	335.50	402.52	14309.80	14712.31	58123.35	0.25
3.36	9.33	6	6.75	0.83	12.13	72.80	6.62	80.43	415.93	482.18	14229.37	14711.54	58022.17	0.25
2.92	9.25	7	6.67	0.97	12.13	84.93	6.54	79.85	495.78	555.32	14149.52	14704.83	57276.88	0.26
4.18	9.23	8	6.65	1.11	12.13	97.06	6.53	79.25	575.03	633.39	14070.27	14703.66	57163.43	0.26
3.23	9.04	9	6.46	1.24	12.13	109.20	6.33	78.00	653.03	691.49	13992.26	14683.76	55473.07	0.26
5.89	9.03	10	6.45	1.38	12.13	121.33	6.33	76.81	729.84	767.87	13915.45	14683.32	55440.23	0.26
7.32	8.91	11	6.33	1.52	12.13	133.46	6.21	76.06	805.91	828.75	13839.39	14668.14	54395.91	0.27
7.26	8.71	12	6.13	1.66	12.13	145.60	6.02	74.17	880.08	875.92	13765.22	14641.14	52701.22	0.28
4.81	8.69	13	6.11	1.80	12.13	157.73	5.99	72.86	952.94	945.49	13692.36	14637.85	52511.14	0.28
4.16	8.68	14	6.10	1.94	12.13	169.86	5.99	72.68	1025.62	1016.94	13619.68	14636.62	52445.00	0.28
3.92	8.61	15	6.03	2.07	12.13	181.99	5.92	72.23	1097.85	1077.27	13547.45	14624.72	51852.67	0.28
2.60	8.49	16	5.91	2.21	12.13	194.13	5.80	71.08	1168.93	1125.43	13476.37	14601.80	50785.02	0.29
3.67	8.44	17	5.86	2.35	12.13	206.26	5.75	70.03	1238.96	1185.21	13406.34	14591.55	50336.48	0.29
3.21	8.41	18	5.83	2.49	12.13	218.39	5.72	69.55	1308.50	1248.73	13336.79	14585.53	50087.99	0.29
2.82	8.30	19	5.72	2.63	12.13	230.53	5.61	68.71	1377.22	1292.95	13268.08	14561.03	49132.02	0.30
2.20	8.11	20	5.53	2.77	12.13	242.66	5.42	66.93	1444.14	1316.02	13201.16	14517.18	47508.46	0.31
2.59	8.09	21	5.51	2.90	12.13	254.79	5.41	65.71	1509.85	1377.99	13135.45	14513.44	47376.61	0.31
6.97	8.04	22	5.46	3.04	12.13	266.93	5.35	65.30	1575.15	1429.37	13070.15	14499.53	46909.43	0.31
7.62	7.96	23	5.38	3.18	12.13	279.06	5.28	64.52	1639.66	1473.52	13005.63	14479.16	46255.86	0.31
8.09	7.93	24	5.35	3.32	12.13	291.19	5.25	63.90	1703.56	1529.48	12941.74	14471.22	46011.88	0.31
6.22	7.88	25	5.30	3.46	12.13	303.32	5.20	63.42	1766.98	1577.72	12878.32	14456.04	45564.50	0.32
4.43	7.88	26	5.30	3.60	12.13	315.46	5.20	63.08	1830.06	1639.18	12815.24	14454.42	45518.66	0.32
5.04	7.87	27	5.29	3.73	12.13	327.59	5.19	62.99	1893.05	1699.24	12752.25	14451.49	45438.90	0.32
4.87	7.86	28	5.28	3.87	12.13	339.72	5.18	62.89	1955.94	1759.80	12689.36	14449.15	45377.60	0.32
3.56	7.80	29	5.22	4.01	12.13	351.86	5.12	62.51	2018.45	1802.77	12626.85	14429.62	44882.80	0.32
2.49	7.73	30	5.15	4.15	12.13	363.99	5.06	61.76	2080.21	1840.58	12565.09	14405.67	44296.58	0.33
2.49	7.72	31	5.14	4.29	12.13	376.12	5.05	61.28	2141.49	1897.56	12503.81	14401.37	44194.89	0.33
1.62	7.65	32	5.07	4.43	12.13	388.25	4.97	60.77	2202.26	1930.69	12443.04	14373.72	43561.09	0.33
2.61	7.62	33	5.04	4.56	12.13	400.39	4.94	60.15	2262.41	1978.76	12382.89	14361.65	43292.86	0.33
5.09	7.50	34	4.92	4.70	12.13	412.52	4.83	59.28	2321.68	1992.04	12323.61	14315.65	42301.46	0.34
7.93	7.49	35	4.91	4.84	12.13	424.65	4.82	58.54	2380.23	2047.47	12265.07	14312.54	42236.31	0.34
7.12	7.46	36	4.88	4.98	12.13	436.79	4.79	58.30	2438.53	2091.79	12206.77	14298.56	41952.06	0.34

6.41	7.44	37	4.86	5.12	12.13	448.92	4.77	57.98	2496.51	2140.50	12148.79	14289.29	41768.68	0.34
3.98	7.43	38	4.85	5.26	12.13	461.05	4.76	57.78	2554.29	2193.20	12091.00	14284.20	41670.79	0.34
3.23	7.42	39	4.84	5.39	12.13	473.19	4.75	57.68	2611.97	2247.96	12033.33	14281.29	41616.04	0.34
4.26	7.41	40	4.83	5.53	12.13	485.32	4.74	57.55	2669.52	2298.69	11975.77	14274.46	41491.33	0.34
3.83	7.36	41	4.78	5.67	12.13	497.45	4.69	57.18	2726.71	2332.85	11918.59	14251.44	41080.89	0.35
2.96	7.34	42	4.76	5.81	12.13	509.58	4.67	56.75	2783.46	2377.43	11861.84	14239.27	40869.16	0.35
1.76	7.32	43	4.74	5.95	12.13	521.72	4.65	56.53	2839.99	2427.37	11805.31	14232.68	40757.30	0.35
1.82	7.32	44	4.74	6.09	12.13	533.85	4.65	56.43	2896.42	2482.22	11748.88	14231.10	40730.94	0.35
4.95	7.32	45	4.74	6.22	12.13	545.98	4.65	56.41	2952.83	2538.13	11692.47	14230.60	40722.89	0.35
5.93	7.26	46	4.68	6.36	12.13	558.12	4.59	56.05	3008.87	2561.66	11636.42	14198.09	40206.95	0.35
5.18	7.26	47	4.68	6.50	12.13	570.25	4.59	55.68	3064.56	2616.76	11580.74	14197.50	40197.91	0.35
4.92	7.25	48	4.67	6.64	12.13	582.38	4.58	55.62	3120.18	2667.17	11525.12	14192.29	40118.63	0.35
6.35	7.23	49	4.65	6.78	12.13	594.52	4.56	55.43	3175.61	2709.54	11469.69	14179.23	39924.27	0.36
4.52	7.20	50	4.62	6.92	12.13	606.65	4.53	55.13	3230.74	2748.09	11414.56	14162.65	39682.45	0.36
4.20	7.18	51	4.60	7.05	12.13	618.78	4.51	54.85	3285.59	2792.09	11359.71	14151.79	39527.21	0.36
4.18	7.12	52	4.54	7.19	12.13	630.91	4.45	54.39	3339.98	2809.62	11305.32	14114.94	39010.56	0.36
4.95	7.08	53	4.50	7.33	12.13	643.05	4.42	53.82	3393.80	2841.52	11251.49	14093.02	38709.06	0.36
3.90	7.08	54	4.50	7.47	12.13	655.18	4.42	53.60	3447.41	2893.94	11197.89	14091.83	38692.99	0.36
2.50	7.07	55	4.49	7.61	12.13	667.31	4.41	53.54	3500.95	2942.39	11144.35	14086.74	38625.59	0.36
2.57	7.07	56	4.49	7.75	12.13	679.45	4.41	53.50	3554.45	2995.63	11090.85	14086.48	38622.19	0.36
4.03	7.04	57	4.46	7.88	12.13	691.58	4.37	53.26	3607.71	3022.89	11037.59	14060.47	38289.89	0.37
5.11	6.97	58	4.39	8.02	12.13	703.71	4.31	52.64	3660.35	3030.43	10984.95	14015.38	37723.68	0.37
6.44	6.97	59	4.39	8.16	12.13	715.84	4.30	52.22	3712.57	3079.46	10932.73	14012.18	37684.22	0.37
10.29	6.93	60	4.35	8.30	12.13	727.98	4.27	51.98	3764.55	3105.87	10880.75	13986.62	37374.02	0.37
7.73	6.93	61	4.35	8.44	12.13	740.11	4.27	51.76	3816.31	3157.26	10828.99	13986.24	37369.49	0.37
5.12	6.91	62	4.33	8.58	12.13	752.24	4.25	51.66	3867.97	3196.93	10777.32	13974.25	37228.73	0.38
3.88	6.89	63	4.31	8.71	12.13	764.38	4.22	51.40	3919.38	3228.48	10725.92	13954.40	36999.35	0.38
4.35	6.78	64	4.20	8.85	12.13	776.51	4.12	50.63	3970.01	3201.39	10675.29	13876.68	36115.73	0.38
4.70	6.74	65	4.16	8.99	12.13	788.64	4.08	49.79	4019.80	3221.17	10625.50	13846.67	35779.80	0.39
2.27	6.74	66	4.16	9.13	12.13	800.78	4.08	49.53	4069.34	3267.88	10575.96	13843.84	35748.58	0.39
1.62	6.73	67	4.15	9.27	12.13	812.91	4.07	49.43	4118.76	3305.65	10526.54	13832.18	35622.04	0.39
2.87	6.69	68	4.11	9.41	12.13	825.04	4.04	49.15	4167.92	3330.03	10477.38	13807.41	35357.09	0.39
2.94	6.67	69	4.09	9.54	12.13	837.17	4.01	48.80	4216.71	3355.18	10428.58	13783.77	35107.85	0.39
6.11	6.65	70	4.07	9.68	12.13	849.31	3.99	48.51	4265.22	3387.58	10380.07	13767.65	34940.43	0.39
5.52	6.63	71	4.05	9.82	12.13	861.44	3.97	48.31	4313.53	3423.62	10331.77	13755.39	34814.87	0.40
7.43	6.62	72	4.04	9.96	12.13	873.57	3.96	48.16	4361.69	3462.75	10283.61	13746.36	34723.71	0.40
7.87	6.59	73	4.01	10.10	12.13	885.71	3.93	47.88	4409.57	3480.01	10235.73	13715.74	34418.77	0.40
3.55	6.56	74	3.98	10.24	12.13	897.84	3.90	47.49	4457.07	3501.55	10188.23	13689.78	34163.79	0.40
3.06	6.55	75	3.97	10.37	12.13	909.97	3.89	47.26	4504.33	3540.40	10140.97	13681.37	34082.27	0.40
4.25	6.51	76	3.93	10.51	12.13	922.11	3.86	46.99	4551.32	3555.26	10093.98	13649.24	33775.01	0.40
3.18	6.46	77	3.88	10.65	12.13	934.24	3.81	46.48	4597.80	3555.82	10047.50	13603.31	33341.55	0.41
1.91	6.45	78	3.87	10.79	12.13	946.37	3.80	46.12	4643.92	3592.68	10001.38	13594.06	33255.30	0.41

1.50	6.44	79	3.86	10.93	12.13	958.50	3.79	46.01	4689.93	3631.42	9955.36	13586.79	33188.44	0.41
1.73	6.43	80	3.85	11.07	12.13	970.64	3.78	45.91	4735.84	3667.56	9909.46	13577.02	33099.71	0.41
1.46	6.42	81	3.84	11.20	12.13	982.77	3.77	45.79	4781.62	3703.98	9863.67	13567.65	33015.71	0.41
4.07	6.41	82	3.83	11.34	12.13	994.90	3.76	45.66	4827.29	3739.15	9818.01	13557.16	32922.80	0.41
6.89	6.41	83	3.83	11.48	12.13	1007.04	3.76	45.59	4872.88	3783.99	9772.41	13556.41	32916.18	0.41
8.41	6.41	84	3.83	11.62	12.13	1019.17	3.76	45.57	4918.46	3827.00	9726.84	13553.84	32893.99	0.41
5.27	6.40	85	3.82	11.76	12.13	1031.30	3.75	45.54	4964.00	3868.70	9681.30	13550.01	32861.23	0.41
2.66	6.38	86	3.80	11.89	12.13	1043.43	3.72	45.35	5009.35	3886.73	9635.95	13522.68	32630.47	0.41
2.50	6.36	87	3.78	12.03	12.13	1055.57	3.71	45.09	5054.44	3913.72	9590.86	13504.58	32479.37	0.42
5.55	6.35	88	3.77	12.17	12.13	1067.70	3.70	44.91	5099.35	3945.87	9545.95	13491.81	32374.05	0.42
2.89	6.35	89	3.77	12.31	12.13	1079.83	3.69	44.83	5144.18	3989.53	9501.11	13490.64	32364.51	0.42
1.55	6.27	90	3.69	12.45	12.13	1091.97	3.62	44.39	5188.57	3955.62	9456.72	13412.34	31732.85	0.42
1.74	6.24	91	3.66	12.59	12.13	1104.10	3.59	43.78	5232.35	3967.64	9412.95	13380.59	31479.51	0.43
2.82	6.23	92	3.65	12.72	12.13	1116.23	3.58	43.51	5275.86	3994.42	9369.44	13363.86	31347.53	0.43
4.78	6.22	93	3.64	12.86	12.13	1128.37	3.57	43.37	5319.23	4028.73	9326.07	13354.80	31276.77	0.43
4.87	6.22	94	3.64	13.00	12.13	1140.50	3.57	43.30	5362.53	4068.61	9282.77	13351.38	31250.42	0.43
9.03	6.21	95	3.63	13.14	12.13	1152.63	3.56	43.24	5405.77	4104.03	9239.53	13343.56	31190.63	0.43
9.23	6.12	96	3.54	13.28	12.13	1164.76	3.48	42.70	5448.47	4050.30	9196.83	13247.13	30461.60	0.43
4.89	6.12	97	3.54	13.42	12.13	1176.90	3.48	42.19	5490.65	4091.79	9154.64	13246.43	30456.39	0.43
3.69	6.11	98	3.53	13.55	12.13	1189.03	3.46	42.08	5532.73	4113.88	9112.56	13226.45	30308.40	0.44
4.31	6.10	99	3.52	13.69	12.13	1201.16	3.45	41.92	5574.65	4144.44	9070.64	13215.09	30225.13	0.44
4.95	6.08	100	3.50	13.83	12.13	1213.30	3.43	41.74	5616.39	4161.53	9028.90	13190.43	30046.24	0.44
4.37	6.08	101	3.50	13.97	12.13	1225.43	3.43	41.61	5658.00	4201.57	8987.30	13188.86	30034.96	0.44
2.51	6.08	102	3.50	14.11	12.13	1237.56	3.43	41.60	5699.60	4243.10	8945.70	13188.80	30034.49	0.44
2.46	6.07	103	3.49	14.25	12.13	1249.70	3.43	41.59	5741.19	4282.06	8904.11	13186.17	30016.02	0.44
2.43	6.07	104	3.49	14.38	12.13	1261.83	3.42	41.56	5782.75	4320.86	8862.55	13183.41	29996.76	0.44
4.52	6.06	105	3.48	14.52	12.13	1273.96	3.41	41.46	5824.21	4344.93	8821.09	13166.02	29876.60	0.44
5.93	6.04	106	3.46	14.66	12.13	1286.09	3.40	41.31	5865.52	4370.35	8779.78	13150.14	29767.88	0.44
7.86	6.01	107	3.43	14.80	12.13	1298.23	3.36	41.03	5906.54	4368.17	8738.76	13106.93	29474.94	0.44
6.93	5.99	108	3.41	14.94	12.13	1310.36	3.35	40.72	5947.26	4387.02	8698.03	13085.06	29328.06	0.45
5.73	5.97	109	3.39	15.08	12.13	1322.49	3.33	40.48	5987.75	4397.95	8657.55	13055.50	29131.35	0.45
3.40	5.97	110	3.39	15.21	12.13	1334.63	3.32	40.33	6028.08	4433.73	8617.22	13050.95	29101.40	0.45
4.27	5.93	111	3.35	15.35	12.13	1346.76	3.29	40.11	6068.19	4430.51	8577.11	13007.62	28818.29	0.45
4.81	5.93	112	3.35	15.49	12.13	1358.89	3.28	39.88	6108.06	4462.23	8537.23	12999.46	28765.44	0.45
4.11	5.93	113	3.35	15.63	12.13	1371.02	3.28	39.84	6147.91	4501.87	8497.39	12999.26	28764.16	0.45
2.86	5.93	114	3.35	15.77	12.13	1383.16	3.28	39.83	6187.74	4539.92	8457.56	12997.48	28752.81	0.45
2.85	5.91	115	3.33	15.91	12.13	1395.29	3.26	39.70	6227.44	4552.31	8417.86	12970.16	28580.57	0.45
2.75	5.90	116	3.32	16.04	12.13	1407.42	3.26	39.58	6267.02	4590.58	8378.28	12968.86	28572.40	0.45
4.04	5.90	117	3.32	16.18	12.13	1419.56	3.26	39.57	6306.59	4629.87	8338.70	12968.57	28570.62	0.45
4.83	5.89	118	3.31	16.32	12.13	1431.69	3.25	39.49	6346.08	4650.24	8299.21	12949.45	28453.14	0.46
6.38	5.89	119	3.31	16.46	12.13	1443.82	3.25	39.40	6385.48	4686.97	8259.82	12946.78	28436.89	0.46
6.12	5.88	120	3.30	16.60	12.13	1455.96	3.24	39.32	6424.80	4710.25	8220.50	12930.75	28340.02	0.46



4.90	5.88	121	3.30	16.74	12.13	1468.09	3.23	39.24	6464.04	4745.68	8181.26	12926.94	28317.19	0.46
2.92	5.84	122	3.26	16.87	12.13	1480.22	3.20	39.01	6503.05	4733.66	8142.25	12875.91	28013.96	0.46
3.35	5.82	123	3.24	17.01	12.13	1492.35	3.18	38.69	6541.74	4744.99	8103.56	12848.55	27852.73	0.46
2.21	5.80	124	3.22	17.15	12.13	1504.49	3.16	38.48	6580.21	4758.67	8065.08	12823.76	27707.77	0.46
2.81	5.79	125	3.21	17.29	12.13	1516.62	3.15	38.32	6618.53	4782.37	8026.77	12809.13	27622.94	0.46
2.51	5.77	126	3.19	17.43	12.13	1528.75	3.13	38.12	6656.65	4786.44	7988.64	12775.08	27427.04	0.47
1.44	5.77	127	3.19	17.57	12.13	1540.89	3.13	37.96	6694.61	4817.37	7950.68	12768.05	27386.93	0.47
1.70	5.75	128	3.17	17.70	12.13	1553.02	3.11	37.86	6732.47	4835.96	7912.83	12748.79	27277.83	0.47
2.71	5.74	129	3.16	17.84	12.13	1565.15	3.10	37.72	6770.19	4858.41	7875.11	12733.51	27192.01	0.47
4.16	5.73	130	3.15	17.98	12.13	1577.29	3.09	37.58	6807.77	4874.13	7837.53	12711.66	27070.18	0.47
6.24	5.73	131	3.15	18.12	12.13	1589.42	3.09	37.48	6845.25	4908.52	7800.05	12708.56	27053.05	0.47
6.41	5.72	132	3.14	18.26	12.13	1601.55	3.09	37.45	6882.70	4940.87	7762.60	12703.46	27025.05	0.47
5.75	5.72	133	3.14	18.40	12.13	1613.68	3.08	37.38	6920.08	4964.10	7725.22	12689.32	26947.97	0.47
4.32	5.69	134	3.11	18.53	12.13	1625.82	3.05	37.19	6957.27	4965.98	7688.03	12654.00	26756.97	0.47
4.56	5.68	135	3.10	18.67	12.13	1637.95	3.04	36.97	6994.24	4979.84	7651.05	12630.89	26632.90	0.47
5.84	5.67	136	3.09	18.81	12.13	1650.08	3.04	36.86	7031.11	5009.74	7614.19	12623.93	26595.82	0.47
4.48	5.67	137	3.09	18.95	12.13	1662.22	3.04	36.83	7067.94	5045.05	7577.36	12622.41	26587.78	0.47
3.43	5.67	138	3.09	19.09	12.13	1674.35	3.03	36.78	7104.71	5068.66	7540.58	12609.24	26518.64	0.48
2.80	5.66	139	3.08	19.23	12.13	1686.48	3.03	36.72	7141.43	5102.10	7503.87	12605.96	26501.55	0.48
3.73	5.66	140	3.08	19.36	12.13	1698.61	3.02	36.66	7178.10	5127.18	7467.20	12594.39	26441.62	0.48
5.36	5.63	141	3.05	19.50	12.13	1710.75	2.99	36.48	7214.57	5123.08	7430.72	12553.80	26233.08	0.48
5.56	5.63	142	3.05	19.64	12.13	1722.88	2.99	36.32	7250.89	5154.28	7394.41	12548.68	26206.95	0.48
7.42	5.63	143	3.05	19.78	12.13	1735.01	2.99	36.27	7287.16	5183.35	7358.14	12541.49	26170.49	0.48
7.49	5.61	144	3.03	19.92	12.13	1747.15	2.97	36.17	7323.33	5196.16	7321.97	12518.13	26052.97	0.48
6.67	5.58	145	3.00	20.06	12.13	1759.28	2.94	35.90	7359.23	5179.23	7286.07	12465.30	25788.99	0.48
3.85	5.57	146	2.99	20.19	12.13	1771.41	2.93	35.63	7394.86	5190.23	7250.43	12440.66	25666.75	0.48
3.74	5.56	147	2.98	20.33	12.13	1783.55	2.93	35.52	7430.39	5218.54	7214.91	12433.45	25631.22	0.49
5.10	5.55	148	2.97	20.47	12.13	1795.68	2.91	35.40	7465.79	5223.32	7179.51	12402.84	25481.35	0.49
4.14	5.54	149	2.96	20.61	12.13	1807.81	2.90	35.24	7501.03	5243.68	7144.27	12387.95	25408.98	0.49
2.70	5.54	150	2.96	20.75	12.13	1819.94	2.90	35.19	7536.22	5278.81	7109.08	12387.89	25408.69	0.49
2.29	5.52	151	2.94	20.89	12.13	1832.08	2.88	35.08	7571.30	5280.33	7074.00	12354.33	25247.67	0.49
3.06	5.51	152	2.93	21.02	12.13	1844.21	2.88	34.94	7606.24	5307.59	7039.05	12346.65	25211.07	0.49
4.11	5.51	153	2.93	21.16	12.13	1856.34	2.88	34.92	7641.16	5342.49	7004.13	12346.63	25210.98	0.49
4.52	5.50	154	2.92	21.30	12.13	1868.48	2.87	34.85	7676.01	5356.61	6969.28	12325.90	25113.47	0.49
6.97	5.50	155	2.92	21.44	12.13	1880.61	2.86	34.76	7710.78	5385.32	6934.52	12319.84	25085.16	0.49
9.25	5.49	156	2.91	21.58	12.13	1892.74	2.86	34.70	7745.48	5407.89	6899.82	12307.70	25028.81	0.49
5.04	5.48	157	2.90	21.72	12.13	1904.88	2.84	34.58	7780.06	5415.13	6865.24	12280.37	24902.72	0.49
4.45	5.47	158	2.89	21.85	12.13	1917.01	2.84	34.47	7814.53	5443.53	6830.76	12274.29	24874.86	0.49
3.99	5.45	159	2.87	21.99	12.13	1929.14	2.81	34.30	7848.83	5428.21	6796.47	12224.67	24648.83	0.50
5.61	5.44	160	2.86	22.13	12.13	1941.27	2.81	34.11	7882.94	5452.98	6762.36	12215.34	24606.57	0.50
5.18	5.44	161	2.86	22.27	12.13	1953.41	2.81	34.07	7917.01	5484.23	6728.29	12212.52	24593.90	0.50
4.57	5.43	162	2.85	22.41	12.13	1965.54	2.79	33.97	7950.99	5489.07	6694.31	12183.39	24463.65	0.50

