



**KẾT QUẢ QUAN TRẮC KHÍ THẢI TỰ ĐỘNG, LIÊN TỤC
THÁNG 5.2024**

Tên: Chi nhánh Công ty Cổ phần Thép Việt Ý tại Hải Phòng
Địa chỉ: xã Hoàng Động và xã Kiến Bái, huyện Thủy Nguyên, Hải Phòng.
Thời gian: từ 00:00 ngày 1/5/2024 đến 23:59 ngày 31/5/2024

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LÊ VĂN B

#	Ngày	CO (mg/Nm ³)	NO _x (mg/Nm ³)	SO ₂ (mg/Nm ³)	O ₂ (%)	Bụi tổng (mg/Nm ³)	Lưu lượng 1 (m ³ /h)	Lưu lượng 2 (m ³ /h)	Nhiệt độ (°C)	Áp suất (KPa)
1	31/05/2024 23:00	1.12	21.19	73.05	5.61	6.62	1890.38	1755.44	30.43	101.33
2	31/05/2024 22:00	1.22	19.18	65.83	5.62	6.64	1905.49	1769.37	30.44	101.33
3	31/05/2024 21:00	1.12	20.93	71.81	5.69	9.5	1894.36	1759.82	30.44	101.33
4	31/05/2024 20:00	1.14	21.05	71.58	5.74	3.66	1905.1	3591.99	30.96	101.33
5	31/05/2024 19:00	1.19	18.35	63.11	5.85	3.21	1917.43	3605.12	31.07	101.33
6	31/05/2024 18:00	1.09	19.2	67.24	5.9	9.5	1910.67	1758.22	31.69	101.33
7	31/05/2024 17:00	1.17	21.33	71.33	5.91	7.32	1930.15	3611.88	32.64	101.33
8	31/05/2024 16:00	1.09	19.9	69.21	5.9	8.22	1913.85	1759.82	32.47	101.33
9	31/05/2024 15:00	1.08	20.51	70.04	5.77	8.63	1897.54	1748.68	32.05	101.33
10	31/05/2024 14:00	1.18	19.65	66.91	5.77	15.49	1907.88	1764.2	30.59	101.33
11	31/05/2024 13:00	1.08	14.68	53.51	5.76	16.9	1885.61	1745.09	31.1	101.33
12	31/05/2024 12:00	1.09	30.86	90.99	5.71	13.08	1895.55	1752.66	31.94	101.33
13	31/05/2024 11:00	1.09	21.5	72.66	5.74	11.27	1887.2	5420.17	31.68	101.33
14	31/05/2024 10:00	1.13	18.26	62.89	5.87	13.93	1889.98	1758.23	30.48	101.33
15	31/05/2024 09:00	0.98	18.48	66.24	5.86	20	1833.9	1724.01	28.78	101.33
16	31/05/2024 08:00	1.12	17.26	59.44	5.82	20.8	1856.18	3579.65	28.54	101.33
17	31/05/2024 07:00	1.12	18.82	66.97	5.81	15.44	1867.31	2752.09	28.91	101.33
18	31/05/2024 06:00	1.11	22.11	71.69	5.95	12.04	1849.82	1732.76	29.17	101.33
19	31/05/2024 05:00	1.13	27.65	80.32	5.98	14.63	1866.92	1749.07	29.17	101.33
20	31/05/2024 04:00	1.09	22.34	74.97	5.78	17.75	1838.68	1728.78	29.17	101.33
21	31/05/2024 03:00	1.06	21.38	72.17	5.74	17.3	1841.46	1727.59	29.16	101.33
22	31/05/2024 02:00	1.2	19.27	64.28	5.72	18.16	1883.22	1755.44	29.65	101.33
23	31/05/2024 01:00	1.14	19.81	68.52	5.73	15.13	1872.48	1745.1	30.22	101.33
24	31/05/2024 00:00	1.21	14.55	52.63	5.81	15.34	1891.58	1761.01	30.44	101.33
25	30/05/2024 23:00	1.17	31.1	91.13	5.85	18.17	1873.68	1745.89	30.63	101.33
26	30/05/2024 22:00	1.17	23.56	75.52	5.94	16.65	1878.85	1748.68	31.36	101.33
27	30/05/2024 21:00	1.22	20.89	68.16	6.27	13.72	1905.89	1765.79	32.22	101.33
28	30/05/2024 20:00	1.21	21.27	67.95	6.15	12.07	1909.47	1762.6	32.59	101.33
29	30/05/2024 19:00	1.16	22.74	74.02	6.26	12.65	1907.09	1764.59	32.95	101.33
30	30/05/2024 18:00	1.06	22.24	73.9	6.24	11.73	2059.02	1722.02	33.82	101.33
31	30/05/2024 17:00	1.19	20.32	66.85	6.05	8.64	3066.08	1766.58	35.04	101.33
32	30/05/2024 16:00	1.14	22.88	74.39	6.01	5.61	3367.96	1761.41	36.4	101.33
33	30/05/2024 15:00	1.18	21.27	68.52	6	0.79	3537.79	1771.36	38.76	101.32
34	30/05/2024 14:00	1.09	23.57	75.8	6.04	0	1951.23	1738.33	39.37	101.32
35	30/05/2024 13:00	0.98	23.6	75.85	6.21	0	1950.44	1730.77	39.21	101.32
36	30/05/2024 12:00	1.12	20.76	66.93	6.23	0	1956.81	1762.2	38.49	101.32
37	30/05/2024 11:00	1.12	22.43	72.66	6.23	1.8	1933.73	1748.68	37.23	101.33
38	30/05/2024 10:00	1.16	23.47	74.74	6.18	2.81	1941.29	1759.42	36.7	101.33
39	30/05/2024 09:00	1.15	21.46	68.69	6.18	6.83	1940.5	3601.53	35.19	101.33



40	30/05/2024 08:00	1.14	22.85	74.17	6.2	8.21	2767.78	1745.89	32.47	101.33
41	30/05/2024 07:00	1.24	20.77	66.68	6.19	10.09	3064.09	1767.38	31.85	101.33
42	30/05/2024 06:00	1.14	21.3	70.28	6.14	10.52	1895.15	1752.26	30.69	101.33
43	30/05/2024 05:00	1.14	20.83	68.29	6.09	10.59	1876.06	7959.35	30.43	101.33
44	30/05/2024 04:00	1.24	17.49	58.96	5.96	10.51	1911.46	1763.8	30.44	101.33
45	30/05/2024 03:00	1.2	13.2	47.82	5.96	10.78	1909.87	1763	30.45	101.33
46	30/05/2024 02:00	1.21	39.01	108.46	5.96	11.63	1901.52	1750.67	30.44	101.33
47	30/05/2024 01:00	1.14	23.1	74.73	5.97	12.02	1894.36	1742.71	30.44	101.33
48	30/05/2024 00:00	1.21	20.71	67.03	5.97	12.71	1921.01	1758.63	30.92	101.33
49	29/05/2024 23:00	1.08	23.53	75.43	5.97	12.44	3608.19	1738.73	31.06	101.33
50	29/05/2024 22:00	1.23	20.85	67.3	5.94	11.83	1924.98	1764.2	31.55	101.33
51	29/05/2024 21:00	1.17	23.81	75.9	5.99	12.45	2917.33	3590.79	31.7	101.33
52	29/05/2024 20:00	1.11	23.38	75.98	5.94	12.19	1911.46	1745.1	31.85	101.33
53	29/05/2024 19:00	1.21	21.44	68.28	6	11.49	2750.28	5427.74	32.91	101.33
54	29/05/2024 18:00	1.07	22.55	73.28	6	7.69	5771.07	7236.03	35.73	101.33
55	29/05/2024 17:00	1.09	22.59	72.96	6.03	1.11	2357.32	1755.84	40.22	101.32
56	29/05/2024 16:00	1.2	21.78	68.43	6.07	0	1995.38	1770.56	42.26	101.32
57	29/05/2024 15:00	1.15	23.06	73.11	6.14	0	1995.38	1764.2	42.21	101.32
58	29/05/2024 14:00	1.19	20.74	66.27	6.17	0	1990.61	3603.13	40.69	101.32
59	29/05/2024 13:00	0.98	22.39	72.49	6.14	0	1944.47	5404.26	39.43	101.32
60	29/05/2024 12:00	1.06	21.47	70.62	6.14	0	1962.37	1752.66	39.01	101.32
61	29/05/2024 11:00	1.14	19.5	63.34	6.13	0	1972.71	1761.01	39.84	101.32
62	29/05/2024 10:00	1.13	21.38	66.59	6.12	0.15	1964.36	3603.12	38.75	101.33
63	29/05/2024 09:00	1	26.6	81.25	6.12	1.67	1922.2	1732.36	37.22	101.33
64	29/05/2024 08:00	1.09	23.11	73.91	6.27	6.9	1931.74	1755.44	35.4	101.33
65	29/05/2024 07:00	1.23	21.2	66.78	6.24	8.91	2004.53	1771.75	32.48	101.33
66	29/05/2024 06:00	1.05	23.39	74.84	6.25	11.27	1849.41	1724.41	31.5	101.33
67	29/05/2024 05:00	1.14	20.4	65.58	6.26	13.99	1899.53	1763.4	31.22	101.33
68	29/05/2024 04:00	1.07	22.47	72.53	6.25	13.88	1932.14	1723.61	31.67	101.33
69	29/05/2024 03:00	1.09	21.33	70.03	6.25	13.3	1924.19	3577.27	31.68	101.33
70	29/05/2024 02:00	1.16	17.08	56.47	6.17	12.83	1902.71	1759.42	31.69	101.33
71	29/05/2024 01:00	1.03	28.48	82.57	6.03	12.22	1880.84	1723.61	32.14	101.33
72	29/05/2024 00:00	1.1	25.95	79.43	5.99	11.88	2081.3	1737.54	32.31	101.33