2.87	5.42	163	2.84	22.54	12.13	1977.67	2.79	33.86	7984.84	5515.00	6660.45	12175.45	24428.41	0.50
2.92	5.42	164	2.84	22.68	12.13	1989.81	2.79	33.82	8018.66	5544.20	6626.63	12170.83	24408.00	0.50
3.95	5.41	165	2.83	22.82	12.13	2001.94	2.78	33.74	8052.40	5555.93	6592.89	12148.82	24311.40	0.50
5.06	5.37	166	2.79	22.96	12.13	2014.07	2.74	33.47	8085.87	5521.32	6559.43	12080.74	24014.40	0.50
6.65	5.37	167	2.79	23.10	12.13	2026.20	2.73	33.22	8119.09	5540.86	6526.21	12067.07	23955.09	0.50
8.61	5.36	168	2.78	23.24	12.13	2038.34	2.73	33.14	8152.23	5561.47	6493.07	12054.53	23901.06	0.50
7.25	5.36	169	2.78	23.37	12.13	2050.47	2.72	33.08	8185.31	5586.87	6459.99	12046.86	23868.18	0.50
3.97	5.36	170	2.78	23.51	12.13	2062.60	2.72	33.05	8218.37	5618.66	6426.93	12045.59	23862.79	0.50
3.73	5.31	171	2.73	23.65	12.13	2074.74	2.68	32.79	8251.16	5562.64	6394.14	11956.78	23486.72	0.51
4.75	5.30	172	2.72	23.79	12.13	2086.87	2.67	32.44	8283.59	5562.79	6361.70	11924.49	23350.77	0.51
3.79	5.29	173	2.71	23.93	12.13	2099.00	2.66	32.28	8315.88	5574.59	6329.42	11904.01	23265.04	0.51
2.32	5.28	174	2.70	24.07	12.13	2111.14	2.65	32.21	8348.08	5600.99	6297.22	11898.20	23240.87	0.51
1.76	5.27	175	2.69	24.20	12.13	2123.27	2.64	32.11	8380.19	5603.76	6265.11	11868.87	23119.51	0.51
1.99	5.27	176	2.69	24.34	12.13	2135.40	2.64	32.01	8412.20	5632.45	6233.10	11865.55	23105.84	0.51
2.73	5.27	177	2.69	24.48	12.13	2147.53	2.64	31.99	8444.19	5661.18	6201.10	11862.28	23092.48	0.51
4.64	5.26	178	2.68	24.62	12.13	2159.67	2.63	31.93	8476.13	5675.15	6169.17	11844.32	23019.44	0.51
6.08	5.26	179	2.68	24.76	12.13	2171.80	2.63	31.87	8507.99	5701.58	6137.30	11838.88	22997.44	0.51
8.30	5.25	180	2.67	24.90	12.13	2183.93	2.62	31.81	8539.80	5716.97	6105.50	11822.47	22931.40	0.52
5.68	5.24	181	2.66	25.03	12.13	2196.07	2.61	31.68	8571.49	5721.09	6073.81	11794.90	22821.13	0.52
3.42	5.23	182	2.65	25.17	12.13	2208.20	2.60	31.56	8603.05	5735.94	6042.25	11778.19	22754.68	0.52
3.84	5.20	183	2.62	25.31	12.13	2220.33	2.57	31.35	8634.39	5705.06	6010.90	11715.96	22508.49	0.52
4.41	5.20	184	2.62	25.45	12.13	2232.47	2.57	31.17	8665.56	5733.70	5979.74	11713.43	22498.52	0.52
3.67	5.18	185	2.60	25.59	12.13	2244.60	2.55	31.06	8696.62	5726.67	5948.68	11675.35	22349.49	0.52
2.14	5.18	186	2.60	25.73	12.13	2256.73	2.55	30.93	8727.54	5746.52	5917.75	11664.27	22306.37	0.52
2.75	5.16	187	2.58	25.86	12.13	2268.86	2.53	30.82	8758.37	5750.81	5886.93	11637.74	22203.65	0.52
2.25	5.16	188	2.58	26.00	12.13	2281.00	2.53	30.74	8789.11	5777.99	5856.19	11634.18	22189.94	0.52
3.27	5.15	189	2.57	26.14	12.13	2293.13	2.52	30.67	8819.78	5783.26	5825.52	11608.78	22092.68	0.53
5.37	5.14	190	2.56	26.28	12.13	2305.26	2.51	30.51	8850.29	5778.92	5795.01	11573.93	21959.91	0.53
5.66	5.12	191	2.54	26.42	12.13	2317.40	2.50	30.35	8880.63	5783.11	5764.66	11547.78	21860.77	0.53
7.36	5.12	192	2.54	26.56	12.13	2329.53	2.49	30.23	8910.86	5794.75	5734.44	11529.19	21790.68	0.53
5.48	5.12	193	2.54	26.69	12.13	2341.66	2.49	30.18	8941.04	5823.64	5704.26	11527.90	21785.84	0.53
4.23	5.11	194	2.53	26.83	12.13	2353.80	2.48	30.15	8971.19	5845.95	5674.10	11520.05	21756.58	0.53
3.03	5.11	195	2.53	26.97	12.13	2365.93	2.48	30.10	9001.29	5861.89	5644.01	11505.90	21704.03	0.53
3.73	5.10	196	2.52	27.11	12.13	2378.06	2.48	30.06	9031.35	5889.76	5613.95	11503.71	21695.96	0.53
2.60	5.10	197	2.52	27.25	12.13	2390.19	2.47	30.02	9061.36	5907.01	5583.93	11490.94	21649.04	0.53
2.59	5.10	198	2.52	27.39	12.13	2402.33	2.47	29.98	9091.34	5933.17	5553.96	11487.13	21635.11	0.53
1.86	5.10	199	2.52	27.52	12.13	2414.46	2.47	29.96	9121.30	5961.59	5524.00	11485.59	21629.50	0.53
1.86	5.09	200	2.51	27.66	12.13	2426.59	2.46	29.92	9151.22	5977.78	5494.07	11471.85	21579.77	0.53
3.18	5.09	201	2.51	27.80	12.13	2438.73	2.46	29.87	9181.10	6001.48	5464.20	11465.68	21557.55	0.53
5.06	5.09	202	2.51	27.94	12.13	2450.86	2.46	29.85	9210.95	6028.48	5434.35	11462.82	21547.32	0.53
5.41	5.08	203	2.50	28.08	12.13	2462.99	2.45	29.79	9240.74	6035.99	5404.56	11440.55	21467.91	0.53
7.41	5.07	204	2.49	28.22	12.13	2475.12	2.44	29.67	9270.41	6038.59	5374.89	11413.48	21371.88	0.53

4.92	5.06	205	2.48	28.35	12.13	2487.26	2.43	29.56	9299.96	6049.80	5345.34	11395.13	21307.09	0.53
3.24	5.06	206	2.48	28.49	12.13	2499.39	2.43	29.49	9329.45	6069.49	5315.85	11385.34	21272.67	0.54
2.73	5.04	207	2.46	28.63	12.13	2511.52	2.41	29.38	9358.83	6062.81	5286.47	11349.28	21146.61	0.54
3.64	5.04	208	2.46	28.77	12.13	2523.66	2.41	29.26	9388.09	6080.65	5257.21	11337.86	21106.86	0.54
3.73	5.01	209	2.43	28.91	12.13	2535.79	2.39	29.09	9417.18	6051.40	5228.12	11279.52	20904.83	0.54
2.81	4.99	210	2.41	29.05	12.13	2547.92	2.37	28.85	9446.03	6034.77	5199.27	11234.04	20748.11	0.54
2.56	4.99	211	2.41	29.18	12.13	2560.06	2.36	28.71	9474.74	6053.32	5170.56	11223.88	20713.27	0.54
3.09	4.98	212	2.40	29.32	12.13	2572.19	2.36	28.63	9503.37	6058.86	5141.92	11200.79	20634.44	0.54
3.88	4.97	213	2.39	29.46	12.13	2584.32	2.35	28.54	9531.91	6068.86	5113.39	11182.25	20571.43	0.54
4.80	4.96	214	2.38	29.60	12.13	2596.45	2.34	28.41	9560.32	6063.15	5084.98	11148.13	20456.05	0.54
5.47	4.95	215	2.37	29.74	12.13	2608.59	2.33	28.30	9588.62	6077.22	5056.68	11133.90	20408.16	0.55
7.04	4.95	216	2.37	29.88	12.13	2620.72	2.33	28.27	9616.89	6105.41	5028.41	11133.82	20407.91	0.55
5.97	4.95	217	2.37	30.01	12.13	2632.85	2.33	28.24	9645.13	6123.20	5000.17	11123.37	20373.05	0.55
3.79	4.93	218	2.35	30.15	12.13	2644.99	2.30	28.08	9673.21	6090.47	4972.09	11062.56	20171.19	0.55
3.45	4.92	219	2.34	30.29	12.13	2657.12	2.30	27.92	9701.13	6111.58	4944.17	11055.75	20148.67	0.55
4.03	4.92	220	2.34	30.43	12.13	2669.25	2.30	27.90	9729.03	6135.45	4916.27	11051.72	20135.43	0.55
3.09	4.92	221	2.34	30.57	12.13	2681.39	2.29	27.85	9756.87	6145.39	4888.42	11033.81	20076.79	0.55
2.43	4.90	222	2.32	30.71	12.13	2693.52	2.28	27.71	9784.58	6129.45	4860.72	10990.17	19934.52	0.55
2.12	4.89	223	2.31	30.84	12.13	2705.65	2.27	27.57	9812.15	6139.54	4833.14	10972.69	19877.80	0.55
2.38	4.89	224	2.31	30.98	12.13	2717.78	2.27	27.52	9839.68	6163.91	4805.62	10969.52	19867.59	0.55
3.11	4.87	225	2.29	31.12	12.13	2729.92	2.25	27.41	9867.09	6143.17	4778.21	10921.38	19712.75	0.55
4.27	4.87	226	2.29	31.26	12.13	2742.05	2.24	27.26	9894.35	6151.33	4750.95	10902.28	19651.60	0.55
6.62	4.84	227	2.26	31.40	12.13	2754.18	2.22	27.07	9921.42	6110.19	4723.88	10834.08	19434.19	0.56
5.88	4.83	228	2.25	31.54	12.13	2766.32	2.21	26.87	9948.28	6114.13	4697.01	10811.14	19361.40	0.56
6.22	4.83	229	2.25	31.67	12.13	2778.45	2.20	26.78	9975.06	6124.99	4670.23	10795.22	19311.09	0.56
3.54	4.82	230	2.24	31.81	12.13	2790.58	2.20	26.73	10001.79	6144.18	4643.50	10787.68	19287.37	0.56
3.20	4.82	231	2.24	31.95	12.13	2802.71	2.19	26.67	10028.46	6148.61	4616.84	10765.45	19217.74	0.56
3.24	4.81	232	2.23	32.09	12.13	2814.85	2.19	26.59	10055.05	6163.78	4590.24	10754.03	19182.12	0.56
3.91	4.81	233	2.23	32.23	12.13	2826.98	2.19	26.56	10081.61	6185.24	4563.69	10748.93	19166.28	0.56
2.49	4.80	234	2.22	32.37	12.13	2839.11	2.18	26.48	10108.09	6179.70	4537.21	10716.91	19067.27	0.56
3.13	4.80	235	2.22	32.50	12.13	2851.25	2.18	26.40	10134.49	6202.63	4510.81	10713.44	19056.59	0.56
3.31	4.79	236	2.21	32.64	12.13	2863.38	2.17	26.34	10160.83	6204.35	4484.47	10688.81	18981.09	0.56
4.03	4.79	237	2.21	32.78	12.13	2875.51	2.16	26.28	10187.11	6225.34	4458.19	10683.53	18964.96	0.56
4.64	4.78	238	2.20	32.92	12.13	2887.65	2.16	26.23	10213.34	6232.62	4431.96	10664.58	18907.37	0.56
5.77	4.78	239	2.20	33.06	12.13	2899.78	2.16	26.18	10239.52	6254.34	4405.78	10660.12	18893.86	0.56
5.80	4.78	240	2.20	33.20	12.13	2911.91	2.16	26.17	10265.68	6278.84	4379.62	10658.46	18888.85	0.56
5.82	4.76	241	2.18	33.33	12.13	2924.04	2.14	26.04	10291.72	6245.87	4353.58	10599.45	18711.69	0.57
4.11	4.75	242	2.17	33.47	12.13	2936.18	2.13	25.89	10317.61	6257.75	4327.69	10585.44	18669.80	0.57
3.18	4.74	243	2.16	33.61	12.13	2948.31	2.12	25.76	10343.37	6237.61	4301.93	10539.53	18533.13	0.57
3.25	4.72	244	2.14	33.75	12.13	2960.44	2.10	25.59	10368.96	6224.24	4276.34	10500.57	18417.61	0.57
2.74	4.71	245	2.13	33.89	12.13	2972.58	2.09	25.42	10394.38	6207.28	4250.92	10458.19	18292.47	0.57
2.60	4.70	246	2.12	34.02	12.13	2984.71	2.08	25.31	10419.69	6221.04	4225.60	10446.64	18258.49	0.57

2.15	4.69	247	2.11	34.16	12.13	2996.84	2.07	25.18	10444.88	6193.87	4200.42	10394.29	18105.15	0.57
2.33	4.68	248	2.10	34.30	12.13	3008.98	2.06	25.05	10469.93	6208.31	4175.37	10383.67	18074.19	0.57
3.82	4.66	249	2.08	34.44	12.13	3021.11	2.04	24.92	10494.85	6174.84	4150.45	10325.29	17904.55	0.58
5.01	4.66	250	2.08	34.58	12.13	3033.24	2.04	24.80	10519.65	6199.42	4125.65	10325.07	17903.91	0.58
4.76	4.66	251	2.08	34.72	12.13	3045.37	2.04	24.79	10544.44	6219.71	4100.86	10320.58	17890.97	0.58
5.44	4.66	252	2.08	34.85	12.13	3057.51	2.04	24.77	10569.20	6238.02	4076.10	10314.12	17872.42	0.58
4.82	4.66	253	2.08	34.99	12.13	3069.64	2.04	24.73	10593.93	6252.03	4051.36	10303.39	17841.76	0.58
4.89	4.65	254	2.07	35.13	12.13	3081.77	2.03	24.70	10618.63	6268.55	4026.67	10295.22	17818.48	0.58
3.53	4.64	255	2.06	35.27	12.13	3093.91	2.02	24.62	10643.25	6263.36	4002.05	10265.41	17733.91	0.58
4.43	4.64	256	2.06	35.41	12.13	3106.04	2.02	24.53	10667.78	6270.80	3977.52	10248.32	17685.62	0.58
3.75	4.60	257	2.02	35.55	12.13	3118.17	1.98	24.26	10692.04	6176.21	3953.25	10129.47	17351.07	0.58
3.44	4.59	258	2.01	35.68	12.13	3130.30	1.97	23.99	10716.03	6176.55	3929.27	10105.82	17284.77	0.58
3.22	4.58	259	2.00	35.82	12.13	3142.44	1.96	23.89	10739.92	6174.46	3905.38	10079.84	17212.20	0.59
2.99	4.57	260	1.99	35.96	12.13	3154.57	1.96	23.79	10763.71	6171.11	3881.59	10052.70	17136.69	0.59
3.53	4.57	261	1.99	36.10	12.13	3166.70	1.95	23.71	10787.42	6183.61	3857.88	10041.49	17105.61	0.59
3.91	4.56	262	1.98	36.24	12.13	3178.84	1.94	23.64	10811.06	6179.82	3834.24	10014.06	17029.88	0.59
6.08	4.56	263	1.98	36.38	12.13	3190.97	1.94	23.58	10834.64	6201.61	3810.65	10012.26	17024.94	0.59
7.07	4.55	264	1.97	36.51	12.13	3203.10	1.93	23.52	10858.16	6190.97	3787.14	9978.11	16931.38	0.59
5.72	4.55	265	1.97	36.65	12.13	3215.24	1.93	23.42	10881.58	6200.70	3763.71	9964.41	16893.97	0.59
3.82	4.54	266	1.96	36.79	12.13	3227.37	1.92	23.36	10904.95	6205.33	3740.35	9945.68	16843.03	0.59
4.14	4.54	267	1.96	36.93	12.13	3239.50	1.92	23.32	10928.27	6226.63	3717.03	9943.66	16837.56	0.59
4.84	4.54	268	1.96	37.07	12.13	3251.63	1.92	23.32	10951.59	6247.42	3693.71	9941.13	16830.74	0.59
5.36	4.54	269	1.96	37.21	12.13	3263.77	1.92	23.30	10974.89	6264.78	3670.41	9935.19	16814.75	0.59
2.92	4.53	270	1.95	37.34	12.13	3275.90	1.92	23.28	10998.16	6280.76	3647.13	9927.90	16795.22	0.59
2.39	4.52	271	1.94	37.48	12.13	3288.03	1.91	23.19	11021.36	6267.46	3623.94	9891.40	16697.81	0.59
2.88	4.52	272	1.94	37.62	12.13	3300.17	1.90	23.12	11044.48	6286.52	3600.82	9887.34	16687.01	0.59
3.04	4.52	273	1.94	37.76	12.13	3312.30	1.90	23.08	11067.56	6293.67	3577.74	9871.40	16644.79	0.59
3.01	4.49	274	1.91	37.90	12.13	3324.43	1.87	22.87	11090.43	6216.82	3554.87	9771.68	16381.54	0.60
3.98	4.49	275	1.91	38.04	12.13	3336.57	1.87	22.69	11113.12	6238.00	3532.18	9770.17	16377.57	0.60
7.32	4.48	276	1.90	38.17	12.13	3348.70	1.87	22.66	11135.78	6246.29	3509.52	9755.81	16339.93	0.60
6.56	4.48	277	1.90	38.31	12.13	3360.83	1.86	22.62	11158.39	6261.76	3486.90	9748.66	16321.26	0.60
5.69	4.47	278	1.89	38.45	12.13	3372.96	1.86	22.57	11180.97	6266.81	3464.33	9731.14	16275.67	0.60
4.97	4.46	279	1.88	38.59	12.13	3385.10	1.85	22.48	11203.45	6255.62	3441.85	9697.47	16188.38	0.60
4.11	4.45	280	1.87	38.73	12.13	3397.23	1.84	22.36	11225.81	6240.82	3419.49	9660.31	16092.41	0.60
3.63	4.45	281	1.87	38.87	12.13	3409.36	1.83	22.26	11248.06	6244.98	3397.24	9642.22	16045.83	0.60
3.26	4.43	282	1.85	39.00	12.13	3421.50	1.82	22.15	11270.21	6222.97	3375.09	9598.06	15932.57	0.60
2.64	4.43	283	1.85	39.14	12.13	3433.63	1.81	22.04	11292.25	6231.41	3353.05	9584.45	15897.80	0.60
2.80	4.43	284	1.85	39.28	12.13	3445.76	1.81	21.99	11314.24	6236.68	3331.06	9567.74	15855.22	0.60
4.19	4.41	285	1.83	39.42	12.13	3457.89	1.80	21.89	11336.13	6217.87	3309.17	9527.04	15751.93	0.60
5.63	4.41	286	1.83	39.56	12.13	3470.03	1.80	21.80	11357.93	6229.17	3287.37	9516.54	15725.39	0.61
4.92	4.38	287	1.80	39.70	12.13	3482.16	1.77	21.62	11379.55	6160.57	3265.75	9426.31	15498.01	0.61
4.79	4.37	288	1.79	39.83	12.13	3494.29	1.76	21.39	11400.94	6140.62	3244.35	9384.97	15394.19	0.61