73	28/05/2024 23:00	1.15	21.65	68.17	6.04	10.77	1916.24	1760.21	32.32	101.33
74	28/05/2024 22:00	1.08	24.44	76.3	6.06	11.48	1984.65	1744.7	32.89	101.33
75	28/05/2024 21:00	1.17	20.91	65.93	6.03	10.42	3153.19	9098.44	32.95	101.33
76	28/05/2024 20:00	1.02	23.68	74.19	6.01	10.01	2698.18	3578.46	33.41	101.33
77	28/05/2024 19:00	1.11	24.29	77.24	6.17	7.93	3437.17	1747.88	34.68	101.33
78	28/05/2024 18:00	1.1	21.48	68.04	6.23	3.95	1950.44	9083.71	35.88	101.33
79	28/05/2024 17:00	1.1	21.6	67.48	6.21	2.34	1958	1757.03	36.88	101.33
80	28/05/2024 16:00	1.09	23.5	73.91	6.18	0	1965.15	1748.28	38.39	101.32
81	28/05/2024 15:00	1.04	24.82	76.41	6.19	0	1958.39	1742.32	39.22	101.32
82	28/05/2024 14:00	1.07	22.94	70.77	6.36	0	1983.85	1763	39.65	101.32
83	28/05/2024 13:00	1.14	24.65	76.33	6.27	0	1980.27	1753.05	40.27	101.32
84	28/05/2024 12:00	1.09	21.89	67.99	6.24	0	1976.29	3594.77	40.48	101.32
85	28/05/2024 11:00	1.16	24.14	75.69	6.26	0	1978.28	1751.86	40.47	101.32
86	28/05/2024 10:00	1.17	24.07	74.54	6.24	0	1963.56	1760.21	38.59	101.32
87	28/05/2024 09:00	1.23	20.92	65.53	6.24	0.24	1953.22	3597.95	35.88	101.32
88	28/05/2024 08:00	1.18	26.19	77.54	6.29	4.97	1928.57	1755.44	33.99	101.33

89	28/05/2024 07:00	1.18	26.26	80.03	6.08	8.94	1887.59	1729.18	31.26	101.33
90	28/05/2024 06:00	1.27	22.4	67.89	6.04	9.59	1908.68	1755.44	30.44	101.33
91	28/05/2024 05:00	1.18	23.61	72.15	6.06	7.34	1902.31	7245.58	30.44	101.33
92	28/05/2024 04:00	1.17	18.36	58.26	6	5.38	1901.91	3510.03	30.44	101.33
93	28/05/2024 03:00	1.18	27.51	78.34	6.06	5.36	1898.34	1743.11	30.49	101.33
94	28/05/2024 02:00	1.18	28.59	83.78	6.05	10.01	1907.09	3580.84	31.38	101.33
95	28/05/2024 01:00	1.21	22.64	68.28	6.08	8.87	1932.54	7258.71	32.28	101.33
96	28/05/2024 00:00	1.22	23.43	69.56	6.19	3.09	1944.08	1760.22	32.96	101.33
97	27/05/2024 23:00	1.13	25.39	75.77	6.28	3.09	1921.8	1741.52	32.95	101.33
98	27/05/2024 22:00	1.06	24.41	73.52	6.26	5.15	1896.35	1718.44	32.94	101.33
99	27/05/2024 21:00	1.2	24.4	71.53	6.21	6.58	1950.04	9702.39	33.32	101.33
100	27/05/2024 20:00	1.1	24.78	75.14	6.16	5.84	1926.57	7236.83	34	101.33
101	27/05/2024 19:00	1.28	21.17	63.87	6.16	5.93	1969.13	1771.36	34.8	101.33
102	27/05/2024 18:00	1.18	27.37	80.84	6.09	5.43	1964.76	1753.85	36	101.33
103	27/05/2024 17:00	1.17	25.19	75.42	5.95	5.1	1958.79	1751.86	37.61	101.33
104	27/05/2024 16:00	1.14	21.81	65.58	5.99	3.42	1956.4	1720.43	39.43	101.33
105	27/05/2024 15:00	1.19	21.08	65.23	6.04	0.54	1987.02	5423.76	40.22	101.33
106	27/05/2024 14:00	1.13	34.82	95.96	6.03	0.01	1953.22	1748.68	39.85	101.32
107	27/05/2024 13:00	1.26	26.26	75.22	5.97	0	1978.68	1758.63	39.28	101.32
108	27/05/2024 12:00	1.23	27.92	79.49	5.86	0.66	1959.99	1744.7	38.49	101.32
109	27/05/2024 11:00	1.34	25.38	71.53	5.92	4.86	1956.41	1745.89	38.33	101.33
110	27/05/2024 10:00	1.34	29.43	82.07	5.72	2.34	1952.83	1749.87	36.71	101.33
111	27/05/2024 09:00	1.34	28.53	81.33	5.37	0	1937.71	1756.64	36.91	101.32