6.55	4.37	289	1.79	39.97	12.13	3506.43	1.76	21.31	11422.25	6155.37	3223.04	9378.41	15377.78	0.61
5.45	4.35	290	1.77	40.11	12.13	3518.56	1.74	21.21	11443.47	6125.73	3201.83	9327.57	15250.96	0.61
3.58	4.33	291	1.75	40.25	12.13	3530.69	1.72	20.97	11464.44	6058.40	3180.86	9239.26	15031.49	0.61
3.30	4.32	292	1.74	40.39	12.13	3542.83	1.71	20.79	11485.23	6063.65	3160.07	9223.72	14993.01	0.62
3.51	4.31	293	1.73	40.53	12.13	3554.96	1.70	20.67	11505.90	6031.00	3139.39	9170.40	14861.38	0.62
2.89	4.30	294	1.72	40.66	12.13	3567.09	1.69	20.52	11526.43	6014.96	3118.87	9133.83	14771.43	0.62
2.13	4.29	295	1.71	40.80	12.13	3579.22	1.68	20.40	11546.83	6003.12	3098.47	9101.59	14692.38	0.62
1.84	4.29	296	1.71	40.94	12.13	3591.36	1.67	20.33	11567.16	6012.09	3078.14	9090.23	14664.63	0.62
2.97	4.29	297	1.71	41.08	12.13	3603.49	1.67	20.31	11587.47	6031.45	3057.83	9089.28	14662.31	0.62
2.70	4.28	298	1.70	41.22	12.13	3615.62	1.67	20.28	11607.75	6035.95	3037.55	9073.50	14624.02	0.62
4.74	4.28	299	1.70	41.36	12.13	3627.76	1.66	20.22	11627.97	6035.38	3017.33	9052.70	14573.72	0.62
6.42	4.27	300	1.69	41.49	12.13	3639.89	1.66	20.17	11648.14	6048.47	2997.15	9045.62	14556.64	0.62
4.68	4.27	301	1.69	41.63	12.13	3652.02	1.66	20.13	11668.27	6047.48	2977.03	9024.51	14505.92	0.62
3.84	4.27	302	1.69	41.77	12.13	3664.16	1.66	20.09	11688.36	6064.41	2956.94	9021.35	14498.36	0.62
4.26	4.26	303	1.68	41.91	12.13	3676.29	1.65	20.05	11708.40	6063.87	2936.89	9000.76	14449.22	0.62
3.11	4.26	304	1.68	42.05	12.13	3688.42	1.65	20.01	11728.41	6081.63	2916.88	8998.52	14443.87	0.62
3.23	4.25	305	1.67	42.19	12.13	3700.55	1.64	19.97	11748.38	6080.00	2896.91	8976.91	14392.65	0.62
2.97	4.25	306	1.67	42.32	12.13	3712.69	1.64	19.89	11768.27	6071.10	2877.03	8948.13	14324.63	0.62
2.69	4.24	307	1.66	42.46	12.13	3724.82	1.63	19.80	11788.07	6064.59	2857.23	8921.82	14262.64	0.63
1.90	4.23	308	1.65	42.60	12.13	3736.95	1.62	19.71	11807.77	6054.26	2837.52	8891.79	14192.14	0.63
2.27	4.23	309	1.65	42.74	12.13	3749.09	1.62	19.65	11827.42	6069.45	2817.88	8887.33	14181.70	0.63
2.55	4.23	310	1.65	42.88	12.13	3761.22	1.62	19.63	11847.05	6080.92	2798.25	8879.17	14162.66	0.63
4.53	4.21	311	1.63	43.02	12.13	3773.35	1.60	19.48	11866.54	6018.93	2778.76	8797.69	13973.20	0.63
6.36	4.20	312	1.62	43.15	12.13	3785.48	1.59	19.31	11885.84	6010.16	2759.45	8769.61	13908.12	0.63
6.27	4.19	313	1.61	43.29	12.13	3797.62	1.58	19.23	11905.08	6009.63	2740.22	8749.85	13862.48	0.63
5.63	4.19	314	1.61	43.43	12.13	3809.75	1.58	19.19	11924.27	6024.26	2721.03	8745.29	13851.96	0.63
3.53	4.18	315	1.60	43.57	12.13	3821.88	1.57	19.14	11943.41	6017.06	2701.88	8718.95	13791.49	0.63
4.03	4.18	316	1.60	43.71	12.13	3834.02	1.57	19.10	11962.51	6032.89	2682.79	8715.68	13784.01	0.63
3.74	4.18	317	1.60	43.85	12.13	3846.15	1.57	19.05	11981.56	6028.15	2663.73	8691.88	13729.72	0.63
3.61	4.17	318	1.59	43.98	12.13	3858.28	1.56	18.96	12000.52	6009.02	2644.78	8653.80	13643.12	0.63
2.67	4.16	319	1.58	44.12	12.13	3870.42	1.55	18.85	12019.37	6000.14	2625.93	8626.06	13580.25	0.64
2.79	4.16	320	1.58	44.26	12.13	3882.55	1.55	18.79	12038.16	6007.26	2607.13	8614.39	13553.88	0.64
3.66	4.15	321	1.57	44.40	12.13	3894.68	1.54	18.74	12056.90	6004.06	2588.40	8592.46	13504.47	0.64
4.98	4.14	322	1.56	44.54	12.13	3906.81	1.53	18.65	12075.55	5988.76	2569.74	8558.50	13428.20	0.64
4.28	4.14	323	1.56	44.67	12.13	3918.95	1.53	18.57	12094.13	5991.74	2551.17	8542.91	13393.30	0.64
8.11	4.13	324	1.55	44.81	12.13	3931.08	1.52	18.49	12112.62	5973.62	2532.68	8506.30	13311.59	0.64
6.40	4.12	325	1.54	44.95	12.13	3943.21	1.51	18.41	12131.03	5973.56	2514.27	8487.83	13270.49	0.64
4.25	4.12	326	1.54	45.09	12.13	3955.35	1.51	18.35	12149.38	5974.43	2495.91	8470.34	13231.70	0.64
3.10	4.11	327	1.53	45.23	12.13	3967.48	1.51	18.30	12167.68	5973.38	2477.62	8451.00	13188.93	0.64
3.72	4.11	328	1.53	45.37	12.13	3979.61	1.50	18.24	12185.92	5973.97	2459.38	8433.35	13150.02	0.64
3.25	4.11	329	1.53	45.50	12.13	3991.75	1.50	18.21	12204.13	5992.05	2441.16	8433.22	13149.74	0.64
2.39	4.11	330	1.53	45.64	12.13	4003.88	1.50	18.21	12222.35	6009.96	2422.95	8432.91	13149.06	0.64

1.94	4.11	331	1.53	45.78	12.13	4016.01	1.50	18.19	12240.53	6010.90	2404.77	8415.67	13111.40	0.64
2.42	4.10	332	1.52	45.92	12.13	4028.14	1.49	18.10	12258.63	5989.06	2386.67	8375.72	13024.39	0.64
3.53	4.09	333	1.51	46.06	12.13	4040.28	1.48	17.99	12276.62	5975.10	2368.67	8343.77	12955.02	0.64
4.47	4.08	334	1.50	46.20	12.13	4052.41	1.47	17.88	12294.51	5953.30	2350.79	8304.09	12869.10	0.65
5.28	4.07	335	1.49	46.33	12.13	4064.54	1.46	17.80	12312.30	5953.28	2332.99	8286.27	12830.65	0.65
7.50	4.07	336	1.49	46.47	12.13	4076.68	1.46	17.75	12330.05	5955.61	2315.25	8270.86	12797.48	0.65
6.69	4.06	337	1.48	46.61	12.13	4088.81	1.45	17.69	12347.74	5946.82	2297.56	8244.38	12740.67	0.65
4.21	4.06	338	1.48	46.75	12.13	4100.94	1.45	17.63	12365.37	5953.77	2279.93	8233.69	12717.81	0.65
4.11	4.04	339	1.46	46.89	12.13	4113.07	1.44	17.52	12382.89	5906.85	2262.41	8169.26	12580.37	0.65
3.27	4.04	340	1.46	47.03	12.13	4125.21	1.43	17.39	12400.28	5902.38	2245.02	8147.39	12533.87	0.65
3.23	4.04	341	1.46	47.16	12.13	4137.34	1.43	17.35	12417.63	5910.89	2227.67	8138.56	12515.13	0.65
2.91	4.03	342	1.45	47.30	12.13	4149.47	1.43	17.32	12434.95	5918.50	2210.35	8128.85	12494.61	0.65
2.44	4.03	343	1.45	47.44	12.13	4161.61	1.43	17.30	12452.25	5932.41	2193.05	8125.46	12487.46	0.65
1.90	4.03	344	1.45	47.58	12.13	4173.74	1.43	17.29	12469.54	5948.93	2175.76	8124.69	12485.84	0.65
2.26	4.03	345	1.45	47.72	12.13	4185.87	1.42	17.26	12486.81	5946.61	2158.49	8105.10	12444.79	0.65
3.54	4.01	346	1.43	47.86	12.13	4198.01	1.40	17.14	12503.95	5896.62	2141.35	8037.97	12304.50	0.65
4.33	4.00	347	1.42	47.99	12.13	4210.14	1.39	16.97	12520.92	5866.21	2124.38	7990.58	12205.76	0.65
5.66	3.99	348	1.41	48.13	12.13	4222.27	1.38	16.84	12537.76	5835.08	2107.54	7942.62	12106.11	0.66
5.27	3.98	349	1.40	48.27	12.13	4234.40	1.38	16.73	12554.48	5823.34	2090.81	7914.15	12047.14	0.66
4.71	3.98	350	1.40	48.41	12.13	4246.54	1.37	16.67	12571.15	5828.25	2074.15	7902.40	12022.85	0.66
4.29	3.98	351	1.40	48.55	12.13	4258.67	1.37	16.65	12587.80	5839.97	2057.50	7897.47	12012.70	0.66
3.57	3.97	352	1.39	48.69	12.13	4270.80	1.37	16.61	12604.41	5836.85	2040.89	7877.74	11972.18	0.66
2.41	3.96	353	1.38	48.82	12.13	4282.94	1.36	16.51	12620.92	5804.81	2024.38	7829.19	11872.73	0.66
2.64	3.95	354	1.37	48.96	12.13	4295.07	1.35	16.39	12637.31	5779.64	2007.99	7787.63	11787.86	0.66
1.50	3.95	355	1.37	49.10	12.13	4307.20	1.34	16.32	12653.63	5792.41	1991.67	7784.08	11780.63	0.66
1.46	3.95	356	1.37	49.24	12.13	4319.34	1.34	16.30	12669.92	5795.14	1975.37	7770.51	11753.07	0.66
1.93	3.92	357	1.34	49.38	12.13	4331.47	1.32	16.13	12686.06	5708.61	1959.24	7667.85	11545.14	0.66
1.94	3.91	358	1.33	49.52	12.13	4343.60	1.31	15.93	12701.99	5681.84	1943.31	7625.15	11458.90	0.67
5.11	3.91	359	1.33	49.65	12.13	4355.73	1.30	15.85	12717.84	5681.46	1927.46	7608.92	11426.23	0.67
5.12	3.91	360	1.33	49.79	12.13	4367.87	1.30	15.82	12733.66	5695.60	1911.64	7607.23	11422.84	0.67
5.93	3.91	361	1.33	49.93	12.13	4380.00	1.30	15.81	12749.48	5705.84	1895.82	7601.66	11411.69	0.67
4.72	3.90	362	1.32	50.07	12.13	4392.13	1.30	15.76	12765.24	5688.88	1880.06	7568.94	11346.33	0.67
3.62	3.90	363	1.32	50.21	12.13	4404.27	1.29	15.71	12780.95	5703.45	1864.35	7567.80	11344.05	0.67
3.09	3.89	364	1.31	50.35	12.13	4416.40	1.29	15.66	12796.61	5680.76	1848.69	7529.45	11267.89	0.67
2.80	3.89	365	1.31	50.48	12.13	4428.53	1.28	15.59	12812.20	5683.44	1833.10	7516.54	11242.32	0.67
2.48	3.88	366	1.30	50.62	12.13	4440.66	1.28	15.54	12827.73	5673.30	1817.56	7490.87	11191.60	0.67
1.96	3.88	367	1.30	50.76	12.13	4452.80	1.27	15.47	12843.20	5665.35	1802.10	7467.45	11145.46	0.67
2.56	3.86	368	1.28	50.90	12.13	4464.93	1.25	15.33	12858.53	5603.41	1786.76	7390.17	10993.65	0.67
2.71	3.85	369	1.27	51.04	12.13	4477.06	1.24	15.15	12873.68	5559.84	1771.62	7331.45	10878.60	0.67
4.43	3.84	370	1.26	51.18	12.13	4489.20	1.24	15.05	12888.74	5565.44	1756.56	7322.00	10860.13	0.67
5.57	3.84	371	1.26	51.31	12.13	4501.33	1.24	15.04	12903.78	5579.31	1741.52	7320.83	10857.85	0.67
7.07	3.84	372	1.26	51.45	12.13	4513.46	1.24	15.04	12918.81	5592.58	1726.49	7319.07	10854.42	0.67

7.23	3.84	373	1.26	51.59	12.13	4525.60	1.24	15.02	12933.83	5594.92	1711.47	7306.39	10829.85	0.67
4.10	3.83	374	1.25	51.73	12.13	4537.73	1.22	14.91	12948.74	5545.27	1696.56	7241.83	10705.05	0.68
2.71	3.82	375	1.24	51.87	12.13	4549.86	1.22	14.82	12963.56	5555.76	1681.73	7237.50	10696.70	0.68
3.19	3.82	376	1.24	52.01	12.13	4561.99	1.22	14.81	12978.38	5569.45	1666.92	7236.37	10694.53	0.68
3.46	3.82	377	1.24	52.14	12.13	4574.13	1.22	14.78	12993.16	5559.69	1652.14	7211.83	10647.47	0.68
2.96	3.82	378	1.24	52.28	12.13	4586.26	1.21	14.73	13007.88	5558.72	1637.41	7196.14	10617.45	0.68
1.93	3.80	379	1.22	52.42	12.13	4598.39	1.19	14.59	13022.48	5489.52	1622.82	7112.34	10457.60	0.68
2.56	3.79	380	1.21	52.56	12.13	4610.53	1.19	14.45	13036.93	5481.62	1608.36	7089.99	10415.08	0.68
3.46	3.79	381	1.21	52.70	12.13	4622.66	1.19	14.41	13051.34	5481.51	1593.96	7075.46	10387.53	0.68
4.54	3.78	382	1.20	52.84	12.13	4634.79	1.18	14.33	13065.67	5454.08	1579.63	7033.71	10308.50	0.68
6.08	3.77	383	1.19	52.97	12.13	4646.93	1.17	14.24	13079.91	5438.49	1565.39	7003.88	10252.20	0.68
7.08	3.77	384	1.19	53.11	12.13	4659.06	1.16	14.16	13094.07	5423.83	1551.23	6975.06	10197.94	0.68
7.80	3.76	385	1.18	53.25	12.13	4671.19	1.16	14.10	13108.17	5419.00	1537.13	6956.12	10162.38	0.68
4.65	3.76	386	1.18	53.39	12.13	4683.32	1.15	14.03	13122.21	5400.11	1523.09	6923.20	10100.72	0.69
3.35	3.75	387	1.17	53.53	12.13	4695.46	1.15	13.97	13136.17	5398.43	1509.12	6907.55	10071.49	0.69
3.36	3.75	388	1.17	53.67	12.13	4707.59	1.15	13.93	13150.10	5395.82	1495.19	6891.02	10040.68	0.69
4.38	3.75	389	1.17	53.80	12.13	4719.72	1.15	13.91	13164.01	5409.17	1481.29	6890.46	10039.65	0.69
3.09	3.74	390	1.16	53.94	12.13	4731.86	1.14	13.87	13177.88	5397.97	1467.42	6865.39	9993.17	0.69
2.38	3.74	391	1.16	54.08	12.13	4743.99	1.14	13.84	13191.72	5409.29	1453.58	6862.87	9988.51	0.69
1.93	3.73	392	1.15	54.22	12.13	4756.12	1.13	13.77	13205.49	5374.35	1439.81	6814.16	9898.68	0.69
2.16	3.73	393	1.15	54.36	12.13	4768.25	1.13	13.70	13219.19	5380.04	1426.11	6806.14	9883.93	0.69
3.86	3.73	394	1.15	54.50	12.13	4780.39	1.13	13.67	13232.86	5378.20	1412.44	6790.63	9855.48	0.69
5.67	3.73	395	1.15	54.63	12.13	4792.52	1.12	13.64	13246.51	5386.24	1398.79	6785.04	9845.23	0.69
6.63	3.72	396	1.14	54.77	12.13	4804.65	1.12	13.60	13260.10	5370.68	1385.19	6755.88	9792.00	0.69
6.35	3.71	397	1.13	54.91	12.13	4816.79	1.11	13.53	13273.64	5362.13	1371.66	6733.79	9751.79	0.69
4.66	3.71	398	1.13	55.05	12.13	4828.92	1.11	13.48	13287.12	5354.50	1358.18	6712.68	9713.44	0.69
2.69	3.69	399	1.11	55.19	12.13	4841.05	1.09	13.35	13300.47	5286.91	1344.83	6631.73	9566.79	0.69
2.85	3.69	400	1.11	55.33	12.13	4853.19	1.08	13.21	13313.68	5264.06	1331.62	6595.68	9501.63	0.69
4.07	3.67	401	1.09	55.46	12.13	4865.32	1.07	13.09	13326.76	5217.72	1318.54	6536.26	9394.50	0.70
2.93	3.67	402	1.09	55.60	12.13	4877.45	1.07	13.01	13339.77	5229.94	1305.52	6535.47	9393.08	0.70
2.00	3.67	403	1.09	55.74	12.13	4889.58	1.07	12.98	13352.75	5219.78	1292.54	6512.33	9351.57	0.70
2.33	3.66	404	1.08	55.88	12.13	4901.72	1.06	12.91	13365.67	5201.33	1279.63	6480.96	9295.45	0.70
4.30	3.66	405	1.08	56.02	12.13	4913.85	1.06	12.87	13378.53	5208.58	1266.76	6475.34	9285.41	0.70
6.10	3.64	406	1.06	56.15	12.13	4925.98	1.04	12.73	13391.27	5117.99	1254.03	6372.02	9101.46	0.70
5.88	3.63	407	1.05	56.29	12.13	4938.12	1.03	12.56	13403.83	5094.34	1241.47	6335.81	9037.13	0.70
6.74	3.63	408	1.05	56.43	12.13	4950.25	1.03	12.50	13416.33	5091.80	1228.97	6320.77	9010.49	0.70
6.73	3.62	409	1.04	56.57	12.13	4962.38	1.02	12.44	13428.76	5069.15	1216.53	6285.68	8948.47	0.70
5.37	3.61	410	1.03	56.71	12.13	4974.52	1.01	12.33	13441.09	5027.07	1204.21	6231.28	8852.55	0.70
3.34	3.59	411	1.01	56.85	12.13	4986.65	0.99	12.17	13453.26	4961.43	1192.04	6153.47	8715.70	0.71
2.82	3.59	412	1.01	56.98	12.13	4998.78	0.99	12.06	13465.32	4966.22	1179.98	6146.20	8702.94	0.71
4.23	3.59	413	1.01	57.12	12.13	5010.91	0.99	12.04	13477.37	4970.77	1167.93	6138.70	8689.83	0.71
2.96	3.59	414	1.01	57.26	12.13	5023.05	0.99	12.03	13489.40	4981.85	1155.90	6137.75	8688.16	0.71

2.37	3.58	415	1.00	57.40	12.13	5035.18	0.98	11.99	13501.39	4957.83	1143.91	6101.73	8625.42	0.71
3.40	3.57	416	0.99	57.54	12.13	5047.31	0.97	11.88	13513.27	4914.25	1132.03	6046.28	8529.06	0.71
3.80	3.57	417	0.99	57.68	12.13	5059.45	0.97	11.80	13525.08	4919.01	1120.22	6039.23	8516.84	0.71
3.75	3.57	418	0.99	57.81	12.13	5071.58	0.97	11.77	13536.85	4910.45	1108.45	6018.90	8481.69	0.71
3.45	3.56	419	0.98	57.95	12.13	5083.71	0.96	11.71	13548.55	4888.58	1096.74	5985.32	8423.75	0.71
5.77	3.56	420	0.98	58.09	12.13	5095.84	0.96	11.65	13560.21	4888.06	1085.09	5973.15	8402.80	0.71
4.69	3.55	421	0.97	58.23	12.13	5107.98	0.95	11.59	13571.80	4862.21	1073.50	5935.70	8338.51	0.71
4.83	3.54	422	0.96	58.37	12.13	5120.11	0.94	11.50	13583.30	4833.84	1061.99	5895.83	8270.21	0.71
2.70	3.54	423	0.96	58.51	12.13	5132.24	0.94	11.44	13594.74	4829.14	1050.56	5879.70	8242.65	0.71
2.07	3.54	424	0.96	58.64	12.13	5144.38	0.94	11.39	13606.13	4820.14	1039.17	5859.30	8207.87	0.71
2.33	3.53	425	0.95	58.78	12.13	5156.51	0.94	11.36	13617.50	4828.39	1027.80	5856.20	8202.59	0.71
2.34	3.53	426	0.95	58.92	12.13	5168.64	0.94	11.36	13628.85	4836.01	1016.45	5852.45	8196.24	0.71
1.63	3.53	427	0.95	59.06	12.13	5180.78	0.93	11.34	13640.19	4833.63	1005.11	5838.74	8173.02	0.71
1.06	3.53	428	0.95	59.20	12.13	5192.91	0.93	11.29	13651.48	4823.45	993.81	5817.26	8136.75	0.71
1.98	3.53	429	0.95	59.34	12.13	5205.04	0.93	11.26	13662.74	4827.05	982.55	5809.60	8123.84	0.72
2.19	3.53	430	0.95	59.47	12.13	5217.17	0.93	11.25	13673.99	4837.02	971.30	5808.32	8121.69	0.72
4.29	3.51	431	0.93	59.61	12.13	5229.31	0.92	11.19	13685.18	4794.13	960.12	5754.25	8031.01	0.72
6.23	3.51	432	0.93	59.75	12.13	5241.44	0.91	11.07	13696.25	4761.85	949.04	5710.89	7958.46	0.72
9.49	3.48	433	0.90	59.89	12.13	5253.57	0.89	10.88	13707.13	4650.20	938.16	5588.36	7753.91	0.72
5.36	3.48	434	0.90	60.03	12.13	5265.71	0.88	10.72	13717.85	4642.83	927.44	5570.28	7723.79	0.72
3.00	3.46	435	0.88	60.17	12.13	5277.84	0.87	10.62	13728.47	4581.77	916.83	5498.60	7604.69	0.72
3.02	3.46	436	0.88	60.30	12.13	5289.97	0.87	10.53	13738.99	4585.87	906.30	5492.17	7594.03	0.72
4.56	3.46	437	0.88	60.44	12.13	5302.11	0.86	10.48	13749.48	4564.42	895.82	5460.24	7541.21	0.72
3.95	3.45	438	0.87	60.58	12.13	5314.24	0.86	10.43	13759.90	4561.37	885.39	5446.76	7518.97	0.72
2.83	3.45	439	0.87	60.72	12.13	5326.37	0.86	10.40	13770.31	4562.83	874.99	5437.82	7504.24	0.72
3.35	3.45	440	0.87	60.86	12.13	5338.50	0.85	10.36	13780.67	4546.77	864.63	5411.39	7460.83	0.73
4.60	3.44	441	0.86	61.00	12.13	5350.64	0.84	10.29	13790.96	4516.98	854.34	5371.32	7395.15	0.73
5.67	3.43	442	0.85	61.13	12.13	5362.77	0.83	10.16	13801.12	4456.41	844.17	5300.58	7279.47	0.73
8.44	3.42	443	0.84	61.27	12.13	5374.90	0.83	10.07	13811.19	4454.44	834.11	5288.55	7259.84	0.73
7.34	3.42	444	0.84	61.41	12.13	5387.04	0.83	10.03	13821.23	4446.03	824.07	5270.10	7229.80	0.73
6.93	3.42	445	0.84	61.55	12.13	5399.17	0.82	9.99	13831.22	4438.18	814.08	5252.26	7200.83	0.73
4.48	3.42	446	0.84	61.69	12.13	5411.30	0.82	9.97	13841.19	4445.91	804.11	5250.01	7197.19	0.73
3.22	3.40	447	0.82	61.83	12.13	5423.43	0.80	9.86	13851.05	4358.46	794.25	5152.71	7039.84	0.73
4.19	3.40	448	0.82	61.96	12.13	5435.57	0.80	9.73	13860.78	4347.54	784.52	5132.06	7006.53	0.73
4.41	3.39	449	0.81	62.10	12.13	5447.70	0.79	9.64	13870.42	4303.44	774.88	5078.31	6920.00	0.73
3.82	3.37	450	0.79	62.24	12.13	5459.83	0.78	9.52	13879.94	4250.66	765.36	5016.02	6819.95	0.74
3.46	3.37	451	0.79	62.38	12.13	5471.97	0.78	9.43	13889.37	4250.21	755.93	5006.13	6804.10	0.74
3.20	3.36	452	0.78	62.52	12.13	5484.10	0.77	9.37	13898.74	4209.09	746.56	4955.65	6723.37	0.74
3.32	3.36	453	0.78	62.66	12.13	5496.23	0.76	9.28	13908.02	4189.27	737.28	4926.55	6676.94	0.74
5.12	3.36	454	0.78	62.79	12.13	5508.37	0.76	9.24	13917.26	4193.35	728.04	4921.39	6668.72	0.74
5.54	3.36	455	0.78	62.93	12.13	5520.50	0.76	9.23	13926.49	4198.37	718.80	4917.18	6662.03	0.74
7.46	3.35	456	0.77	63.07	12.13	5532.63	0.76	9.22	13935.71	4200.03	709.58	4909.61	6650.04	0.74



6.78	3.35	457	0.77	63.21	12.13	5544.76	0.76	9.21	13944.92	4204.60	700.38	4904.98	6642.72	0.74
4.18	3.35	458	0.77	63.35	12.13	5556.90	0.76	9.19	13954.11	4203.53	691.19	4894.72	6626.53	0.74
3.48	3.35	459	0.77	63.49	12.13	5569.03	0.76	9.17	13963.28	4207.51	682.02	4889.53	6618.36	0.74
4.23	3.35	460	0.77	63.62	12.13	5581.16	0.75	9.14	13972.42	4195.78	672.87	4868.66	6585.55	0.74
4.29	3.34	461	0.76	63.76	12.13	5593.30	0.74	9.08	13981.50	4165.10	663.80	4828.90	6523.22	0.74
2.96	3.34	462	0.76	63.90	12.13	5605.43	0.74	9.02	13990.52	4163.03	654.77	4817.80	6505.86	0.74
2.55	3.33	463	0.75	64.04	12.13	5617.56	0.73	8.96	13999.49	4128.71	645.81	4774.52	6438.29	0.74
2.04	3.32	464	0.74	64.18	12.13	5629.70	0.73	8.89	14008.38	4110.97	636.92	4747.89	6396.81	0.74
2.35	3.31	465	0.73	64.32	12.13	5641.83	0.72	8.77	14017.15	4038.21	628.15	4666.36	6270.08	0.74
3.42	3.30	466	0.72	64.45	12.13	5653.96	0.71	8.62	14025.77	3989.82	619.53	4609.34	6181.65	0.75
4.99	3.30	467	0.72	64.59	12.13	5666.09	0.71	8.56	14034.33	3998.34	610.96	4609.31	6181.59	0.75
5.29	3.28	468	0.70	64.73	12.13	5678.23	0.69	8.45	14042.79	3903.73	602.51	4506.24	6022.41	0.75
8.68	3.27	469	0.69	64.87	12.13	5690.36	0.68	8.30	14051.09	3876.85	594.21	4471.05	5968.19	0.75
5.10	3.27	470	0.69	65.01	12.13	5702.49	0.68	8.25	14059.34	3872.37	585.96	4458.32	5948.62	0.75
3.59	3.26	471	0.68	65.15	12.13	5714.63	0.67	8.17	14067.51	3817.32	577.78	4395.10	5851.60	0.75
3.39	3.25	472	0.67	65.28	12.13	5726.76	0.66	8.06	14075.58	3785.66	569.72	4355.38	5790.77	0.75
3.07	3.25	473	0.67	65.42	12.13	5738.89	0.66	8.01	14083.59	3787.41	561.71	4349.12	5781.21	0.75
2.92	3.25	474	0.67	65.56	12.13	5751.02	0.66	7.98	14091.57	3772.92	553.72	4326.64	5746.93	0.75
2.76	3.24	475	0.66	65.70	12.13	5763.16	0.65	7.91	14099.48	3731.37	545.82	4277.19	5671.68	0.75
2.17	3.24	476	0.66	65.84	12.13	5775.29	0.65	7.85	14107.34	3738.07	537.96	4276.03	5669.93	0.75
2.27	3.24	477	0.66	65.98	12.13	5787.42	0.65	7.84	14115.18	3736.71	530.12	4266.83	5655.99	0.75
3.03	3.24	478	0.66	66.11	12.13	5799.56	0.64	7.82	14123.00	3732.04	522.30	4254.34	5637.10	0.75
5.43	3.23	479	0.65	66.25	12.13	5811.69	0.64	7.78	14130.78	3710.55	514.52	4225.08	5592.94	0.76
5.90	3.23	480	0.65	66.39	12.13	5823.82	0.64	7.73	14138.51	3704.78	506.79	4211.56	5572.60	0.76
8.71	3.23	481	0.65	66.53	12.13	5835.96	0.63	7.71	14146.22	3704.25	499.08	4203.33	5560.23	0.76
5.26	3.23	482	0.65	66.67	12.13	5848.09	0.63	7.70	14153.92	3707.36	491.38	4198.75	5553.35	0.76
3.37	3.22	483	0.64	66.80	12.13	5860.22	0.63	7.68	14161.59	3699.11	483.71	4182.82	5529.52	0.76
2.51	3.22	484	0.64	66.94	12.13	5872.35	0.63	7.64	14169.23	3692.27	476.06	4168.34	5507.89	0.76
2.78	3.21	485	0.63	67.08	12.13	5884.49	0.62	7.55	14176.79	3628.18	468.51	4096.68	5401.12	0.76
3.02	3.21	486	0.63	67.22	12.13	5896.62	0.62	7.47	14184.26	3627.08	461.04	4088.12	5388.38	0.76
2.38	3.20	487	0.62	67.36	12.13	5908.75	0.61	7.44	14191.70	3613.52	453.59	4067.11	5357.20	0.76
1.83	3.20	488	0.62	67.50	12.13	5920.89	0.61	7.39	14199.09	3592.82	446.20	4039.03	5315.61	0.76
2.20	3.19	489	0.61	67.63	12.13	5933.02	0.60	7.33	14206.43	3570.74	438.87	4009.61	5272.14	0.76
4.78	3.19	490	0.61	67.77	12.13	5945.15	0.59	7.25	14213.68	3531.37	431.62	3962.99	5203.37	0.76
5.97	3.18	491	0.60	67.91	12.13	5957.29	0.59	7.20	14220.88	3534.93	424.41	3959.34	5198.00	0.76
8.04	3.18	492	0.60	68.05	12.13	5969.42	0.59	7.16	14228.04	3501.96	417.26	3919.22	5139.06	0.76
6.21	3.18	493	0.60	68.19	12.13	5981.55	0.58	7.10	14235.14	3492.40	410.15	3902.55	5114.62	0.76
5.16	3.17	494	0.59	68.33	12.13	5993.68	0.58	7.06	14242.21	3480.04	403.09	3883.13	5086.21	0.76
2.59	3.15	495	0.57	68.46	12.13	6005.82	0.56	6.93	14249.13	3370.76	396.16	3766.92	4916.54	0.77
2.58	3.13	496	0.55	68.60	12.13	6017.95	0.54	6.66	14255.80	3231.53	389.50	3621.03	4703.95	0.77
3.33	3.11	497	0.53	68.74	12.13	6030.08	0.52	6.42	14262.22	3145.33	383.08	3528.41	4569.27	0.77
3.11	3.11	498	0.53	68.88	12.13	6042.22	0.52	6.33	14268.55	3150.40	376.75	3527.15	4567.45	0.77

2.50	3.11	499	0.53	69.02	12.13	6054.35	0.52	6.32	14274.86	3146.73	370.44	3517.17	4552.99	0.77
2.60	3.10	500	0.52	69.16	12.13	6066.48	0.51	6.28	14281.14	3123.40	364.16	3487.56	4510.19	0.77
2.43	3.10	501	0.52	69.29	12.13	6078.61	0.51	6.21	14287.35	3093.43	357.95	3451.38	4457.99	0.77
3.84	3.10	502	0.52	69.43	12.13	6090.75	0.51	6.15	14293.50	3079.56	351.79	3431.36	4429.17	0.77
5.50	3.10	503	0.52	69.57	12.13	6102.88	0.51	6.13	14299.64	3084.25	345.66	3429.91	4427.10	0.77
5.54	3.09	504	0.51	69.71	12.13	6115.01	0.50	6.12	14305.76	3078.97	339.54	3418.51	4410.74	0.78
7.44	3.09	505	0.51	69.85	12.13	6127.15	0.50	6.10	14311.86	3080.87	333.44	3414.31	4404.74	0.78
4.66	3.09	506	0.51	69.99	12.13	6139.28	0.50	6.10	14317.96	3084.63	327.34	3411.97	4401.39	0.78
3.63	3.09	507	0.51	70.12	12.13	6151.41	0.50	6.08	14324.04	3071.20	321.26	3392.46	4373.58	0.78
2.85	3.09	508	0.51	70.26	12.13	6163.55	0.50	6.05	14330.09	3072.92	315.21	3388.13	4367.42	0.78
3.82	3.09	509	0.51	70.40	12.13	6175.68	0.50	6.04	14336.13	3070.69	309.17	3379.85	4355.67	0.78
4.17	3.08	510	0.50	70.54	12.13	6187.81	0.49	6.01	14342.14	3055.73	303.15	3358.88	4325.95	0.78
2.65	3.08	511	0.50	70.68	12.13	6199.94	0.49	5.98	14348.13	3053.50	297.17	3350.67	4314.34	0.78
2.50	3.07	512	0.49	70.82	12.13	6212.08	0.48	5.91	14354.04	2993.99	291.26	3285.25	4221.99	0.78
3.08	3.07	513	0.49	70.95	12.13	6224.21	0.48	5.85	14359.89	2998.60	285.41	3284.01	4220.25	0.78
3.53	3.07	514	0.49	71.09	12.13	6236.34	0.48	5.82	14365.70	2976.38	279.59	3255.97	4180.82	0.78
5.91	3.06	515	0.48	71.23	12.13	6248.48	0.47	5.77	14371.47	2959.68	273.83	3233.51	4149.30	0.78
7.32	3.06	516	0.48	71.37	12.13	6260.61	0.47	5.73	14377.20	2949.35	268.09	3217.44	4126.80	0.78
6.41	3.06	517	0.48	71.51	12.13	6272.74	0.47	5.70	14382.90	2936.83	262.40	3199.22	4101.33	0.78
4.78	3.06	518	0.48	71.65	12.13	6284.88	0.47	5.68	14388.58	2942.02	256.72	3198.73	4100.65	0.78
3.54	3.04	519	0.46	71.78	12.13	6297.01	0.45	5.56	14394.14	2820.61	251.16	3071.77	3923.86	0.78
4.01	3.03	520	0.45	71.92	12.13	6309.14	0.44	5.37	14399.51	2763.47	245.78	3009.26	3836.98	0.78
4.49	3.03	521	0.45	72.06	12.13	6321.27	0.44	5.31	14404.82	2761.04	240.48	3001.52	3826.24	0.78
3.76	3.02	522	0.44	72.20	12.13	6333.41	0.43	5.25	14410.07	2714.64	235.23	2949.87	3754.74	0.79
3.07	3.02	523	0.44	72.34	12.13	6345.54	0.43	5.19	14415.26	2708.34	230.04	2938.37	3738.85	0.79
2.75	3.01	524	0.43	72.48	12.13	6357.67	0.42	5.14	14420.40	2670.95	224.90	2895.85	3680.20	0.79
3.07	3.00	525	0.42	72.61	12.13	6369.81	0.41	5.04	14425.43	2611.14	219.86	2831.00	3590.94	0.79
5.08	2.99	526	0.41	72.75	12.13	6381.94	0.40	4.93	14430.37	2572.55	214.93	2787.48	3531.14	0.79
6.07	2.97	527	0.39	72.89	12.13	6394.07	0.39	4.79	14435.16	2474.91	210.14	2685.05	3390.67	0.79
7.20	2.97	528	0.39	73.03	12.13	6406.20	0.38	4.67	14439.83	2455.82	205.46	2661.29	3358.15	0.79
7.72	2.96	529	0.38	73.17	12.13	6418.34	0.37	4.60	14444.43	2405.73	200.87	2606.60	3283.43	0.79
5.74	2.96	530	0.38	73.31	12.13	6430.47	0.37	4.54	14448.97	2399.31	196.33	2595.64	3268.50	0.79
2.90	2.96	531	0.38	73.44	12.13	6442.60	0.37	4.53	14453.49	2401.80	191.80	2593.60	3265.72	0.79
2.69	2.96	532	0.38	73.58	12.13	6454.74	0.37	4.50	14458.00	2386.39	187.30	2573.69	3238.67	0.79
3.48	2.96	533	0.38	73.72	12.13	6466.87	0.37	4.48	14462.48	2386.83	182.82	2569.64	3233.19	0.79
3.77	2.96	534	0.38	73.86	12.13	6479.00	0.37	4.47	14466.95	2386.14	178.34	2564.48	3226.20	0.79
2.81	2.94	535	0.36	74.00	12.13	6491.14	0.35	4.36	14471.32	2277.58	173.98	2451.56	3073.66	0.80
1.92	2.93	536	0.35	74.14	12.13	6503.27	0.34	4.22	14475.53	2237.10	169.77	2406.86	3013.40	0.80
2.17	2.92	537	0.34	74.27	12.13	6515.40	0.34	4.13	14479.66	2190.72	165.64	2356.36	2945.44	0.80
3.66	2.92	538	0.34	74.41	12.13	6527.53	0.34	4.08	14483.74	2193.76	161.56	2355.32	2944.04	0.80
5.10	2.92	539	0.34	74.55	12.13	6539.67	0.33	4.07	14487.80	2186.31	157.49	2343.80	2928.60	0.80
7.26	2.92	540	0.34	74.69	12.13	6551.80	0.33	4.05	14491.86	2187.55	153.44	2340.99	2924.83	0.80

9.72	2.92	541	0.34	74.83	12.13	6563.93	0.33	4.03	14495.89	2171.90	149.41	2321.31	2898.54	0.80
4.99	2.92	542	0.34	74.97	12.13	6576.07	0.33	4.01	14499.90	2174.65	145.39	2320.05	2896.86	0.80
3.69	2.92	543	0.34	75.10	12.13	6588.20	0.33	4.01	14503.92	2177.42	141.38	2318.80	2895.21	0.80
3.36	2.91	544	0.33	75.24	12.13	6600.33	0.32	3.95	14507.86	2114.75	137.43	2252.18	2806.71	0.80
6.12	2.90	545	0.32	75.38	12.13	6612.47	0.31	3.85	14511.71	2078.35	133.58	2211.93	2753.34	0.80
4.66	2.90	546	0.32	75.52	12.13	6624.60	0.31	3.81	14515.53	2080.75	129.77	2210.52	2751.47	0.80
3.35	2.89	547	0.31	75.66	12.13	6636.73	0.31	3.78	14519.30	2045.42	126.00	2171.42	2699.80	0.80
2.33	2.89	548	0.31	75.80	12.13	6648.86	0.30	3.71	14523.02	2021.79	122.28	2144.07	2663.74	0.80
3.57	2.88	549	0.30	75.93	12.13	6661.00	0.30	3.64	14526.66	1971.77	118.64	2090.41	2593.11	0.81
5.67	2.88	550	0.30	76.07	12.13	6673.13	0.29	3.57	14530.22	1947.75	115.07	2062.82	2556.86	0.81
5.79	2.87	551	0.29	76.21	12.13	6685.26	0.29	3.52	14533.74	1929.07	111.55	2040.62	2527.75	0.81
7.08	2.87	552	0.29	76.35	12.13	6697.40	0.28	3.45	14537.19	1872.88	108.11	1980.99	2449.67	0.81
6.46	2.86	553	0.28	76.49	12.13	6709.53	0.28	3.38	14540.57	1865.73	104.72	1970.46	2435.91	0.81
5.89	2.85	554	0.27	76.63	12.13	6721.66	0.26	3.27	14543.85	1759.05	101.45	1860.50	2292.48	0.81
3.10	2.85	555	0.27	76.76	12.13	6733.80	0.26	3.17	14547.02	1752.64	98.28	1850.92	2280.01	0.81
3.57	2.85	556	0.27	76.90	12.13	6745.93	0.26	3.16	14550.17	1754.12	95.13	1849.24	2277.83	0.81
3.91	2.83	557	0.25	77.04	12.13	6758.06	0.25	3.09	14553.27	1688.40	92.03	1780.43	2188.56	0.81
4.55	2.82	558	0.24	77.18	12.13	6770.19	0.24	2.96	14556.23	1612.34	89.07	1701.41	2086.22	0.82
3.25	2.82	559	0.24	77.32	12.13	6782.33	0.24	2.88	14559.11	1607.96	86.19	1694.15	2076.83	0.82
2.53	2.82	560	0.24	77.46	12.13	6794.46	0.23	2.86	14561.96	1587.74	83.33	1671.07	2047.05	0.82
3.09	2.81	561	0.23	77.59	12.13	6806.59	0.23	2.82	14564.78	1568.85	80.52	1649.37	2019.09	0.82
4.12	2.81	562	0.23	77.73	12.13	6818.73	0.23	2.78	14567.56	1554.33	77.74	1632.07	1996.85	0.82
4.55	2.81	563	0.23	77.87	12.13	6830.86	0.23	2.76	14570.32	1549.32	74.98	1624.29	1986.87	0.82
4.79	2.81	564	0.23	78.01	12.13	6842.99	0.23	2.74	14573.07	1543.86	72.23	1616.09	1976.36	0.82
5.16	2.81	565	0.23	78.15	12.13	6855.12	0.23	2.74	14575.80	1545.99	69.50	1615.49	1975.59	0.82
4.80	2.80	566	0.22	78.28	12.13	6867.26	0.22	2.70	14578.50	1507.30	66.80	1574.10	1922.74	0.82
3.51	2.80	567	0.22	78.42	12.13	6879.39	0.21	2.63	14581.13	1469.50	64.17	1533.67	1871.21	0.82
2.72	2.80	568	0.22	78.56	12.13	6891.52	0.21	2.59	14583.72	1468.31	61.58	1529.89	1866.40	0.82
2.81	2.80	569	0.22	78.70	12.13	6903.66	0.21	2.57	14586.29	1457.81	59.01	1516.81	1849.80	0.82
2.68	2.79	570	0.21	78.84	12.13	6915.79	0.21	2.54	14588.83	1432.04	56.47	1488.51	1813.91	0.82
1.49	2.78	571	0.20	78.98	12.13	6927.92	0.20	2.47	14591.29	1382.42	54.00	1436.42	1748.00	0.82
1.45	2.78	572	0.20	79.11	12.13	6940.06	0.19	2.38	14593.68	1339.34	51.62	1390.96	1690.56	0.82
1.84	2.78	573	0.20	79.25	12.13	6952.19	0.19	2.34	14596.02	1340.70	49.28	1389.98	1689.32	0.82
2.68	2.77	574	0.19	79.39	12.13	6964.32	0.19	2.30	14598.32	1298.81	46.98	1345.79	1633.70	0.82
5.63	2.76	575	0.18	79.53	12.13	6976.45	0.17	2.18	14600.49	1201.65	44.80	1246.46	1508.86	0.83
7.65	2.75	576	0.17	79.67	12.13	6988.59	0.17	2.09	14602.58	1198.96	42.72	1241.68	1502.87	0.83
7.18	2.75	577	0.17	79.81	12.13	7000.72	0.17	2.08	14604.66	1199.23	40.64	1239.87	1500.60	0.83
5.10	2.75	578	0.17	79.94	12.13	7012.85	0.17	2.08	14606.74	1198.65	38.56	1237.22	1497.28	0.83
2.96	2.75	579	0.17	80.08	12.13	7024.99	0.16	2.03	14608.76	1145.03	36.54	1181.56	1427.82	0.83
3.06	2.74	580	0.16	80.22	12.13	7037.12	0.16	1.95	14610.71	1115.35	34.59	1149.94	1388.42	0.83
3.89	2.74	581	0.16	80.36	12.13	7049.25	0.16	1.92	14612.63	1109.56	32.67	1142.23	1378.83	0.83
4.49	2.73	582	0.15	80.50	12.13	7061.39	0.15	1.88	14614.51	1073.20	30.79	1103.99	1331.36	0.83