112	27/05/2024 08:00	1.39	25.96	73.08	5.4	0.02	1934.93	9106.39	33.73	101.32
113	27/05/2024 07:00	1.44	26.49	73.24	5.52	0.51	1934.53	1766.58	31.85	101.33
114	27/05/2024 06:00	1.33	27.82	79.19	5.52	0.93	1901.12	1744.7	30.79	101.33
115	27/05/2024 05:00	1.35	28.01	78.07	5.53	2.64	1896.35	1747.49	30.43	101.33
116	27/05/2024 04:00	1.45	21.4	62.65	5.55	4.93	1911.46	1769.37	30.44	101.33
117	27/05/2024 03:00	1.33	17.99	54.9	5.57	9.88	1899.13	1745.89	30.43	101.33
118	27/05/2024 02:00	1.47	38.72	98.24	5.57	13.52	1919.42	1763.4	30.44	101.33
119	27/05/2024 01:00	1.37	29.21	81.43	5.71	10.48	1905.49	1752.26	30.43	101.33
120	27/05/2024 00:00	1.36	28.01	79.33	5.72	9.43	1902.31	3575.67	30.43	101.33
121	26/05/2024 23:00	1.44	26.45	73.84	5.67	13.47	1915.83	1757.03	30.44	101.33
122	26/05/2024 22:00	1.36	29.34	81.84	5.71	10.84	1903.51	1744.3	30.95	101.33
123	26/05/2024 21:00	1.35	28.87	80.83	5.72	7.3	1907.88	1741.12	31.11	101.33
124	26/05/2024 20:00	1.44	26.09	72.49	5.73	8.9	1926.58	1759.82	31.69	101.33
125	26/05/2024 19:00	1.36	26.53	74.85	5.88	11.12	1919.41	1748.28	32.68	101.33
126	26/05/2024 18:00	1.37	21.6	62.38	5.95	10.54	1941.69	1760.22	35.35	101.33
127	26/05/2024 17:00	1.39	28.8	75.07	5.9	5.44	1945.27	7258.31	38.12	101.33
128	26/05/2024 16:00	1.34	23.39	67.83	5.94	4.96	1937.71	1743.11	38.47	101.33
129	26/05/2024 15:00	1.43	35	88.68	5.95	3.27	1957.2	1754.25	37.96	101.33
130	26/05/2024 14:00	1.42	26.94	74.32	5.71	3.39	1965.55	1767.38	37.23	101.33
131	26/05/2024 13:00	1.44	28.52	79.15	5.44	5.05	1934.13	1758.23	36.7	101.33
132	26/05/2024 12:00	1.36	25.58	72.2	5.5	6.51	1930.56	1744.3	36.06	101.33
133	26/05/2024 11:00	1.42	31.36	82.5	5.58	8.75	1955.22	1746.69	36.33	101.33
134	26/05/2024 10:00	1.39	29.4	80.5	5.61	10.93	1937.31	1753.45	34.81	101.33
135	26/05/2024 09:00	1.42	27.27	74.78	5.62	12.87	1943.68	1763.8	33.73	101.33
136	26/05/2024 08:00	1.36	29	80.32	5.63	14.23	1897.94	1730.38	32.04	101.33
137	26/05/2024 07:00	1.41	29.34	80.99	5.65	15.02	1901.52	1754.25	30.01	101.33

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138	26/05/2024 06:00	1.44	25.52	70.51	5.69	16.4	1901.52	1755.04	29.17	101.33
139	26/05/2024 05:00	1.45	27	73.94	5.6	14.35	1894.76	9106.39	29.17	101.33
140	26/05/2024 04:00	1.35	33.04	88.58	5.61	13.05	1877.65	1738.33	29.16	101.33
141	26/05/2024 03:00	1.46	26.2	71.95	5.73	14.21	1888.79	1743.11	28.76	101.33
142	26/05/2024 02:00	1.33	27.36	76.3	5.85	19.31	1884.81	1747.88	28.54	101.33
143	26/05/2024 01:00	1.42	20.49	59.63	5.82	19.31	1890.78	1752.66	29.01	101.33
144	26/05/2024 00:00	1.33	28.46	73.16	5.81	19.07	1876.46	1737.94	29.17	101.33
145	25/05/2024 23:00	1.36	34.58	92.91	5.81	19.57	1879.25	1719.63	29.17	101.33
146	25/05/2024 22:00	1.4	23.97	66.56	5.83	19.91	1887.6	3578.06	29.17	101.33
147	25/05/2024 21:00	1.38	19.2	55.68	5.8	18.86	1875.27	1734.35	29.37	101.33
148	25/05/2024 20:00	1.4	37.16	94.61	5.76	17.44	2604.31	1735.94	29.96	101.33
149	25/05/2024 19:00	1.32	21.76	65.18	5.77	14.8	1892.37	7236.82	30.63	101.33