---

2.88	2.73	583	0.15	80.64	12.13	7073.52	0.15	1.82	14616.33	1047.13	28.97	1076.10	1296.79	0.83
2.27	2.73	584	0.15	80.77	12.13	7085.65	0.15	1.79	14618.11	1040.84	27.18	1068.02	1286.79	0.83
3.42	2.72	585	0.14	80.91	12.13	7097.78	0.14	1.72	14619.83	967.16	25.47	992.63	1193.66	0.83
5.93	2.71	586	0.13	81.05	12.13	7109.92	0.13	1.61	14621.44	918.38	23.86	942.24	1131.52	0.83
6.91	2.71	587	0.13	81.19	12.13	7122.05	0.13	1.56	14623.01	915.67	22.29	937.96	1126.26	0.83
9.33	2.71	588	0.13	81.33	12.13	7134.18	0.13	1.56	14624.56	913.62	20.73	934.36	1121.83	0.83
7.88	2.71	589	0.13	81.47	12.13	7146.32	0.13	1.54	14626.10	897.49	19.20	916.69	1100.15	0.83
6.01	2.70	590	0.12	81.60	12.13	7158.45	0.12	1.49	14627.59	858.44	17.71	876.15	1050.50	0.83
2.92	2.70	591	0.12	81.74	12.13	7170.58	0.12	1.43	14629.02	829.35	16.28	845.63	1013.19	0.83
3.76	2.70	592	0.12	81.88	12.13	7182.71	0.11	1.40	14630.42	822.36	14.88	837.24	1002.94	0.83
5.50	2.70	593	0.12	82.02	12.13	7194.85	0.11	1.38	14631.80	816.84	13.50	830.34	994.53	0.83
4.27	2.69	594	0.11	82.16	12.13	7206.98	0.11	1.37	14633.16	803.74	12.13	815.87	976.93	0.84
3.56	2.69	595	0.11	82.30	12.13	7219.11	0.11	1.35	14634.52	804.31	10.78	815.09	975.98	0.84
3.34	2.69	596	0.11	82.43	12.13	7231.25	0.11	1.34	14635.86	790.84	9.44	800.28	958.03	0.84
3.36	2.68	597	0.10	82.57	12.13	7243.38	0.10	1.29	14637.14	744.56	8.15	752.72	900.46	0.84
3.90	2.68	598	0.10	82.71	12.13	7255.51	0.10	1.20	14638.35	694.69	6.95	701.64	838.73	0.84
5.73	2.67	599	0.09	82.85	12.13	7267.65	0.09	1.14	14639.49	675.79	5.80	681.60	814.56	0.84
5.42	2.66	600	0.08	82.99	12.13	7279.78	0.08	1.02	14640.52	551.00	4.78	555.78	663.04	0.84
6.07	2.65	601	0.07	83.13	12.13	7291.91	0.07	0.88	14641.40	507.61	3.90	511.51	609.80	0.84
4.46	2.64	602	0.06	83.26	12.13	7304.04	0.06	0.81	14642.21	463.85	3.09	466.94	556.31	0.84
3.71	2.64	603	0.06	83.40	12.13	7316.18	0.06	0.77	14642.97	462.83	2.32	465.16	554.17	0.84
3.84	2.61	604	0.03	83.54	12.13	7328.31	0.03	0.55	14643.52	201.53	1.77	203.30	240.90	0.84
4.54	2.60	605	0.02	83.68	12.13	7340.44	0.02	0.31	14643.83	170.65	1.46	172.12	203.66	0.85
2.70	2.60	606	0.02	83.82	12.13	7352.58	0.02	0.28	14644.11	166.41	1.19	167.60	198.26	0.85
2.18	2.60	607	0.02	83.96	12.13	7364.71	0.02	0.27	14644.38	160.37	0.92	161.28	190.75	0.85
1.85	2.60	608	0.02	84.09	12.13	7376.84	0.02	0.25	14644.63	140.23	0.67	140.90	166.52	0.85
2.52	2.60	609	0.02	84.23	12.13	7388.98	0.02	0.23	14644.86	136.84	0.44	137.28	162.23	0.85
4.28	2.59	610	0.01	84.37	12.13	7401.11	0.01	0.20	14645.05	101.98	0.25	102.23	120.71	0.85
4.93	2.59	611	0.01	84.51	12.13	7413.24	0.01	0.14	14645.19	71.29	0.10	71.40	84.25	0.85
5.72	2.59	612	0.01	84.65	12.13	7425.37	0.01	0.09	14645.28	38.26	0.01	38.27	45.13	0.85

---

## Escenario ESA-2

Caudal medio mensual m <sup>3</sup> /s	Caudal medio mensual ordenado de mayor a menor m <sup>3</sup> /s	Número de orden	Caudal aprovechable ordenado. Mayor a menor	probabilidad de ocurrencia de caudal % (weibull)	Horas	Horas año	Potencia (MW)	Energía por hora (MWh)	Energía por hora año (MWh/año)	Energía Firme (MWh/año)	Energía secundaria (Mwh/año)	Energía Total (MWh/año)	Energía idealmente producida (MWh/año)	Factor de planta %
6.43	10.29	1	7.39	0.14	11.90	11.90	7.25			86.30	12203.11	12289.41	63514.67	0.19
5.23	9.72	2	6.82	0.27	11.90	23.80	6.69	82.96	82.96	159.26	12120.15	12279.41	58609.28	0.21
3.96	9.49	3	6.59	0.41	11.90	35.71	6.46	78.28	161.24	230.77	12041.87	12272.64	56615.12	0.22
5.27	9.48	4	6.58	0.54	11.90	47.61	6.46	76.89	238.13	307.40	11964.98	12272.39	56562.14	0.22
3.10	9.34	5	6.44	0.68	11.90	59.51	6.32	76.04	314.17	376.18	11888.94	12265.12	55373.41	0.22
3.36	9.33	6	6.43	0.81	11.90	71.41	6.31	75.17	389.34	450.59	11813.77	12264.36	55272.23	0.22
2.92	9.25	7	6.35	0.95	11.90	83.32	6.22	74.59	463.93	518.60	11739.18	12257.78	54526.94	0.22
4.18	9.23	8	6.33	1.09	11.90	95.22	6.21	74.01	537.94	591.45	11665.17	12256.62	54413.49	0.23
3.23	9.04	9	6.14	1.22	11.90	107.12	6.02	72.78	610.72	644.71	11592.39	12237.10	52723.13	0.23
5.89	9.03	10	6.13	1.36	11.90	119.02	6.01	71.61	682.33	715.90	11520.78	12236.68	52690.29	0.23
7.32	8.91	11	6.01	1.49	11.90	130.92	5.90	70.88	753.22	771.88	11449.90	12221.78	51645.98	0.24
7.26	8.71	12	5.81	1.63	11.90	142.83	5.70	69.02	822.24	814.42	11380.88	12195.30	49951.28	0.24
4.81	8.69	13	5.79	1.76	11.90	154.73	5.68	67.74	889.97	878.93	11313.14	12192.07	49761.20	0.25
4.16	8.68	14	5.78	1.90	11.90	166.63	5.67	67.57	957.54	945.29	11245.57	12190.86	49695.06	0.25
3.92	8.61	15	5.71	2.04	11.90	178.53	5.61	67.12	1024.66	1000.73	11178.45	12179.19	49102.73	0.25
2.60	8.49	16	5.59	2.17	11.90	190.43	5.48	65.99	1090.65	1044.24	11112.46	12156.71	48035.08	0.25
3.67	8.44	17	5.54	2.31	11.90	202.34	5.43	64.96	1155.61	1099.15	11047.50	12146.65	47586.54	0.26
3.21	8.41	18	5.51	2.44	11.90	214.24	5.40	64.49	1220.10	1157.72	10983.02	12140.74	47338.05	0.26
2.82	8.30	19	5.40	2.58	11.90	226.14	5.29	63.67	1283.76	1197.36	10919.35	12116.71	46382.08	0.26
2.20	8.11	20	5.21	2.71	11.90	238.04	5.11	61.92	1345.68	1216.26	10857.43	12073.70	44758.52	0.27
2.59	8.09	21	5.19	2.85	11.90	249.95	5.09	60.72	1406.40	1273.32	10796.71	12070.02	44626.67	0.27
6.97	8.04	22	5.14	2.99	11.90	261.85	5.04	60.32	1466.72	1319.98	10736.39	12056.38	44159.49	0.27
7.62	7.96	23	5.06	3.12	11.90	273.75	4.97	59.56	1526.28	1359.56	10676.84	12036.40	43505.92	0.28
8.09	7.93	24	5.03	3.26	11.90	285.65	4.94	58.95	1585.22	1410.72	10617.89	12028.61	43261.94	0.28
6.22	7.88	25	4.98	3.39	11.90	297.55	4.89	58.48	1643.70	1454.30	10559.42	12013.71	42814.56	0.28
4.43	7.88	26	4.98	3.53	11.90	309.46	4.88	58.14	1701.84	1510.85	10501.27	12012.13	42768.72	0.28
5.04	7.87	27	4.97	3.66	11.90	321.36	4.87	58.06	1759.89	1566.04	10443.22	12009.25	42688.96	0.28
4.87	7.86	28	4.96	3.80	11.90	333.26	4.87	57.96	1817.85	1621.70	10385.26	12006.96	42627.66	0.28
3.56	7.80	29	4.90	3.93	11.90	345.16	4.81	57.58	1875.44	1660.13	10327.68	11987.80	42132.87	0.28
2.49	7.73	30	4.83	4.07	11.90	357.07	4.74	56.85	1932.28	1693.48	10270.83	11964.31	41546.64	0.29
2.49	7.72	31	4.82	4.21	11.90	368.97	4.73	56.38	1988.66	1745.64	10214.45	11960.09	41444.96	0.29
1.62	7.65	32	4.75	4.34	11.90	380.87	4.66	55.88	2044.54	1774.40	10158.57	11932.97	40811.15	0.29
2.61	7.62	33	4.72	4.48	11.90	392.77	4.63	55.27	2099.81	1817.82	10103.30	11921.12	40542.92	0.29
5.09	7.50	34	4.60	4.61	11.90	404.67	4.52	54.41	2154.22	1827.11	10048.89	11876.00	39551.52	0.30
7.93	7.49	35	4.59	4.75	11.90	416.58	4.51	53.69	2207.92	1877.75	9995.20	11872.94	39486.37	0.30

7.12	7.46	36	4.56	4.88	11.90	428.48	4.48	53.46	2261.37	1917.50	9941.74	11859.23	39202.12	0.30
6.41	7.44	37	4.54	5.02	11.90	440.38	4.45	53.14	2314.51	1961.54	9888.60	11850.14	39018.74	0.30
3.98	7.43	38	4.53	5.16	11.90	452.28	4.44	52.95	2367.46	2009.50	9835.65	11845.15	38920.86	0.30
3.23	7.42	39	4.52	5.29	11.90	464.18	4.44	52.84	2420.31	2059.48	9782.81	11842.29	38866.10	0.30
4.26	7.41	40	4.51	5.43	11.90	476.09	4.42	52.72	2473.03	2105.51	9730.08	11835.60	38741.39	0.31
3.83	7.36	41	4.46	5.56	11.90	487.99	4.38	52.36	2525.39	2135.28	9677.73	11813.01	38330.95	0.31
2.96	7.34	42	4.44	5.70	11.90	499.89	4.35	51.94	2577.32	2175.28	9625.79	11801.07	38119.22	0.31
1.76	7.32	43	4.42	5.83	11.90	511.79	4.34	51.72	2629.04	2220.54	9574.07	11794.61	38007.36	0.31
1.82	7.32	44	4.42	5.97	11.90	523.70	4.34	51.62	2680.66	2270.60	9522.45	11793.05	37981.00	0.31
4.95	7.32	45	4.42	6.11	11.90	535.60	4.33	51.60	2732.26	2321.72	9470.85	11792.57	37972.95	0.31
5.93	7.26	46	4.36	6.24	11.90	547.50	4.28	51.24	2783.50	2341.06	9419.61	11760.67	37457.02	0.31
5.18	7.26	47	4.36	6.38	11.90	559.40	4.27	50.89	2834.39	2391.38	9368.72	11760.10	37447.97	0.31
4.92	7.25	48	4.35	6.51	11.90	571.30	4.27	50.83	2885.22	2437.09	9317.90	11754.98	37368.69	0.31
6.35	7.23	49	4.33	6.65	11.90	583.21	4.24	50.64	2935.86	2474.92	9267.25	11742.18	37174.34	0.32
4.52	7.20	50	4.30	6.78	11.90	595.11	4.22	50.34	2986.20	2509.00	9216.91	11725.91	36932.51	0.32
4.20	7.18	51	4.28	6.92	11.90	607.01	4.20	50.07	3036.28	2548.42	9166.84	11715.26	36777.27	0.32
4.18	7.12	52	4.22	7.06	11.90	618.91	4.14	49.62	3085.90	2561.89	9117.22	11679.11	36260.62	0.32
4.95	7.08	53	4.18	7.19	11.90	630.82	4.10	49.06	3134.96	2589.45	9068.16	11657.60	35959.12	0.32
3.90	7.08	54	4.18	7.33	11.90	642.72	4.10	48.85	3183.80	2637.13	9019.31	11656.43	35943.05	0.32
2.50	7.07	55	4.17	7.46	11.90	654.62	4.10	48.79	3232.59	2680.93	8970.52	11651.44	35875.65	0.32
2.57	7.07	56	4.17	7.60	11.90	666.52	4.10	48.74	3281.34	2729.41	8921.78	11651.19	35872.25	0.32
4.03	7.04	57	4.14	7.73	11.90	678.42	4.06	48.51	3329.85	2752.41	8873.26	11625.68	35539.95	0.33
5.11	6.97	58	4.07	7.87	11.90	690.33	3.99	47.90	3377.75	2756.08	8825.36	11581.44	34973.74	0.33
6.44	6.97	59	4.07	8.01	11.90	702.23	3.99	47.49	3425.24	2800.44	8777.87	11578.31	34934.28	0.33
10.29	6.93	60	4.03	8.14	11.90	714.13	3.95	47.25	3472.50	2822.62	8730.61	11553.23	34624.08	0.33
7.73	6.93	61	4.03	8.28	11.90	726.03	3.95	47.04	3519.54	2869.28	8683.57	11552.86	34619.55	0.33
5.12	6.91	62	4.01	8.41	11.90	737.93	3.94	46.94	3566.48	2904.46	8636.63	11541.09	34478.79	0.33
3.88	6.89	63	3.99	8.55	11.90	749.84	3.91	46.69	3613.17	2931.68	8589.94	11521.62	34249.41	0.34
4.35	6.78	64	3.88	8.68	11.90	761.74	3.81	45.93	3659.11	2901.37	8544.01	11445.38	33365.79	0.34
4.70	6.74	65	3.84	8.82	11.90	773.64	3.77	45.11	3704.21	2917.04	8498.90	11415.94	33029.86	0.35
2.27	6.74	66	3.84	8.96	11.90	785.54	3.77	44.86	3749.07	2959.12	8454.04	11413.16	32998.64	0.35
1.62	6.73	67	3.83	9.09	11.90	797.45	3.75	44.75	3793.82	2992.43	8409.30	11401.73	32872.11	0.35
2.87	6.69	68	3.79	9.23	11.90	809.35	3.72	44.48	3838.30	3012.62	8364.81	11377.43	32607.15	0.35
2.94	6.67	69	3.77	9.36	11.90	821.25	3.69	44.13	3882.43	3033.55	8320.68	11354.23	32357.91	0.35
6.11	6.65	70	3.75	9.50	11.90	833.15	3.67	43.85	3926.29	3061.60	8276.83	11338.42	32190.50	0.35
5.52	6.63	71	3.73	9.63	11.90	845.05	3.66	43.65	3969.94	3093.22	8233.18	11326.40	32064.93	0.35
7.43	6.62	72	3.72	9.77	11.90	856.96	3.65	43.50	4013.44	3127.87	8189.67	11317.54	31973.77	0.35
7.87	6.59	73	3.69	9.91	11.90	868.86	3.62	43.24	4056.68	3141.07	8146.44	11287.50	31668.83	0.36
3.55	6.56	74	3.66	10.04	11.90	880.76	3.59	42.86	4099.53	3158.46	8103.58	11262.04	31413.85	0.36
3.06	6.55	75	3.65	10.18	11.90	892.66	3.58	42.63	4142.16	3192.83	8060.95	11253.79	31332.33	0.36
4.25	6.51	76	3.61	10.31	11.90	904.57	3.54	42.36	4184.52	3203.68	8018.59	11222.27	31025.08	0.36
3.18	6.46	77	3.56	10.45	11.90	916.47	3.49	41.86	4226.38	3200.48	7976.73	11177.21	30591.61	0.37

1.91	6.45	78	3.55	10.58	11.90	928.37	3.48	41.51	4267.89	3232.90	7935.23	11168.13	30505.36	0.37
1.50	6.44	79	3.54	10.72	11.90	940.27	3.47	41.40	4309.29	3267.18	7893.82	11161.00	30438.50	0.37
1.73	6.43	80	3.53	10.85	11.90	952.17	3.46	41.30	4350.58	3298.89	7852.53	11151.42	30349.77	0.37
1.46	6.42	81	3.52	10.99	11.90	964.08	3.45	41.18	4391.76	3330.88	7811.35	11142.23	30265.77	0.37
4.07	6.41	82	3.51	11.13	11.90	975.98	3.44	41.06	4432.82	3361.65	7770.29	11131.94	30172.86	0.37
6.89	6.41	83	3.51	11.26	11.90	987.88	3.44	40.99	4473.81	3401.90	7729.30	11131.20	30166.25	0.37
8.41	6.41	84	3.51	11.40	11.90	999.78	3.44	40.97	4514.79	3440.35	7688.33	11128.68	30144.05	0.37
5.27	6.40	85	3.50	11.53	11.90	1011.68	3.44	40.93	4555.72	3477.53	7647.39	11124.92	30111.30	0.37
2.66	6.38	86	3.48	11.67	11.90	1023.59	3.41	40.76	4596.48	3491.48	7606.64	11098.11	29880.53	0.37
2.50	6.36	87	3.46	11.80	11.90	1035.49	3.39	40.50	4636.97	3514.21	7566.14	11080.35	29729.43	0.37
5.55	6.35	88	3.45	11.94	11.90	1047.39	3.38	40.32	4677.29	3542.01	7525.82	11067.83	29624.11	0.37
2.89	6.35	89	3.45	12.08	11.90	1059.29	3.38	40.24	4717.54	3581.11	7485.58	11066.69	29614.57	0.37
1.55	6.27	90	3.37	12.21	11.90	1071.20	3.31	39.81	4757.34	3544.11	7445.77	10989.87	28982.91	0.38
1.74	6.24	91	3.34	12.35	11.90	1083.10	3.28	39.21	4796.55	3552.16	7406.56	10958.72	28729.57	0.38
2.82	6.23	92	3.33	12.48	11.90	1095.00	3.26	38.95	4835.50	3574.70	7367.62	10942.32	28597.59	0.38
4.78	6.22	93	3.32	12.62	11.90	1106.90	3.26	38.81	4874.30	3604.61	7328.81	10933.42	28526.83	0.38
4.87	6.22	94	3.32	12.75	11.90	1118.80	3.25	38.74	4913.05	3640.01	7290.07	10930.08	28500.49	0.38
9.03	6.21	95	3.31	12.89	11.90	1130.71	3.25	38.68	4951.73	3671.01	7251.38	10922.40	28440.69	0.38
9.23	6.12	96	3.22	13.03	11.90	1142.61	3.16	38.15	4989.87	3614.56	7213.24	10827.80	27711.66	0.39
4.89	6.12	97	3.22	13.16	11.90	1154.51	3.16	37.65	5027.52	3651.53	7175.59	10827.12	27706.45	0.39
3.69	6.11	98	3.21	13.30	11.90	1166.41	3.15	37.54	5065.07	3669.47	7138.05	10807.51	27558.46	0.39
4.31	6.10	99	3.20	13.43	11.90	1178.32	3.14	37.39	5102.45	3695.71	7100.66	10796.37	27475.19	0.39
4.95	6.08	100	3.18	13.57	11.90	1190.22	3.12	37.21	5139.66	3708.74	7063.45	10772.19	27296.30	0.39
4.37	6.08	101	3.18	13.70	11.90	1202.12	3.11	37.08	5176.74	3744.28	7026.37	10770.65	27285.02	0.39
2.51	6.08	102	3.18	13.84	11.90	1214.02	3.11	37.07	5213.81	3781.28	6989.30	10770.58	27284.55	0.39
2.46	6.07	103	3.17	13.98	11.90	1225.92	3.11	37.06	5250.87	3815.77	6952.24	10768.01	27266.08	0.39
2.43	6.07	104	3.17	14.11	11.90	1237.83	3.11	37.03	5287.91	3850.09	6915.21	10765.30	27246.82	0.40
4.52	6.06	105	3.16	14.25	11.90	1249.73	3.10	36.94	5324.85	3869.97	6878.27	10748.24	27126.66	0.40
5.93	6.04	106	3.14	14.38	11.90	1261.63	3.08	36.78	5361.63	3891.17	6841.48	10732.66	27017.94	0.40
7.86	6.01	107	3.11	14.52	11.90	1273.53	3.05	36.51	5398.14	3885.29	6804.97	10690.27	26725.00	0.40
6.93	5.99	108	3.09	14.65	11.90	1285.43	3.03	36.21	5434.35	3900.05	6768.76	10668.81	26578.12	0.40
5.73	5.97	109	3.07	14.79	11.90	1297.34	3.01	35.98	5470.33	3907.03	6732.79	10639.82	26381.41	0.40
3.40	5.97	110	3.07	14.93	11.90	1309.24	3.01	35.82	5506.15	3938.40	6696.96	10635.36	26351.46	0.40
4.27	5.93	111	3.03	15.06	11.90	1321.14	2.98	35.61	5541.76	3931.50	6661.35	10592.85	26068.35	0.41
4.81	5.93	112	3.03	15.20	11.90	1333.04	2.97	35.38	5577.15	3958.88	6625.97	10584.85	26015.50	0.41
4.11	5.93	113	3.03	15.33	11.90	1344.95	2.97	35.35	5612.49	3994.03	6590.62	10584.65	26014.22	0.41
2.86	5.93	114	3.03	15.47	11.90	1356.85	2.97	35.34	5647.83	4027.62	6555.28	10582.90	26002.87	0.41
2.85	5.91	115	3.01	15.60	11.90	1368.75	2.95	35.21	5683.04	4036.04	6520.07	10556.11	25830.63	0.41
2.75	5.90	116	3.00	15.74	11.90	1380.65	2.95	35.09	5718.13	4069.84	6484.98	10554.82	25822.46	0.41
4.04	5.90	117	3.00	15.88	11.90	1392.55	2.95	35.08	5753.22	4104.65	6449.90	10554.54	25820.68	0.41
4.83	5.89	118	2.99	16.01	11.90	1404.46	2.93	35.00	5788.22	4120.89	6414.89	10535.79	25703.20	0.41
6.38	5.89	119	2.99	16.15	11.90	1416.36	2.93	34.91	5823.13	4153.19	6379.98	10533.17	25686.95	0.41