150	25/05/2024 18:00	1.4	18.7	51.7	5.47	13.14	1880.04	1739.52	31.36	101.33
151	25/05/2024 17:00	1.3	41.3	101.26	5.48	11.67	1884.02	1736.35	32.1	101.33
152	25/05/2024 16:00	1.3	27.37	74.54	5.49	10.68	1883.62	1722.82	33.24	101.33
153	25/05/2024 15:00	1.26	29.45	80.26	5.49	7.03	1885.21	1708.49	35.8	101.33
154	25/05/2024 14:00	1.29	30.09	82.21	5.47	4.29	1924.19	1737.54	36.32	101.33
155	25/05/2024 13:00	1.41	25.65	70.09	5.48	4.01	1946.06	6151.45	36.6	101.33
156	25/05/2024 12:00	1.34	25.69	71.64	5.46	3.75	1922.2	1747.88	35.65	101.33
157	25/05/2024 11:00	1.26	23.21	64.11	5.4	8.22	1877.26	1720.43	33.85	101.33
158	25/05/2024 10:00	1.34	32.08	80.4	5.48	13.34	1882.43	1743.11	30.42	101.33
159	25/05/2024 09:00	1.35	25	66.03	5.46	19.68	1856.18	1727.99	29.32	101.33
160	25/05/2024 08:00	1.34	37.36	94.1	5.45	13.68	1885.61	1735.15	30.37	101.33
161	25/05/2024 07:00	1.37	28.54	77.16	5.48	13	1880.84	1738.73	29.8	101.33
162	25/05/2024 06:00	1.3	25.01	70.95	5.64	11.59	1854.59	1720.43	29.79	101.33
163	25/05/2024 05:00	1.28	19.53	53.86	5.67	8.59	1872.88	5395.11	29.8	101.33
164	25/05/2024 04:00	1.41	37.42	92.79	5.67	8.97	1886.01	1740.72	29.81	101.33
165	25/05/2024 03:00	1.43	25.72	69.09	5.73	10.47	1889.59	1750.67	29.81	101.33
166	25/05/2024 02:00	1.34	25.33	69.89	5.74	10.9	1868.51	1733.56	29.8	101.33
167	25/05/2024 01:00	1.39	24.79	63.01	5.32	9.06	1883.62	1735.55	30.22	101.33
168	25/05/2024 00:00	1.28	40.03	101.25	5.3	10.3	1879.64	1728.78	30.43	101.33
169	24/05/2024 23:00	1.34	24.93	67.06	5.32	14.77	1883.22	1748.67	30.44	101.33
170	24/05/2024 22:00	1.37	26.71	71.46	5.36	15.27	1887.6	1734.75	30.74	101.33
171	24/05/2024 21:00	1.31	36.19	88.78	5.42	14.01	1882.82	1722.42	31.05	101.33
172	24/05/2024 20:00	1.38	26.55	70.82	5.45	14.31	1897.14	5409.83	31.48	101.33
173	24/05/2024 19:00	1.39	26.39	69.28	5.46	12.78	1906.69	1743.5	31.9	101.33
174	24/05/2024 18:00	1.29	32.72	83.45	5.47	10.76	1890.78	1724.01	32.94	101.33
175	24/05/2024 17:00	1.31	26.84	71.36	5.36	11.59	1901.91	1743.11	33.57	101.33
176	24/05/2024 16:00	1.35	26.59	71.72	5.35	10.31	1916.23	3569.31	33.94	101.33
177	24/05/2024 15:00	1.37	26.21	68.07	5.34	1	1952.83	1751.06	36.97	101.32
178	24/05/2024 14:00	1.35	34.09	83.7	5.47	0.05	1925.38	1733.56	36.44	101.32
179	24/05/2024 13:00	1.32	33.65	87.93	5.49	6.26	1941.29	1748.68	36.24	101.33
180	24/05/2024 12:00	1.2	26.41	69.72	5.51	0	1909.08	1721.22	39.78	101.32
181	24/05/2024 11:00	1.27	23.96	65.45	5.53	0.38	1915.44	1726.4	38.62	101.33
182	24/05/2024 10:00	1.3	21.83	58.08	5.55	2.36	1909.87	1731.57	38.21	101.33
183	24/05/2024 09:00	1.32	41.52	101.31	5.58	2.68	1902.32	1735.54	34.55	101.33
184	24/05/2024 08:00	1.33	28.5	74.56	5.61	2.04	1906.29	1746.69	33.83	101.33
185	24/05/2024 07:00	1.33	27.21	71.37	5.28	5.04	1891.97	1735.15	34.82	101.33
186	24/05/2024 06:00	1.39	24.46	65.29	5.26	7.14	1893.16	1727.99	34.3	101.33

187	24/05/2024 05:00	1.37	20.9	57.41	5.28	8.97	1865.33	1714.06	34.19	101.33
188	24/05/2024 04:00	1.38	41.74	99.96	5.28	8.95	1891.58	5410.23	34.4	101.33
189	24/05/2024 03:00	1.3	23.61	61.93	5.27	10.42	1887.6	1734.75	34.81	101.33
190	24/05/2024 02:00	1.41	32.05	77.38	5.29	12.62	1894.36	1744.7	34.82	101.33
191	24/05/2024 01:00	1.32	33.99	86.61	5.28	12.27	1879.25	1723.61	35.34	101.33
192	24/05/2024 00:00	1.34	25.65	66.46	5.29	11.63	1884.02	1726	35.7	101.33
193	23/05/2024 23:00	1.43	30.82	74.84	5.35	7.43	1906.69	1728.38	36.49	101.33
194	23/05/2024 22:00	1.27	24.9	64.46	5.31	5.84	1899.93	1726	36.7	101.33
195	23/05/2024 21:00	1.3	34.22	82.2	5.31	7.76	1892.37	9062.63	37.32	101.33
196	23/05/2024 20:00	1.31	27.89	70.1	5.3	11.13	1915.44	3568.51	37.7	101.33
197	23/05/2024 19:00	1.41	25.09	62.76	5.49	11.26	1928.56	1750.27	38.18	101.33
198	23/05/2024 18:00	1.31	24.12	59.1	5.6	10.69	1901.12	1725.6	39.01	101.33
199	23/05/2024 17:00	1.37	35.88	85.57	5.62	8.08	1933.33	1745.09	40.16	101.33
200	23/05/2024 16:00	1.3	28.98	71.68	5.68	7.11	1911.46	1713.67	41.3	101.33
201	23/05/2024 15:00	1.39	37.91	88.68	5.67	3.15	1954.02	1749.87	42.78	101.33
202	23/05/2024 14:00	1.25	24.52	62.54	5.6	1.23	1926.97	1712.47	44.07	101.33
203	23/05/2024 13:00	1.28	28.88	70.84	5.35	1.68	1926.18	1719.24	44.23	101.33
204	23/05/2024 12:00	1.28	34.16	82.93	5.29	1.55	1936.92	3567.72	44.75	101.33
205	23/05/2024 11:00	1.33	24.32	58.92	5.33	1.63	1943.28	1734.75	45.18	101.33
206	23/05/2024 10:00	1.4	36.9	86.09	5.31	0	1959.19	1753.85	45.18	101.32
207	23/05/2024 09:00	1.4	26.75	69.4	5.31	1.11	1955.61	1752.26	45.49	101.32
208	23/05/2024 08:00	1.09	22.31	55.94	5.34	7.61	1890.38	3531.51	46.26	101.33
209	23/05/2024 07:00	1.35	41.43	95.16	5.28	10.13	1934.53	1732.36	46.38	101.33
210	23/05/2024 06:00	1.71	31.71	78.38	5.32	10.43	17587.33	21453.33	49.12	101.33
211	23/05/2024 05:00	53.51	29.68	74.27	5.23	10.32	231388.95	294073.13	77.21	101.33
212	23/05/2024 04:00	184.55	22.37	61.01	5.21	9.05	314810.76	365371.7	88.95	101.33
213	23/05/2024 03:00	163.74	40.25	96.19	5.23	7.95	317252.06	368205.7	88.27	101.33
214	23/05/2024 02:00	207.08	32.02	81.08	5.33	8.39	314919.74	366638.51	87.88	101.33
215	23/05/2024 01:00	130.02	30.05	80.76	5.37	11.71	321634.67	368649.3	82.68	101.33
216	23/05/2024 00:00	151.08	21.39	60.5	5.37	8.7	321308.53	372355.83	83.81	101.33
217	22/05/2024 23:00	172.86	32.01	83.58	5.45	10.9	317293.81	367135.44	82.54	101.33
218	22/05/2024 22:00	164.27	37.93	100.49	5.44	18.05	332452.63	372325.17	72.63	101.33
219	22/05/2024 21:00	205.07	31.76	82.34	5.46	17.76	301413.51	363224.41	75.53	101.33
220	22/05/2024 20:00	102.83	23.1	63.15	5.58	16.82	311410.53	322032.29	53.76	101.33
221	22/05/2024 19:00	6.97	40.63	93.87	5.73	8.75	53375.79	63601.95	46.35	101.33
222	22/05/2024 18:00	18.22	27.27	68.69	5.29	5.23	5145.04	13875.6	51.6	101.33
223	22/05/2024 17:00	69.77	20.14	52	5.25	0.01	270619.78	333490.38	85.82	101.32
224	22/05/2024 16:00	172.4	39.65	95.25	5.29	0	313412.32	367995.62	94.93	101.32
225	22/05/2024 15:00	155.42	31.95	78.67	5.28	0.36	319598.28	368403.83	91.32	101.32