6.12	5.88	120	2.98	16.28	11.90	1428.26	2.92	34.83	5857.97	4172.30	6345.15	10517.44	25590.08	0.41
4.90	5.88	121	2.98	16.42	11.90	1440.16	2.92	34.75	5892.72	4203.31	6310.39	10513.70	25567.25	0.41
2.92	5.84	122	2.94	16.55	11.90	1452.07	2.88	34.53	5927.25	4187.79	6275.86	10463.65	25264.02	0.41
3.35	5.82	123	2.92	16.69	11.90	1463.97	2.87	34.22	5961.47	4195.17	6241.64	10436.81	25102.79	0.42
2.21	5.80	124	2.90	16.82	11.90	1475.87	2.85	34.01	5995.48	4204.85	6207.64	10412.49	24957.83	0.42
2.81	5.79	125	2.89	16.96	11.90	1487.77	2.84	33.85	6029.33	4224.36	6173.78	10398.14	24873.00	0.42
2.51	5.77	126	2.87	17.10	11.90	1499.67	2.82	33.66	6062.99	4224.61	6140.12	10364.73	24677.10	0.42
1.44	5.77	127	2.87	17.23	11.90	1511.58	2.81	33.50	6096.49	4251.22	6106.62	10357.84	24636.99	0.42
1.70	5.75	128	2.85	17.37	11.90	1523.48	2.80	33.40	6129.89	4265.72	6073.22	10338.94	24527.89	0.42
2.71	5.74	129	2.84	17.50	11.90	1535.38	2.79	33.27	6163.16	4284.00	6039.95	10323.96	24442.07	0.42
4.16	5.73	130	2.83	17.64	11.90	1547.28	2.78	33.13	6196.29	4295.69	6006.83	10302.52	24320.24	0.42
6.24	5.73	131	2.83	17.77	11.90	1559.18	2.77	33.03	6229.32	4325.69	5973.79	10299.48	24303.11	0.42
6.41	5.72	132	2.82	17.91	11.90	1571.09	2.77	33.00	6262.32	4353.69	5940.79	10294.48	24275.11	0.42
5.75	5.72	133	2.82	18.05	11.90	1582.99	2.76	32.93	6295.25	4372.74	5907.86	10280.60	24198.03	0.42
4.32	5.69	134	2.79	18.18	11.90	1594.89	2.74	32.75	6328.00	4370.85	5875.11	10245.96	24007.03	0.43
4.56	5.68	135	2.78	18.32	11.90	1606.79	2.73	32.53	6360.53	4380.71	5842.58	10223.29	23882.96	0.43
5.84	5.67	136	2.77	18.45	11.90	1618.70	2.72	32.42	6392.96	4406.30	5810.16	10216.46	23845.88	0.43
4.48	5.67	137	2.77	18.59	11.90	1630.60	2.72	32.39	6425.35	4437.21	5777.76	10214.97	23837.84	0.43
3.43	5.67	138	2.77	18.72	11.90	1642.50	2.71	32.34	6457.69	4456.63	5745.42	10202.05	23768.70	0.43
2.80	5.66	139	2.76	18.86	11.90	1654.40	2.71	32.28	6489.98	4485.70	5713.14	10198.84	23751.61	0.43
3.73	5.66	140	2.76	19.00	11.90	1666.30	2.70	32.23	6522.21	4506.57	5680.91	10187.48	23691.68	0.43
5.36	5.63	141	2.73	19.13	11.90	1678.21	2.68	32.05	6554.25	4498.81	5648.86	10147.67	23483.14	0.43
5.56	5.63	142	2.73	19.27	11.90	1690.11	2.68	31.89	6586.14	4525.67	5616.97	10142.64	23457.01	0.43
7.42	5.63	143	2.73	19.40	11.90	1702.01	2.67	31.85	6617.99	4550.46	5585.12	10135.58	23420.55	0.43
7.49	5.61	144	2.71	19.54	11.90	1713.91	2.66	31.74	6649.73	4559.29	5553.38	10112.67	23303.03	0.43
6.67	5.58	145	2.68	19.67	11.90	1725.82	2.63	31.48	6681.21	4538.94	5521.90	10060.84	23039.05	0.44
3.85	5.57	146	2.67	19.81	11.90	1737.72	2.62	31.22	6712.43	4546.00	5490.68	10036.68	22916.81	0.44
3.74	5.56	147	2.66	19.95	11.90	1749.62	2.61	31.11	6743.55	4570.04	5459.57	10029.61	22881.28	0.44
5.10	5.55	148	2.65	20.08	11.90	1761.52	2.59	30.99	6774.53	4570.99	5428.58	9999.57	22731.41	0.44
4.14	5.54	149	2.64	20.22	11.90	1773.42	2.59	30.84	6805.37	4587.22	5397.74	9984.97	22659.04	0.44
2.70	5.54	150	2.64	20.35	11.90	1785.33	2.59	30.79	6836.15	4617.95	5366.96	9984.91	22658.75	0.44
2.29	5.52	151	2.62	20.49	11.90	1797.23	2.57	30.68	6866.83	4615.70	5336.28	9951.98	22497.73	0.44
3.06	5.51	152	2.61	20.62	11.90	1809.13	2.56	30.54	6897.37	4638.71	5305.74	9944.45	22461.13	0.44
4.11	5.51	153	2.61	20.76	11.90	1821.03	2.56	30.52	6927.89	4669.21	5275.22	9944.43	22461.04	0.44
4.52	5.50	154	2.60	20.90	11.90	1832.93	2.55	30.45	6958.34	4679.33	5244.77	9924.10	22363.53	0.44
6.97	5.50	155	2.60	21.03	11.90	1844.84	2.55	30.37	6988.71	4703.75	5214.40	9918.15	22335.22	0.44
9.25	5.49	156	2.59	21.17	11.90	1856.74	2.54	30.31	7019.02	4722.15	5184.09	9906.25	22278.87	0.44
5.04	5.48	157	2.58	21.30	11.90	1868.64	2.53	30.18	7049.20	4725.53	5153.91	9879.44	22152.78	0.45
4.45	5.47	158	2.57	21.44	11.90	1880.54	2.53	30.08	7079.28	4749.64	5123.83	9873.47	22124.92	0.45
3.99	5.45	159	2.55	21.57	11.90	1892.45	2.50	29.91	7109.19	4730.87	5093.92	9824.80	21898.89	0.45
5.61	5.44	160	2.54	21.71	11.90	1904.35	2.50	29.73	7138.92	4751.44	5064.20	9815.64	21856.63	0.45
5.18	5.44	161	2.54	21.85	11.90	1916.25	2.49	29.69	7168.60	4778.37	5034.51	9812.88	21843.96	0.45



4.57	5.43	162	2.53	21.98	11.90	1928.15	2.48	29.59	7198.19	4779.38	5004.92	9784.30	21713.71	0.45
2.87	5.42	163	2.52	22.12	11.90	1940.05	2.47	29.48	7227.67	4801.07	4975.44	9776.51	21678.47	0.45
2.92	5.42	164	2.52	22.25	11.90	1951.96	2.47	29.44	7257.11	4825.98	4946.00	9771.98	21658.06	0.45
3.95	5.41	165	2.51	22.39	11.90	1963.86	2.46	29.36	7286.47	4833.75	4916.64	9750.39	21561.46	0.45
5.06	5.37	166	2.47	22.52	11.90	1975.76	2.43	29.09	7315.57	4796.06	4887.54	9683.61	21264.46	0.46
6.65	5.37	167	2.47	22.66	11.90	1987.66	2.42	28.85	7344.42	4811.49	4858.69	9670.19	21205.15	0.46
8.61	5.36	168	2.46	22.80	11.90	1999.57	2.41	28.77	7373.19	4827.97	4829.92	9657.89	21151.12	0.46
7.25	5.36	169	2.46	22.93	11.90	2011.47	2.41	28.72	7401.91	4849.16	4801.20	9650.36	21118.24	0.46
3.97	5.36	170	2.46	23.07	11.90	2023.37	2.41	28.69	7430.60	4876.61	4772.51	9649.12	21112.85	0.46
3.73	5.31	171	2.41	23.20	11.90	2035.27	2.37	28.43	7459.03	4817.92	4744.08	9562.00	20736.78	0.46
4.75	5.30	172	2.40	23.34	11.90	2047.17	2.35	28.08	7487.11	4814.32	4716.00	9530.32	20600.83	0.46
3.79	5.29	173	2.39	23.47	11.90	2059.08	2.34	27.93	7515.04	4822.16	4688.07	9510.23	20515.10	0.46
2.32	5.28	174	2.38	23.61	11.90	2070.98	2.34	27.86	7542.90	4844.32	4660.21	9504.54	20490.93	0.46
1.76	5.27	175	2.37	23.74	11.90	2082.88	2.33	27.76	7570.66	4843.31	4632.45	9475.76	20369.57	0.47
1.99	5.27	176	2.37	23.88	11.90	2094.78	2.32	27.67	7598.33	4867.71	4604.79	9472.50	20355.90	0.47
2.73	5.27	177	2.37	24.02	11.90	2106.68	2.32	27.65	7625.98	4892.16	4577.14	9469.30	20342.54	0.47
4.64	5.26	178	2.36	24.15	11.90	2118.59	2.31	27.59	7653.57	4902.13	4549.55	9451.68	20269.50	0.47
6.08	5.26	179	2.36	24.29	11.90	2130.49	2.31	27.53	7681.09	4924.32	4522.02	9446.35	20247.50	0.47
8.30	5.25	180	2.35	24.42	11.90	2142.39	2.30	27.47	7708.56	4935.68	4494.56	9430.24	20181.47	0.47
5.68	5.24	181	2.34	24.56	11.90	2154.29	2.29	27.35	7735.90	4935.99	4467.21	9403.20	20071.19	0.47
3.42	5.23	182	2.33	24.69	11.90	2166.20	2.28	27.23	7763.13	4946.82	4439.99	9386.81	20004.74	0.47
3.84	5.20	183	2.30	24.83	11.90	2178.10	2.26	27.01	7790.14	4912.79	4412.97	9325.76	19758.55	0.47
4.41	5.20	184	2.30	24.97	11.90	2190.00	2.25	26.84	7816.98	4937.15	4386.13	9323.28	19748.58	0.47
3.67	5.18	185	2.28	25.10	11.90	2201.90	2.24	26.73	7843.71	4926.52	4359.40	9285.92	19599.55	0.47
2.14	5.18	186	2.28	25.24	11.90	2213.80	2.23	26.60	7870.31	4942.25	4332.80	9275.05	19556.43	0.47
2.75	5.16	187	2.26	25.37	11.90	2225.71	2.22	26.50	7896.81	4942.72	4306.30	9249.02	19453.71	0.48
2.25	5.16	188	2.26	25.51	11.90	2237.61	2.22	26.42	7923.23	4965.65	4279.88	9245.53	19440.00	0.48
3.27	5.15	189	2.25	25.64	11.90	2249.51	2.21	26.35	7949.58	4967.09	4253.53	9220.62	19342.74	0.48
5.37	5.14	190	2.24	25.78	11.90	2261.41	2.19	26.19	7975.77	4959.09	4227.34	9186.44	19209.97	0.48
5.66	5.12	191	2.22	25.92	11.90	2273.32	2.18	26.03	8001.81	4959.47	4201.31	9160.78	19110.83	0.48
7.36	5.12	192	2.22	26.05	11.90	2285.22	2.17	25.92	8027.72	4967.15	4175.39	9142.54	19040.74	0.48
5.48	5.12	193	2.22	26.19	11.90	2297.12	2.17	25.87	8053.59	4991.75	4149.52	9141.27	19035.90	0.48
4.23	5.11	194	2.21	26.32	11.90	2309.02	2.17	25.84	8079.43	5009.90	4123.68	9133.58	19006.64	0.48
3.03	5.11	195	2.21	26.46	11.90	2320.92	2.16	25.79	8105.22	5021.80	4097.89	9119.69	18954.09	0.48
3.73	5.10	196	2.20	26.59	11.90	2332.83	2.16	25.75	8130.97	5045.41	4072.14	9117.55	18946.02	0.48
2.60	5.10	197	2.20	26.73	11.90	2344.73	2.16	25.71	8156.68	5058.59	4046.43	9105.02	18899.10	0.48
2.59	5.10	198	2.20	26.87	11.90	2356.63	2.16	25.67	8182.35	5080.52	4020.76	9101.28	18885.17	0.48
1.86	5.10	199	2.20	27.00	11.90	2368.53	2.16	25.66	8208.00	5104.66	3995.11	9099.77	18879.56	0.48
1.86	5.09	200	2.19	27.14	11.90	2380.43	2.15	25.62	8233.62	5116.80	3969.49	9086.29	18829.83	0.48
3.18	5.09	201	2.19	27.27	11.90	2392.34	2.15	25.57	8259.19	5136.32	3943.92	9080.24	18807.61	0.48
5.06	5.09	202	2.19	27.41	11.90	2404.24	2.15	25.55	8284.74	5159.06	3918.37	9077.44	18797.38	0.48
5.41	5.08	203	2.18	27.54	11.90	2416.14	2.14	25.49	8310.22	5162.70	3892.89	9055.59	18717.97	0.48

7.41	5.07	204	2.17	27.68	11.90	2428.04	2.13	25.37	8335.59	5161.52	3867.52	9029.04	18621.94	0.48
4.92	5.06	205	2.16	27.82	11.90	2439.95	2.12	25.26	8360.85	5168.77	3842.26	9011.04	18557.16	0.49
3.24	5.06	206	2.16	27.95	11.90	2451.85	2.11	25.19	8386.04	5184.35	3817.07	9001.43	18522.73	0.49
2.73	5.04	207	2.14	28.09	11.90	2463.75	2.10	25.08	8411.12	5174.06	3791.99	8966.06	18396.67	0.49
3.64	5.04	208	2.14	28.22	11.90	2475.65	2.10	24.97	8436.09	5187.83	3767.02	8954.85	18356.92	0.49
3.73	5.01	209	2.11	28.36	11.90	2487.55	2.07	24.80	8460.89	5155.40	3742.22	8897.62	18154.90	0.49
2.81	4.99	210	2.09	28.49	11.90	2499.46	2.05	24.56	8485.45	5135.35	3717.66	8853.01	17998.17	0.49
2.56	4.99	211	2.09	28.63	11.90	2511.36	2.05	24.43	8509.88	5149.81	3693.23	8843.04	17963.33	0.49
3.09	4.98	212	2.08	28.77	11.90	2523.26	2.04	24.35	8534.24	5151.51	3668.88	8820.39	17884.50	0.49
3.88	4.97	213	2.07	28.90	11.90	2535.16	2.03	24.26	8558.49	5157.58	3644.62	8802.20	17821.49	0.49
4.80	4.96	214	2.06	29.04	11.90	2547.07	2.02	24.14	8582.63	5148.24	3620.48	8768.73	17706.11	0.50
5.47	4.95	215	2.05	29.17	11.90	2558.97	2.02	24.02	8606.65	5158.31	3596.46	8754.77	17658.23	0.50
7.04	4.95	216	2.05	29.31	11.90	2570.87	2.02	23.99	8630.65	5182.23	3572.47	8754.70	17657.97	0.50
5.97	4.95	217	2.05	29.44	11.90	2582.77	2.01	23.97	8654.61	5195.94	3548.50	8744.44	17623.11	0.50
3.79	4.93	218	2.03	29.58	11.90	2594.67	1.99	23.81	8678.42	5160.10	3524.69	8684.79	17421.25	0.50
3.45	4.92	219	2.02	29.72	11.90	2606.58	1.99	23.65	8702.08	5177.07	3501.04	8678.10	17398.73	0.50
4.03	4.92	220	2.02	29.85	11.90	2618.48	1.98	23.63	8725.71	5196.75	3477.41	8674.16	17385.49	0.50
3.09	4.92	221	2.02	29.99	11.90	2630.38	1.98	23.58	8749.29	5202.76	3453.82	8656.59	17326.85	0.50
2.43	4.90	222	2.00	30.12	11.90	2642.28	1.96	23.45	8772.73	5183.39	3430.38	8613.77	17184.58	0.50
2.12	4.89	223	1.99	30.26	11.90	2654.18	1.96	23.31	8796.04	5189.56	3407.07	8596.63	17127.86	0.50
2.38	4.89	224	1.99	30.39	11.90	2666.09	1.95	23.26	8819.31	5209.72	3383.80	8593.52	17117.65	0.50
3.11	4.87	225	1.97	30.53	11.90	2677.99	1.94	23.15	8842.46	5185.64	3360.65	8546.29	16962.81	0.50
4.27	4.87	226	1.97	30.66	11.90	2689.89	1.93	23.01	8865.47	5189.91	3337.65	8527.56	16901.66	0.50
6.62	4.84	227	1.94	30.80	11.90	2701.79	1.90	22.82	8888.28	5145.82	3314.83	8460.65	16684.25	0.51
5.88	4.83	228	1.93	30.94	11.90	2713.70	1.90	22.62	8910.90	5145.94	3292.21	8438.15	16611.46	0.51
6.22	4.83	229	1.93	31.07	11.90	2725.60	1.89	22.54	8933.44	5152.86	3269.67	8422.53	16561.15	0.51
3.54	4.82	230	1.92	31.21	11.90	2737.50	1.89	22.49	8955.92	5167.95	3247.19	8415.14	16537.43	0.51
3.20	4.82	231	1.92	31.34	11.90	2749.40	1.88	22.42	8978.35	5168.56	3224.77	8393.33	16467.80	0.51
3.24	4.81	232	1.91	31.48	11.90	2761.30	1.88	22.35	9000.70	5179.71	3202.42	8382.12	16432.18	0.51
3.91	4.81	233	1.91	31.61	11.90	2773.21	1.87	22.32	9023.01	5197.02	3180.10	8377.12	16416.34	0.51
2.49	4.80	234	1.90	31.75	11.90	2785.11	1.86	22.24	9045.25	5187.85	3157.86	8345.71	16317.33	0.51
3.13	4.80	235	1.90	31.89	11.90	2797.01	1.86	22.16	9067.41	5206.61	3135.70	8342.31	16306.65	0.51
3.31	4.79	236	1.89	32.02	11.90	2808.91	1.85	22.10	9089.52	5204.55	3113.60	8318.15	16231.15	0.51
4.03	4.79	237	1.89	32.16	11.90	2820.82	1.85	22.04	9111.56	5221.41	3091.55	8312.97	16215.02	0.51
4.64	4.78	238	1.88	32.29	11.90	2832.72	1.84	21.99	9133.55	5224.82	3069.56	8294.38	16157.43	0.51
5.77	4.78	239	1.88	32.43	11.90	2844.62	1.84	21.94	9155.50	5242.39	3047.62	8290.00	16143.92	0.51
5.80	4.78	240	1.88	32.56	11.90	2856.52	1.84	21.93	9177.43	5262.69	3025.69	8288.37	16138.91	0.51
5.82	4.76	241	1.86	32.70	11.90	2868.42	1.82	21.81	9199.23	5226.60	3003.88	8230.48	15961.75	0.52
4.11	4.75	242	1.85	32.84	11.90	2880.33	1.82	21.66	9220.89	5234.52	2982.22	8216.74	15919.86	0.52
3.18	4.74	243	1.84	32.97	11.90	2892.23	1.80	21.54	9242.43	5211.03	2960.68	8171.71	15783.19	0.52
3.25	4.72	244	1.82	33.11	11.90	2904.13	1.79	21.37	9263.80	5194.18	2939.32	8133.49	15667.68	0.52
2.74	4.71	245	1.81	33.24	11.90	2916.03	1.77	21.20	9285.00	5173.80	2918.11	8091.92	15542.53	0.52

2.60	4.70	246	1.80	33.38	11.90	2927.93	1.77	21.09	9306.09	5183.57	2897.02	8080.59	15508.55	0.52
2.15	4.69	247	1.79	33.51	11.90	2939.84	1.75	20.97	9327.06	5153.18	2876.05	8029.23	15355.21	0.52
2.33	4.68	248	1.78	33.65	11.90	2951.74	1.75	20.84	9347.90	5163.61	2855.21	8018.82	15324.25	0.52
3.82	4.66	249	1.76	33.79	11.90	2963.64	1.73	20.71	9368.61	5127.04	2834.50	7961.54	15154.61	0.53
5.01	4.66	250	1.76	33.92	11.90	2975.54	1.73	20.59	9389.20	5147.41	2813.91	7961.32	15153.97	0.53
4.76	4.66	251	1.76	34.06	11.90	2987.45	1.73	20.58	9409.78	5163.58	2793.33	7956.92	15141.03	0.53
5.44	4.66	252	1.76	34.19	11.90	2999.35	1.73	20.56	9430.34	5177.81	2772.77	7950.58	15122.49	0.53
4.82	4.66	253	1.76	34.33	11.90	3011.25	1.72	20.53	9450.86	5187.81	2752.25	7940.06	15091.82	0.53
4.89	4.65	254	1.75	34.46	11.90	3023.15	1.72	20.49	9471.35	5200.29	2731.76	7932.04	15068.54	0.53
3.53	4.64	255	1.74	34.60	11.90	3035.05	1.71	20.42	9491.77	5191.46	2711.34	7902.80	14983.97	0.53
4.43	4.64	256	1.74	34.74	11.90	3046.96	1.70	20.33	9512.10	5195.02	2691.02	7886.04	14935.68	0.53
3.75	4.60	257	1.70	34.87	11.90	3058.86	1.67	20.07	9532.16	5098.49	2670.95	7769.45	14601.13	0.53
3.44	4.59	258	1.69	35.01	11.90	3070.76	1.66	19.79	9551.96	5095.09	2651.16	7746.25	14534.83	0.53
3.22	4.58	259	1.68	35.14	11.90	3082.66	1.65	19.70	9571.65	5089.30	2631.46	7720.76	14462.26	0.53
2.99	4.57	260	1.67	35.28	11.90	3094.57	1.64	19.60	9591.25	5082.28	2611.86	7694.14	14386.76	0.53
3.53	4.57	261	1.67	35.41	11.90	3106.47	1.64	19.53	9610.78	5090.80	2592.33	7683.14	14355.68	0.54
3.91	4.56	262	1.66	35.55	11.90	3118.37	1.63	19.45	9630.23	5083.35	2572.88	7656.23	14279.94	0.54
6.08	4.56	263	1.66	35.69	11.90	3130.27	1.63	19.40	9649.63	5100.99	2553.48	7654.47	14275.00	0.54
7.07	4.55	264	1.65	35.82	11.90	3142.17	1.62	19.33	9668.96	5086.82	2534.15	7620.97	14181.44	0.54
5.72	4.55	265	1.65	35.96	11.90	3154.08	1.61	19.24	9688.21	5092.62	2514.91	7607.53	14144.03	0.54
3.82	4.54	266	1.64	36.09	11.90	3165.98	1.61	19.18	9707.39	5093.43	2495.72	7589.15	14093.09	0.54
4.14	4.54	267	1.64	36.23	11.90	3177.88	1.61	19.14	9726.53	5110.59	2476.58	7587.17	14087.63	0.54
4.84	4.54	268	1.64	36.36	11.90	3189.78	1.61	19.14	9745.67	5127.25	2457.44	7584.69	14080.80	0.54
5.36	4.54	269	1.64	36.50	11.90	3201.68	1.61	19.12	9764.79	5140.54	2438.32	7578.86	14064.81	0.54
2.92	4.53	270	1.63	36.64	11.90	3213.59	1.60	19.10	9783.89	5152.48	2419.23	7571.71	14045.28	0.54
2.39	4.52	271	1.62	36.77	11.90	3225.49	1.59	19.02	9802.90	5135.70	2400.21	7535.91	13947.87	0.54
2.88	4.52	272	1.62	36.91	11.90	3237.39	1.59	18.94	9821.85	5150.66	2381.27	7531.92	13937.07	0.54
3.04	4.52	273	1.62	37.04	11.90	3249.29	1.59	18.91	9840.75	5153.93	2362.36	7516.29	13894.85	0.54
3.01	4.49	274	1.59	37.18	11.90	3261.20	1.56	18.70	9859.45	5074.81	2343.66	7418.47	13631.61	0.54
3.98	4.49	275	1.59	37.31	11.90	3273.10	1.56	18.52	9877.97	5091.85	2325.14	7416.99	13627.63	0.54
7.32	4.48	276	1.58	37.45	11.90	3285.00	1.55	18.49	9896.46	5096.25	2306.65	7402.90	13589.99	0.54
6.56	4.48	277	1.58	37.58	11.90	3296.90	1.55	18.45	9914.92	5107.68	2288.20	7395.88	13571.32	0.54
5.69	4.47	278	1.57	37.72	11.90	3308.80	1.54	18.41	9933.32	5108.90	2269.79	7378.69	13525.73	0.55
4.97	4.46	279	1.56	37.86	11.90	3320.71	1.53	18.32	9951.64	5094.19	2251.47	7345.66	13438.44	0.55
4.11	4.45	280	1.55	37.99	11.90	3332.61	1.52	18.19	9969.84	5075.94	2233.28	7309.22	13342.47	0.55
3.63	4.45	281	1.55	38.13	11.90	3344.51	1.52	18.10	9987.93	5076.28	2215.18	7291.47	13295.89	0.55
3.26	4.43	282	1.53	38.26	11.90	3356.41	1.50	17.99	10005.92	5050.95	2197.19	7248.15	13182.63	0.55
2.64	4.43	283	1.53	38.40	11.90	3368.32	1.50	17.89	10023.81	5055.49	2179.31	7234.80	13147.86	0.55
2.80	4.43	284	1.53	38.53	11.90	3380.22	1.50	17.84	10041.64	5056.93	2161.47	7218.40	13105.28	0.55
4.19	4.41	285	1.51	38.67	11.90	3392.12	1.48	17.74	10059.38	5034.74	2143.73	7178.47	13001.99	0.55
5.63	4.41	286	1.51	38.81	11.90	3404.02	1.48	17.65	10077.03	5042.09	2126.09	7168.18	12975.45	0.55
4.92	4.38	287	1.48	38.94	11.90	3415.92	1.46	17.48	10094.50	4971.06	2108.61	7079.67	12748.08	0.56

4.79	4.37	288	1.47	39.08	11.90	3427.83	1.44	17.25	10111.75	4947.75	2091.36	7039.11	12644.25	0.56
6.55	4.37	289	1.47	39.21	11.90	3439.73	1.44	17.17	10128.92	4958.49	2074.19	7032.68	12627.84	0.56
5.45	4.35	290	1.45	39.35	11.90	3451.63	1.43	17.07	10145.99	4925.68	2057.12	6982.80	12501.02	0.56
3.58	4.33	291	1.43	39.48	11.90	3463.53	1.40	16.84	10162.83	4855.89	2040.29	6896.17	12281.55	0.56
3.30	4.32	292	1.42	39.62	11.90	3475.43	1.40	16.66	10179.49	4857.30	2023.62	6880.93	12243.07	0.56
3.51	4.31	293	1.41	39.76	11.90	3487.34	1.38	16.55	10196.03	4821.54	2007.08	6828.62	12111.44	0.56
2.89	4.30	294	1.40	39.89	11.90	3499.24	1.37	16.39	10212.43	4802.06	1990.68	6792.75	12021.49	0.57
2.13	4.29	295	1.39	40.03	11.90	3511.14	1.36	16.28	10228.71	4786.71	1974.40	6761.12	11942.44	0.57
1.84	4.29	296	1.39	40.16	11.90	3523.04	1.36	16.21	10244.92	4791.78	1958.20	6749.98	11914.69	0.57
2.97	4.29	297	1.39	40.30	11.90	3534.95	1.36	16.19	10261.10	4807.03	1942.01	6749.04	11912.37	0.57
2.70	4.28	298	1.38	40.43	11.90	3546.85	1.36	16.16	10277.26	4807.71	1925.85	6733.57	11874.09	0.57
4.74	4.28	299	1.38	40.57	11.90	3558.75	1.35	16.10	10293.36	4803.41	1909.75	6713.16	11823.78	0.57
6.42	4.27	300	1.37	40.71	11.90	3570.65	1.35	16.05	10309.41	4812.51	1893.70	6706.21	11806.70	0.57
4.68	4.27	301	1.37	40.84	11.90	3582.55	1.34	16.01	10325.42	4807.81	1877.69	6685.50	11755.98	0.57
3.84	4.27	302	1.37	40.98	11.90	3594.46	1.34	15.97	10341.39	4820.68	1861.72	6682.41	11748.42	0.57
4.26	4.26	303	1.36	41.11	11.90	3606.36	1.34	15.93	10357.32	4816.42	1845.79	6662.21	11699.28	0.57
3.11	4.26	304	1.36	41.25	11.90	3618.26	1.33	15.89	10373.21	4830.10	1829.90	6660.01	11693.94	0.57
3.23	4.25	305	1.35	41.38	11.90	3630.16	1.33	15.85	10389.06	4824.76	1814.05	6638.81	11642.71	0.57
2.97	4.25	306	1.35	41.52	11.90	3642.07	1.32	15.77	10404.84	4812.30	1798.28	6610.58	11574.69	0.57
2.69	4.24	307	1.34	41.66	11.90	3653.97	1.31	15.68	10420.52	4802.17	1782.59	6584.76	11512.70	0.57
1.90	4.23	308	1.33	41.79	11.90	3665.87	1.31	15.59	10436.12	4788.31	1767.00	6555.31	11442.20	0.57
2.27	4.23	309	1.33	41.93	11.90	3677.77	1.30	15.54	10451.65	4799.48	1751.46	6550.93	11431.76	0.57
2.55	4.23	310	1.33	42.06	11.90	3689.67	1.30	15.52	10467.17	4806.99	1735.94	6542.93	11412.72	0.57
4.53	4.21	311	1.31	42.20	11.90	3701.58	1.28	15.38	10482.55	4742.44	1720.56	6463.00	11223.26	0.58
6.36	4.20	312	1.30	42.33	11.90	3713.48	1.27	15.20	10497.76	4730.10	1705.36	6435.46	11158.18	0.58
6.27	4.19	313	1.29	42.47	11.90	3725.38	1.27	15.13	10512.89	4725.85	1690.23	6416.07	11112.54	0.58
5.63	4.19	314	1.29	42.61	11.90	3737.28	1.27	15.09	10527.98	4736.46	1675.14	6411.59	11102.02	0.58
3.53	4.18	315	1.28	42.74	11.90	3749.18	1.26	15.04	10543.02	4725.66	1660.09	6385.76	11041.55	0.58
4.03	4.18	316	1.28	42.88	11.90	3761.09	1.26	15.00	10558.02	4737.45	1645.10	6382.55	11034.07	0.58
3.74	4.18	317	1.28	43.01	11.90	3772.99	1.25	14.96	10572.97	4729.06	1630.14	6359.20	10979.78	0.58
3.61	4.17	318	1.27	43.15	11.90	3784.89	1.24	14.86	10587.83	4706.57	1615.28	6321.85	10893.18	0.58
2.67	4.16	319	1.26	43.28	11.90	3796.79	1.24	14.76	10602.59	4694.12	1600.52	6294.64	10830.31	0.58
2.79	4.16	320	1.26	43.42	11.90	3808.70	1.23	14.70	10617.29	4697.36	1585.83	6283.19	10803.94	0.58
3.66	4.15	321	1.25	43.55	11.90	3820.60	1.23	14.65	10631.93	4690.49	1571.18	6261.67	10754.53	0.58
4.98	4.14	322	1.24	43.69	11.90	3832.50	1.22	14.56	10646.49	4671.74	1556.62	6228.36	10678.26	0.58
4.28	4.14	323	1.24	43.83	11.90	3844.40	1.21	14.48	10660.98	4670.93	1542.14	6213.07	10643.36	0.58
8.11	4.13	324	1.23	43.96	11.90	3856.30	1.21	14.41	10675.38	4649.42	1527.73	6177.15	10561.65	0.58
6.40	4.12	325	1.22	44.10	11.90	3868.21	1.20	14.32	10689.71	4645.62	1513.41	6159.03	10520.55	0.59
4.25	4.12	326	1.22	44.23	11.90	3880.11	1.20	14.27	10703.97	4642.74	1499.14	6141.88	10481.77	0.59
3.10	4.11	327	1.21	44.37	11.90	3892.01	1.19	14.21	10718.19	4637.97	1484.93	6122.90	10438.99	0.59
3.72	4.11	328	1.21	44.50	11.90	3903.91	1.19	14.16	10732.34	4634.82	1470.77	6105.59	10400.08	0.59
3.25	4.11	329	1.21	44.64	11.90	3915.82	1.19	14.13	10746.47	4648.82	1456.64	6105.46	10399.80	0.59

2.39	4.11	330	1.21	44.78	11.90	3927.72	1.19	14.13	10760.60	4662.65	1442.51	6105.16	10399.12	0.59
1.94	4.11	331	1.21	44.91	11.90	3939.62	1.18	14.10	10774.71	4659.84	1428.41	6088.25	10361.46	0.59
2.42	4.10	332	1.20	45.05	11.90	3951.52	1.17	14.02	10788.73	4634.67	1414.39	6049.06	10274.45	0.59
3.53	4.09	333	1.19	45.18	11.90	3963.42	1.16	13.91	10802.64	4617.24	1400.47	6017.72	10205.08	0.59
4.47	4.08	334	1.18	45.32	11.90	3975.33	1.16	13.81	10816.45	4592.12	1386.67	5978.79	10119.16	0.59
5.28	4.07	335	1.17	45.45	11.90	3987.23	1.15	13.72	10830.17	4588.37	1372.94	5961.31	10080.71	0.59
7.50	4.07	336	1.17	45.59	11.90	3999.13	1.15	13.67	10843.84	4586.92	1359.27	5946.19	10047.54	0.59
6.69	4.06	337	1.16	45.73	11.90	4011.03	1.14	13.61	10857.46	4574.56	1345.66	5920.22	9990.73	0.59
4.21	4.06	338	1.16	45.86	11.90	4022.93	1.14	13.56	10871.01	4577.63	1332.10	5909.73	9967.87	0.59
4.11	4.04	339	1.14	46.00	11.90	4034.84	1.12	13.45	10884.46	4527.88	1318.65	5846.52	9830.43	0.59
3.27	4.04	340	1.14	46.13	11.90	4046.74	1.12	13.32	10897.79	4519.75	1305.32	5825.07	9783.93	0.60
3.23	4.04	341	1.14	46.27	11.90	4058.64	1.11	13.28	10911.07	4524.36	1292.04	5816.41	9765.19	0.60
2.91	4.03	342	1.13	46.40	11.90	4070.54	1.11	13.25	10924.32	4528.09	1278.79	5806.88	9744.67	0.60
2.44	4.03	343	1.13	46.54	11.90	4082.45	1.11	13.24	10937.56	4538.00	1265.55	5803.56	9737.53	0.60
1.90	4.03	344	1.13	46.68	11.90	4094.35	1.11	13.23	10950.79	4550.47	1252.32	5802.80	9735.90	0.60
2.26	4.03	345	1.13	46.81	11.90	4106.25	1.11	13.20	10963.99	4544.46	1239.12	5783.59	9694.85	0.60
3.54	4.01	346	1.11	46.95	11.90	4118.15	1.09	13.08	10977.07	4491.68	1226.05	5717.73	9554.56	0.60
4.33	4.00	347	1.10	47.08	11.90	4130.05	1.08	12.91	10989.98	4458.11	1213.13	5671.25	9455.83	0.60
5.66	3.99	348	1.09	47.22	11.90	4141.96	1.07	12.78	11002.76	4423.84	1200.35	5624.20	9356.17	0.60
5.27	3.98	349	1.08	47.35	11.90	4153.86	1.06	12.67	11015.43	4408.59	1187.68	5596.27	9297.20	0.60
4.71	3.98	350	1.08	47.49	11.90	4165.76	1.06	12.62	11028.05	4409.67	1175.07	5584.74	9272.91	0.60
4.29	3.98	351	1.08	47.63	11.90	4177.66	1.06	12.59	11040.64	4417.43	1162.47	5579.90	9262.76	0.60
3.57	3.97	352	1.07	47.76	11.90	4189.57	1.05	12.56	11053.20	4410.64	1149.92	5560.55	9222.24	0.60
2.41	3.96	353	1.06	47.90	11.90	4201.47	1.04	12.46	11065.66	4375.47	1137.45	5512.92	9122.79	0.60
2.64	3.95	354	1.05	48.03	11.90	4213.37	1.03	12.34	11078.00	4347.04	1125.12	5472.16	9037.92	0.61
1.50	3.95	355	1.05	48.17	11.90	4225.27	1.03	12.27	11090.27	4355.83	1112.84	5468.67	9030.69	0.61
1.46	3.95	356	1.05	48.30	11.90	4237.17	1.03	12.25	11102.52	4354.77	1100.59	5455.36	9003.13	0.61
1.93	3.92	357	1.02	48.44	11.90	4249.08	1.00	12.09	11114.61	4266.15	1088.50	5354.65	8795.20	0.61
1.94	3.91	358	1.01	48.58	11.90	4260.98	0.99	11.89	11126.51	4236.15	1076.61	5312.76	8708.96	0.61
5.11	3.91	359	1.01	48.71	11.90	4272.88	0.99	11.81	11138.32	4232.05	1064.80	5296.85	8676.29	0.61
5.12	3.91	360	1.01	48.85	11.90	4284.78	0.99	11.79	11150.10	4242.18	1053.01	5295.19	8672.90	0.61
5.93	3.91	361	1.01	48.98	11.90	4296.68	0.99	11.78	11161.88	4248.49	1041.23	5289.73	8661.75	0.61
4.72	3.90	362	1.00	49.12	11.90	4308.59	0.98	11.72	11173.60	4228.12	1029.51	5257.63	8596.39	0.61
3.62	3.90	363	1.00	49.25	11.90	4320.49	0.98	11.68	11185.28	4238.67	1017.83	5256.50	8594.11	0.61
3.09	3.89	364	0.99	49.39	11.90	4332.39	0.97	11.63	11196.91	4212.68	1006.21	5218.89	8517.95	0.61
2.80	3.89	365	0.99	49.53	11.90	4344.29	0.97	11.56	11208.46	4211.57	994.65	5206.22	8492.38	0.61
2.48	3.88	366	0.98	49.66	11.90	4356.20	0.96	11.50	11219.97	4197.89	983.15	5181.04	8441.66	0.61
1.96	3.88	367	0.98	49.80	11.90	4368.10	0.96	11.44	11231.41	4186.35	971.71	5158.06	8395.52	0.61
2.56	3.86	368	0.96	49.93	11.90	4380.00	0.94	11.30	11242.71	4121.85	960.40	5082.26	8243.71	0.62
2.71	3.85	369	0.95	50.07	11.90	4391.90	0.93	11.12	11253.83	4075.37	949.28	5024.66	8128.66	0.62
4.43	3.84	370	0.94	50.20	11.90	4403.80	0.93	11.03	11264.86	4077.13	938.25	5015.38	8110.19	0.62
5.57	3.84	371	0.94	50.34	11.90	4415.71	0.93	11.02	11275.88	4087.00	927.23	5014.24	8107.91	0.62

7.07	3.84	372	0.94	50.47	11.90	4427.61	0.93	11.01	11286.90	4096.28	916.22	5012.50	8104.48	0.62
7.23	3.84	373	0.94	50.61	11.90	4439.51	0.92	10.99	11297.89	4094.85	905.22	5000.07	8079.91	0.62
4.10	3.83	374	0.93	50.75	11.90	4451.41	0.91	10.89	11308.78	4042.41	894.33	4936.74	7955.11	0.62
2.71	3.82	375	0.92	50.88	11.90	4463.32	0.91	10.80	11319.59	4048.96	883.53	4932.49	7946.76	0.62
3.19	3.82	376	0.92	51.02	11.90	4475.22	0.91	10.80	11330.38	4058.65	872.73	4931.38	7944.59	0.62
3.46	3.82	377	0.92	51.15	11.90	4487.12	0.90	10.76	11341.14	4045.34	861.97	4907.31	7897.53	0.62
2.96	3.82	378	0.92	51.29	11.90	4499.02	0.90	10.71	11351.85	4040.65	851.26	4891.91	7867.51	0.62
1.93	3.80	379	0.90	51.42	11.90	4510.92	0.88	10.58	11362.44	3969.03	840.68	4809.71	7707.66	0.62
2.56	3.79	380	0.89	51.56	11.90	4522.83	0.88	10.44	11372.88	3957.55	830.23	4787.78	7665.14	0.62
3.46	3.79	381	0.89	51.70	11.90	4534.73	0.87	10.40	11383.27	3953.70	819.84	4773.53	7637.59	0.63
4.54	3.78	382	0.88	51.83	11.90	4546.63	0.86	10.32	11393.60	3923.06	809.51	4732.57	7558.56	0.63
6.08	3.77	383	0.87	51.97	11.90	4558.53	0.86	10.23	11403.83	3904.03	799.28	4703.31	7502.26	0.63
7.08	3.77	384	0.87	52.10	11.90	4570.43	0.85	10.16	11413.99	3885.91	789.13	4675.04	7448.00	0.63
7.80	3.76	385	0.86	52.24	11.90	4582.34	0.85	10.10	11424.08	3877.43	779.03	4656.46	7412.44	0.63
4.65	3.76	386	0.86	52.37	11.90	4594.24	0.84	10.03	11434.11	3855.16	769.00	4624.16	7350.78	0.63
3.35	3.75	387	0.85	52.51	11.90	4606.14	0.84	9.97	11444.08	3849.78	759.03	4608.82	7321.55	0.63
3.36	3.75	388	0.85	52.65	11.90	4618.04	0.83	9.93	11454.01	3843.49	749.11	4592.60	7290.74	0.63
4.38	3.75	389	0.85	52.78	11.90	4629.95	0.83	9.91	11463.91	3852.85	739.20	4592.05	7289.71	0.63
3.09	3.74	390	0.84	52.92	11.90	4641.85	0.83	9.87	11473.78	3838.13	729.33	4567.45	7243.23	0.63
2.38	3.74	391	0.84	53.05	11.90	4653.75	0.83	9.84	11483.62	3845.49	719.49	4564.98	7238.57	0.63
1.93	3.73	392	0.83	53.19	11.90	4665.65	0.82	9.77	11493.40	3807.48	709.72	4517.20	7148.74	0.63
2.16	3.73	393	0.83	53.32	11.90	4677.55	0.81	9.70	11503.10	3809.32	700.01	4509.33	7133.99	0.63
3.86	3.73	394	0.83	53.46	11.90	4689.46	0.81	9.67	11512.77	3803.78	690.34	4494.12	7105.54	0.63
5.67	3.73	395	0.83	53.60	11.90	4701.36	0.81	9.65	11522.42	3807.94	680.69	4488.63	7095.29	0.63
6.63	3.72	396	0.82	53.73	11.90	4713.26	0.80	9.60	11532.02	3788.94	671.09	4460.03	7042.06	0.63
6.35	3.71	397	0.81	53.87	11.90	4725.16	0.80	9.54	11541.56	3776.81	661.55	4438.36	7001.85	0.63
4.66	3.71	398	0.81	54.00	11.90	4737.07	0.79	9.49	11551.05	3765.59	652.06	4417.65	6963.50	0.63
2.69	3.69	399	0.79	54.14	11.90	4748.97	0.78	9.36	11560.41	3695.55	642.70	4338.25	6816.85	0.64
2.85	3.69	400	0.79	54.27	11.90	4760.87	0.77	9.22	11569.63	3669.40	633.48	4302.88	6751.69	0.64
4.07	3.67	401	0.77	54.41	11.90	4772.77	0.76	9.10	11578.73	3620.20	624.38	4244.59	6644.57	0.64
2.93	3.67	402	0.77	54.55	11.90	4784.67	0.76	9.03	11587.76	3628.46	615.35	4243.81	6643.14	0.64
2.00	3.67	403	0.77	54.68	11.90	4796.58	0.75	9.00	11596.76	3614.75	606.36	4221.11	6601.63	0.64
2.33	3.66	404	0.76	54.82	11.90	4808.48	0.75	8.93	11605.69	3592.92	597.42	4190.34	6545.51	0.64
4.30	3.66	405	0.76	54.95	11.90	4820.38	0.75	8.89	11614.57	3596.29	588.54	4184.82	6535.47	0.64
6.10	3.64	406	0.74	55.09	11.90	4832.28	0.73	8.75	11623.33	3503.69	579.78	4083.47	6351.52	0.64
5.88	3.63	407	0.73	55.22	11.90	4844.18	0.72	8.59	11631.92	3476.75	571.20	4047.95	6287.19	0.64
6.74	3.63	408	0.73	55.36	11.90	4856.09	0.71	8.52	11640.44	3470.52	562.67	4033.20	6260.55	0.64
6.73	3.62	409	0.72	55.50	11.90	4867.99	0.71	8.46	11648.90	3444.56	554.21	3998.77	6198.53	0.65
5.37	3.61	410	0.71	55.63	11.90	4879.89	0.70	8.36	11657.26	3399.55	545.85	3945.41	6102.61	0.65
3.34	3.59	411	0.69	55.77	11.90	4891.79	0.68	8.20	11665.46	3331.42	537.65	3869.08	5965.76	0.65
2.82	3.59	412	0.69	55.90	11.90	4903.70	0.68	8.10	11673.56	3332.39	529.56	3861.95	5953.01	0.65
4.23	3.59	413	0.69	56.04	11.90	4915.60	0.68	8.08	11681.64	3333.12	521.48	3854.59	5939.89	0.65