226	22/05/2024 14:00	44.11	33.63	79.55	5.33	0.27	341508.22	385848.22	68.35	101.32
227	22/05/2024 13:00	138.02	32.35	79.97	5.24	0	327681.01	377884.94	91.84	101.32
228	22/05/2024 12:00	174.11	21.65	58.85	5.23	0	313580.17	363174.29	94.09	101.32
229	22/05/2024 11:00	230.89	35.82	88.22	5.26	0	316914.38	372112.74	96.37	101.32
230	22/05/2024 10:00	177.8	32.85	81.22	5.2	0	324648.3	372336.73	93.97	101.32
231	22/05/2024 09:00	156.6	44.24	102.56	5.19	0	325354.68	375522.84	93.11	101.32
232	22/05/2024 08:00	152.26	29.88	74.34	5.27	1.84	328938.25	375874.15	84.58	101.32
233	22/05/2024 07:00	161.68	19.97	53.57	5.27	11	330978.63	380995.85	88.39	101.33
234	22/05/2024 06:00	207.74	35.44	81.81	5.31	12.2	319411.74	367813.39	86.44	101.33
235	22/05/2024 05:00	187.82	39.06	92.37	5.36	12.6	319024.35	373527.55	84.62	101.33

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236	22/05/2024 04:00	177.28	37.5	90.44	5.47	6.16	321513.77	367898.94	83.73	101.33
237	22/05/2024 03:00	111.44	33.68	84.85	5.55	5.52	326976.62	369140.28	77.88	101.33
238	22/05/2024 02:00	139.11	33.54	86.79	5.49	4.61	326720.09	373401.81	81.37	101.33
239	22/05/2024 01:00	134.25	28.89	76.76	5.34	6.71	326719.69	372258.34	81.28	101.33
240	22/05/2024 00:00	130.61	34.24	86.26	5.35	2.95	323744.25	374016.51	83.09	101.33
241	21/05/2024 23:00	128.5	30.38	80.03	5.5	0.88	323782.83	367475.23	84.04	101.33
242	21/05/2024 22:00	176.75	33.46	87.21	5.5	6.43	328027.04	374483.21	80	101.33
243	21/05/2024 21:00	97.46	30.22	77.9	5.46	8.75	322253.54	370099.15	78.22	101.33
244	21/05/2024 20:00	163.63	30.01	74.69	5.52	21.38	278227.24	348703.56	70.3	101.33
245	21/05/2024 19:00	13.48	27.87	70.15	5.55	21.14	45331.62	69810.23	38.02	101.33
246	21/05/2024 18:00	2.95	28.22	73.15	5.46	9.18	36068.41	52322.07	52.8	101.33
247	21/05/2024 17:00	99.85	21.13	56.07	5.35	1.53	284865.4	338932.01	93.29	101.33
248	21/05/2024 16:00	178.26	30.15	73.74	5.44	0	311279.28	370169.95	94.86	101.32
249	21/05/2024 15:00	167.84	39.45	96.88	5.46	0	306950.36	368021.08	98.56	101.32
250	21/05/2024 14:00	158.04	25.99	67.77	5.44	0	310520.81	368548.26	98.22	101.32
251	21/05/2024 13:00	220.47	29.3	74.91	5.25	0	264017.42	349864.13	102.95	101.32
252	21/05/2024 12:00	210.67	39.53	100.31	5.21	0	294099.19	356923.03	101.96	101.32
253	21/05/2024 11:00	187.35	31.15	80.39	5.21	0	294908.17	354488.9	98.45	101.32
254	21/05/2024 10:00	192.34	31.22	80.25	5.23	0	304610.89	356228.77	93.53	101.32
255	21/05/2024 09:00	179.46	33.27	86.23	5.11	2.52	309009.82	357950.73	89.85	101.33
256	21/05/2024 08:00	131.23	30.35	79.29	4.98	8.66	311424.86	357438.68	86.82	101.33
257	21/05/2024 07:00	129.52	29.33	73.98	5.02	7.12	320916.75	362125.52	84.22	101.33
258	21/05/2024 06:00	165.25	27.43	70.15	5.01	6.96	319763.74	369486.01	85.89	101.33
259	21/05/2024 05:00	128.84	32.05	80.33	5.24	6.04	318093.65	371426.4	82.38	101.33
260	21/05/2024 04:00	160.75	20.72	57.16	5.36	0.12	316136.4	380132.09	85.15	101.32