2.96	3.59	414	0.69	56.17	11.90	4927.50	0.68	8.07	11689.70	3340.25	513.41	3853.66	5938.22	0.65
2.37	3.58	415	0.68	56.31	11.90	4939.40	0.67	8.03	11697.73	3312.94	505.38	3818.33	5875.49	0.65
3.40	3.57	416	0.67	56.45	11.90	4951.30	0.66	7.92	11705.65	3266.46	497.46	3763.92	5779.12	0.65
3.80	3.57	417	0.67	56.58	11.90	4963.21	0.66	7.84	11713.49	3267.39	489.62	3757.01	5766.90	0.65
3.75	3.57	418	0.67	56.72	11.90	4975.11	0.65	7.81	11721.30	3255.26	481.81	3737.07	5731.75	0.65
3.45	3.56	419	0.66	56.85	11.90	4987.01	0.65	7.75	11729.05	3230.06	474.06	3704.13	5673.81	0.65
5.77	3.56	420	0.66	56.99	11.90	4998.91	0.65	7.69	11736.75	3225.82	466.37	3692.19	5652.86	0.65
4.69	3.55	421	0.65	57.12	11.90	5010.82	0.64	7.64	11744.38	3196.72	458.73	3655.45	5588.57	0.65
4.83	3.54	422	0.64	57.26	11.90	5022.72	0.63	7.55	11751.93	3165.16	451.18	3616.34	5520.28	0.66
2.70	3.54	423	0.64	57.39	11.90	5034.62	0.63	7.48	11759.41	3156.81	443.70	3600.52	5492.71	0.66
2.07	3.54	424	0.64	57.53	11.90	5046.52	0.62	7.44	11766.85	3144.24	436.26	3580.51	5457.93	0.66
2.33	3.53	425	0.63	57.67	11.90	5058.42	0.62	7.41	11774.26	3148.61	428.85	3577.46	5452.65	0.66
2.34	3.53	426	0.63	57.80	11.90	5070.33	0.62	7.40	11781.67	3152.34	421.45	3573.79	5446.30	0.66
1.63	3.53	427	0.63	57.94	11.90	5082.23	0.62	7.38	11789.05	3146.27	414.06	3560.33	5423.08	0.66
1.06	3.53	428	0.63	58.07	11.90	5094.13	0.61	7.34	11796.39	3132.55	406.72	3539.26	5386.81	0.66
1.98	3.53	429	0.63	58.21	11.90	5106.03	0.61	7.31	11803.71	3132.34	399.41	3531.75	5373.90	0.66
2.19	3.53	430	0.63	58.34	11.90	5117.93	0.61	7.30	11811.01	3138.39	392.11	3530.49	5371.75	0.66
4.29	3.51	431	0.61	58.48	11.90	5129.84	0.60	7.24	11818.24	3092.58	384.87	3477.45	5281.07	0.66
6.23	3.51	432	0.61	58.62	11.90	5141.74	0.59	7.13	11825.37	3057.17	377.74	3434.92	5208.52	0.66
9.49	3.48	433	0.58	58.75	11.90	5153.64	0.57	6.94	11832.31	2943.91	370.81	3314.72	5003.97	0.66
5.36	3.48	434	0.58	58.89	11.90	5165.54	0.57	6.78	11839.08	2932.95	364.03	3296.98	4973.85	0.66
3.00	3.46	435	0.56	59.02	11.90	5177.45	0.55	6.68	11845.76	2869.31	357.35	3226.67	4854.75	0.66
3.02	3.46	436	0.56	59.16	11.90	5189.35	0.55	6.59	11852.35	2869.60	350.76	3220.36	4844.09	0.66
4.56	3.46	437	0.56	59.29	11.90	5201.25	0.55	6.55	11858.90	2844.82	344.22	3189.03	4791.27	0.67
3.95	3.45	438	0.55	59.43	11.90	5213.15	0.54	6.49	11865.39	2838.09	337.72	3175.81	4769.03	0.67
2.83	3.45	439	0.55	59.57	11.90	5225.05	0.54	6.47	11871.86	2835.79	331.25	3167.04	4754.30	0.67
3.35	3.45	440	0.55	59.70	11.90	5236.96	0.54	6.43	11878.29	2816.29	324.82	3141.12	4710.89	0.67
4.60	3.44	441	0.54	59.84	11.90	5248.86	0.53	6.36	11884.65	2783.34	318.47	3101.80	4645.21	0.67
5.67	3.43	442	0.53	59.97	11.90	5260.76	0.52	6.23	11890.88	2720.18	312.23	3032.42	4529.54	0.67
8.44	3.42	443	0.52	60.11	11.90	5272.66	0.51	6.14	11897.02	2714.52	306.09	3020.61	4509.90	0.67
7.34	3.42	444	0.52	60.24	11.90	5284.57	0.51	6.11	11903.13	2702.53	299.99	3002.51	4479.86	0.67
6.93	3.42	445	0.52	60.38	11.90	5296.47	0.51	6.07	11909.19	2691.09	293.92	2985.01	4450.89	0.67
4.48	3.42	446	0.52	60.52	11.90	5308.37	0.51	6.04	11915.24	2694.93	287.87	2982.81	4447.25	0.67
3.22	3.40	447	0.50	60.65	11.90	5320.27	0.49	5.94	11921.18	2605.42	281.94	2887.35	4289.90	0.67
4.19	3.40	448	0.50	60.79	11.90	5332.17	0.49	5.81	11926.98	2590.97	276.13	2867.10	4256.59	0.67
4.41	3.39	449	0.49	60.92	11.90	5344.08	0.48	5.72	11932.71	2543.96	270.41	2814.37	4170.06	0.67
3.82	3.37	450	0.47	61.06	11.90	5355.98	0.46	5.60	11938.30	2488.46	264.81	2753.27	4070.01	0.68
3.46	3.37	451	0.47	61.19	11.90	5367.88	0.46	5.52	11943.82	2484.27	259.29	2743.56	4054.16	0.68
3.20	3.36	452	0.46	61.33	11.90	5379.78	0.45	5.45	11949.28	2440.20	253.84	2694.04	3973.43	0.68
3.32	3.36	453	0.46	61.47	11.90	5391.68	0.45	5.37	11954.64	2417.03	248.47	2665.50	3927.01	0.68
5.12	3.36	454	0.46	61.60	11.90	5403.59	0.45	5.33	11959.97	2417.29	243.14	2660.43	3918.78	0.68
5.54	3.36	455	0.46	61.74	11.90	5415.49	0.45	5.32	11965.29	2418.48	237.82	2656.30	3912.09	0.68

7.46	3.35	456	0.45	61.87	11.90	5427.39	0.45	5.31	11970.60	2416.37	232.51	2648.88	3900.10	0.68
6.78	3.35	457	0.45	62.01	11.90	5439.29	0.44	5.29	11975.89	2417.12	227.22	2644.34	3892.78	0.68
4.18	3.35	458	0.45	62.14	11.90	5451.20	0.44	5.28	11981.17	2412.34	221.94	2634.28	3876.59	0.68
3.48	3.35	459	0.45	62.28	11.90	5463.10	0.44	5.26	11986.43	2412.50	216.68	2629.18	3868.42	0.68
4.23	3.35	460	0.45	62.42	11.90	5475.00	0.44	5.23	11991.67	2397.26	211.44	2608.70	3835.61	0.68
4.29	3.34	461	0.44	62.55	11.90	5486.90	0.43	5.17	11996.84	2363.43	206.28	2569.70	3773.28	0.68
2.96	3.34	462	0.44	62.69	11.90	5498.80	0.43	5.11	12001.95	2357.66	201.16	2558.82	3755.92	0.68
2.55	3.33	463	0.43	62.82	11.90	5510.71	0.42	5.06	12007.01	2320.26	196.10	2516.36	3688.35	0.68
2.04	3.32	464	0.42	62.96	11.90	5522.61	0.42	4.98	12011.99	2299.12	191.12	2490.24	3646.87	0.68
2.35	3.31	465	0.41	63.09	11.90	5534.51	0.40	4.87	12016.86	2224.00	186.25	2410.25	3520.14	0.68
3.42	3.30	466	0.40	63.23	11.90	5546.41	0.39	4.72	12021.58	2172.80	181.53	2354.32	3431.71	0.69
4.99	3.30	467	0.40	63.36	11.90	5558.32	0.39	4.66	12026.25	2177.42	176.87	2354.29	3431.65	0.69
5.29	3.28	468	0.38	63.50	11.90	5570.22	0.37	4.55	12030.80	2080.87	172.31	2253.18	3272.48	0.69
8.68	3.27	469	0.37	63.64	11.90	5582.12	0.37	4.41	12035.21	2050.76	167.90	2218.66	3218.25	0.69
5.10	3.27	470	0.37	63.77	11.90	5594.02	0.37	4.36	12039.57	2042.63	163.54	2206.18	3198.68	0.69
3.59	3.26	471	0.36	63.91	11.90	5605.92	0.35	4.28	12043.85	1984.89	159.26	2144.16	3101.66	0.69
3.39	3.25	472	0.35	64.04	11.90	5617.83	0.35	4.17	12048.02	1950.10	155.09	2105.19	3040.83	0.69
3.07	3.25	473	0.35	64.18	11.90	5629.73	0.35	4.13	12052.15	1948.09	150.96	2099.05	3031.27	0.69
2.92	3.25	474	0.35	64.31	11.90	5641.63	0.34	4.10	12056.24	1930.13	146.87	2077.00	2997.00	0.69
2.76	3.24	475	0.34	64.45	11.90	5653.53	0.33	4.02	12060.26	1885.64	142.85	2028.49	2921.75	0.69
2.17	3.24	476	0.34	64.59	11.90	5665.43	0.33	3.97	12064.23	1888.47	138.88	2027.35	2919.99	0.69
2.27	3.24	477	0.34	64.72	11.90	5677.34	0.33	3.96	12068.19	1883.40	134.92	2018.32	2906.05	0.69
3.03	3.24	478	0.34	64.86	11.90	5689.24	0.33	3.94	12072.13	1875.08	130.99	2006.07	2887.16	0.69
5.43	3.23	479	0.33	64.99	11.90	5701.14	0.32	3.89	12076.02	1850.27	127.09	1977.36	2843.01	0.70
5.90	3.23	480	0.33	65.13	11.90	5713.04	0.32	3.85	12079.87	1840.87	123.24	1964.11	2822.66	0.70
8.71	3.23	481	0.33	65.26	11.90	5724.95	0.32	3.83	12083.69	1836.62	119.42	1956.03	2810.29	0.70
5.26	3.23	482	0.33	65.40	11.90	5736.85	0.32	3.81	12087.51	1835.93	115.60	1951.54	2803.41	0.70
3.37	3.22	483	0.32	65.54	11.90	5748.75	0.32	3.79	12091.30	1824.10	111.81	1935.91	2779.58	0.70
2.51	3.22	484	0.32	65.67	11.90	5760.65	0.31	3.76	12095.06	1813.66	108.05	1921.70	2757.96	0.70
2.78	3.21	485	0.31	65.81	11.90	5772.55	0.30	3.67	12098.74	1747.04	104.37	1851.42	2651.18	0.70
3.02	3.21	486	0.31	65.94	11.90	5784.46	0.30	3.59	12102.33	1742.23	100.78	1843.02	2638.45	0.70
2.38	3.20	487	0.30	66.08	11.90	5796.36	0.30	3.56	12105.90	1725.19	97.22	1822.41	2607.27	0.70
1.83	3.20	488	0.30	66.21	11.90	5808.26	0.29	3.51	12109.41	1701.15	93.70	1794.86	2565.67	0.70
2.20	3.19	489	0.29	66.35	11.90	5820.16	0.29	3.46	12112.87	1675.75	90.25	1766.00	2522.20	0.70
4.78	3.19	490	0.29	66.49	11.90	5832.07	0.28	3.38	12116.25	1633.40	86.87	1720.26	2453.43	0.70
5.97	3.18	491	0.28	66.62	11.90	5843.97	0.28	3.33	12119.58	1633.15	83.54	1716.69	2448.06	0.70
8.04	3.18	492	0.28	66.76	11.90	5855.87	0.27	3.29	12122.86	1597.07	80.25	1677.32	2389.12	0.70
6.21	3.18	493	0.28	66.89	11.90	5867.77	0.27	3.23	12126.09	1583.95	77.02	1660.97	2364.69	0.70
5.16	3.17	494	0.27	67.03	11.90	5879.67	0.27	3.19	12129.29	1568.09	73.83	1641.92	2336.27	0.70
2.59	3.15	495	0.25	67.16	11.90	5891.58	0.25	3.06	12132.34	1457.16	70.77	1527.93	2166.60	0.71
2.58	3.13	496	0.23	67.30	11.90	5903.48	0.22	2.80	12135.14	1316.84	67.97	1384.81	1954.01	0.71
3.33	3.11	497	0.21	67.44	11.90	5915.38	0.21	2.56	12137.71	1228.54	65.41	1293.95	1819.33	0.71



3.11	3.11	498	0.21	67.57	11.90	5927.28	0.21	2.47	12140.18	1229.78	62.94	1292.72	1817.51	0.71
2.50	3.11	499	0.21	67.71	11.90	5939.18	0.21	2.46	12142.64	1222.45	60.48	1282.93	1803.05	0.71
2.60	3.10	500	0.20	67.84	11.90	5951.09	0.20	2.42	12145.06	1195.82	58.06	1253.87	1760.25	0.71
2.43	3.10	501	0.20	67.98	11.90	5962.99	0.19	2.36	12147.41	1162.68	55.70	1218.38	1708.06	0.71
3.84	3.10	502	0.20	68.11	11.90	5974.89	0.19	2.30	12149.72	1145.35	53.40	1198.74	1679.23	0.71
5.50	3.10	503	0.20	68.25	11.90	5986.79	0.19	2.28	12152.00	1146.21	51.12	1197.33	1677.16	0.71
5.54	3.09	504	0.19	68.39	11.90	5998.70	0.19	2.27	12154.26	1137.29	48.85	1186.14	1660.80	0.71
7.44	3.09	505	0.19	68.52	11.90	6010.60	0.19	2.25	12156.52	1135.42	46.60	1182.02	1654.80	0.71
4.66	3.09	506	0.19	68.66	11.90	6022.50	0.19	2.25	12158.76	1135.37	44.35	1179.72	1651.45	0.71
3.63	3.09	507	0.19	68.79	11.90	6034.40	0.19	2.22	12160.99	1118.46	42.13	1160.59	1623.64	0.71
2.85	3.09	508	0.19	68.93	11.90	6046.30	0.18	2.20	12163.19	1116.42	39.92	1156.34	1617.48	0.71
3.82	3.09	509	0.19	69.06	11.90	6058.21	0.18	2.19	12165.38	1110.48	37.73	1148.22	1605.73	0.72
4.17	3.08	510	0.18	69.20	11.90	6070.11	0.18	2.16	12167.54	1092.07	35.57	1127.64	1576.01	0.72
2.65	3.08	511	0.18	69.34	11.90	6082.01	0.18	2.13	12169.67	1086.16	33.44	1119.60	1564.41	0.72
2.50	3.07	512	0.17	69.47	11.90	6093.91	0.17	2.06	12171.74	1024.04	31.38	1055.41	1472.05	0.72
3.08	3.07	513	0.17	69.61	11.90	6105.82	0.17	2.00	12173.73	1024.82	29.38	1054.20	1470.31	0.72
3.53	3.07	514	0.17	69.74	11.90	6117.72	0.16	1.97	12175.71	999.29	27.41	1026.69	1430.88	0.72
5.91	3.06	515	0.16	69.88	11.90	6129.62	0.16	1.92	12177.63	979.17	25.48	1004.66	1399.36	0.72
7.32	3.06	516	0.16	70.01	11.90	6141.52	0.16	1.89	12179.51	965.30	23.60	988.90	1376.87	0.72
6.41	3.06	517	0.16	70.15	11.90	6153.42	0.15	1.85	12181.37	949.28	21.75	971.03	1351.39	0.72
4.78	3.06	518	0.16	70.28	11.90	6165.33	0.15	1.84	12183.20	950.64	19.91	970.55	1350.71	0.72
3.54	3.04	519	0.14	70.42	11.90	6177.23	0.13	1.72	12184.92	827.81	18.19	846.00	1173.92	0.72
4.01	3.03	520	0.13	70.56	11.90	6189.13	0.12	1.54	12186.45	768.02	16.66	784.67	1087.04	0.72
4.49	3.03	521	0.13	70.69	11.90	6201.03	0.12	1.47	12187.92	761.89	15.19	777.08	1076.30	0.72
3.76	3.02	522	0.12	70.83	11.90	6212.93	0.11	1.41	12189.34	712.64	13.78	726.42	1004.80	0.72
3.07	3.02	523	0.12	70.96	11.90	6224.84	0.11	1.35	12190.69	702.72	12.42	715.14	988.91	0.72
2.75	3.01	524	0.11	71.10	11.90	6236.74	0.11	1.30	12192.00	662.31	11.12	673.43	930.27	0.72
3.07	3.00	525	0.10	71.23	11.90	6248.64	0.10	1.20	12193.20	599.90	9.91	609.81	841.00	0.73
5.08	2.99	526	0.09	71.37	11.90	6260.54	0.09	1.10	12194.30	558.30	8.81	567.11	781.20	0.73
6.07	2.97	527	0.07	71.51	11.90	6272.45	0.07	0.97	12195.27	458.79	7.85	466.63	640.73	0.73
7.20	2.97	528	0.07	71.64	11.90	6284.35	0.07	0.85	12196.12	436.33	7.00	443.32	608.21	0.73
7.72	2.96	529	0.06	71.78	11.90	6296.25	0.06	0.78	12196.89	383.45	6.22	389.67	533.50	0.73
5.74	2.96	530	0.06	71.91	11.90	6308.15	0.06	0.71	12197.61	373.42	5.51	378.92	518.56	0.73
2.90	2.96	531	0.06	72.05	11.90	6320.05	0.06	0.70	12198.31	372.12	4.80	376.93	515.78	0.73
2.69	2.96	532	0.06	72.18	11.90	6331.96	0.06	0.68	12198.99	353.27	4.12	357.39	488.73	0.73
3.48	2.96	533	0.06	72.32	11.90	6343.86	0.06	0.66	12199.65	349.96	3.46	353.42	483.25	0.73
3.77	2.96	534	0.06	72.46	11.90	6355.76	0.05	0.65	12200.30	345.55	2.81	348.36	476.26	0.73
2.81	2.94	535	0.04	72.59	11.90	6367.66	0.04	0.54	12200.85	235.32	2.27	237.58	323.73	0.73
1.92	2.93	536	0.03	72.73	11.90	6379.57	0.03	0.40	12201.25	191.87	1.87	193.74	263.46	0.74
2.17	2.92	537	0.02	72.86	11.90	6391.47	0.02	0.31	12201.56	142.64	1.56	144.20	195.50	0.74
3.66	2.92	538	0.02	73.00	11.90	6403.37	0.02	0.26	12201.82	141.88	1.29	143.17	194.10	0.74
5.10	2.92	539	0.02	73.13	11.90	6415.27	0.02	0.25	12202.08	130.84	1.04	131.87	178.66	0.74

7.26	2.92	540	0.02	73.27	11.90	6427.17	0.02	0.24	12202.32	128.32	0.80	129.11	174.89	0.74
9.72	2.92	541	0.02	73.41	11.90	6439.08	0.02	0.22	12202.54	109.23	0.58	109.81	148.61	0.74
4.99	2.92	542	0.02	73.54	11.90	6450.98	0.02	0.20	12202.74	108.20	0.38	108.57	146.93	0.74
3.69	2.92	543	0.02	73.68	11.90	6462.88	0.02	0.20	12202.93	107.18	0.18	107.36	145.27	0.74
3.36	2.91	544	0.01	73.81	11.90	6474.78	0.01	0.14	12203.07	41.96	0.04	42.00	56.77	0.74
6.12	2.90	545	0.00	73.95	11.90	6486.68	0.00	0.04	12203.11	2.51	0.00	2.51	3.40	0.74
4.66	2.90	546	0.00	74.08	11.90	6498.59	0.00	0.00	12203.12	1.13	0.00	1.13	1.53	0.74

---