261	21/05/2024 03:00	165.72	32.8	83.7	5.46	0.28	318592.81	376644.81	82.55	101.33
262	21/05/2024 02:00	154.61	38.82	98.23	5.46	2.26	301940.9	378714.1	91.87	101.33
263	21/05/2024 01:00	141.26	31.73	86.96	5.27	0.13	282272.97	370943.81	89.26	101.32
264	21/05/2024 00:00	160.22	27.4	71.32	5.22	3.95	314737.97	377887.34	84.37	101.33
265	20/05/2024 23:00	161.42	31.55	78.29	5.24	0	314103.19	376807.53	86.03	101.32
266	20/05/2024 22:00	174.67	31.81	81.54	5.16	0	317880.07	376503.57	83.42	101.32
267	20/05/2024 21:00	169.15	32.71	83.81	5.19	4.32	311352.86	373101.03	81.69	101.33
268	20/05/2024 20:00	273.2	34.5	90.36	5.36	13.3	249596.8	334972.85	73.1	101.33
269	20/05/2024 19:00	4.13	27	66.72	5.35	10.77	56469.75	65589.67	44.26	101.33
270	20/05/2024 18:00	2.37	34.13	83.68	5.34	11.31	2012.88	1749.08	48.04	101.33
271	20/05/2024 17:00	22.6	25.81	66.46	5.33	5.77	258692.56	304393.73	76.64	101.33
272	20/05/2024 16:00	212.56	33.73	84.78	5.31	0.13	312221.91	374907.72	93.16	101.32
273	20/05/2024 15:00	176.32	32.35	84.04	5.36	1.56	298226.87	366116.92	92.32	101.33
274	20/05/2024 14:00	194.14	26.92	71.58	5.36	2.49	296531.72	357580.33	89.98	101.33
275	20/05/2024 13:00	157.44	26.34	68.23	5.08	5.15	303938.72	364232.22	87.84	101.33
276	20/05/2024 12:00	218.04	28.71	72.99	5.2	1.19	297473.95	360325.18	90.5	101.32
277	20/05/2024 11:00	183.46	25.28	64.74	5.25	3.26	306838.2	366822.31	91.7	101.33
278	20/05/2024 10:00	159.8	31.54	79.04	5.22	10.74	299424.04	363301.2	89.53	101.33
279	20/05/2024 09:00	183.18	32.42	80.63	5.42	13.59	298364.08	358430.15	85.71	101.33
280	20/05/2024 08:00	199.49	39.29	97.99	5.41	9.68	299086.77	354352.85	88.06	101.33
281	20/05/2024 07:00	176.89	21.1	58.85	5.42	11.05	315574.8	368329.42	87.33	101.33
282	20/05/2024 06:00	154.42	40.01	98.37	5.39	10.47	322622.24	371543.37	83.26	101.33
283	20/05/2024 05:00	142.14	29.96	79.68	5.42	18.2	326153.32	372967.35	79.34	101.33
284	20/05/2024 04:00	112.03	28.12	73.65	5.43	12.35	328239.04	369462.96	79.75	101.33

285	20/05/2024 03:00	199.91	28.97	77.55	5.32	4.92	307978.5	359966.7	84.97	101.33
286	20/05/2024 02:00	138.07	32.36	81.07	5.26	14.69	321419.1	368714.56	81.95	101.33
287	20/05/2024 01:00	154.44	28.59	74.8	5.32	19.68	325548.77	371545.78	80.41	101.33
288	20/05/2024 00:00	159.83	22.14	62.25	5.28	20.83	322135.82	367422.69	80.3	101.33
289	19/05/2024 23:00	144.09	32.05	83.09	5.19	17.58	321676.03	374595.81	82.88	101.33
290	19/05/2024 22:00	140.74	37.28	91.36	4.96	10.75	332707.98	375927.05	82.63	101.33
291	19/05/2024 21:00	189.84	29.14	79.21	5.03	10.41	337361.85	382345.42	83.19	101.33
292	19/05/2024 20:00	148.69	26.74	74.28	5.13	13.2	333308.15	384752.1	81.59	101.33
293	19/05/2024 19:00	125.62	26.98	73.71	5.15	18.95	342551.48	379197.91	72.56	101.33
294	19/05/2024 18:00	180.16	28.72	74.21	5.15	24.89	339049.84	377067.33	67.4	101.33
295	19/05/2024 17:00	225.35	25.39	74.48	5.18	14.26	308563.95	358192.64	73.5	101.33
296	19/05/2024 16:00	133.7	19.84	55.29	5.27	6.59	321502.22	382405.5	93.61	101.33
297	19/05/2024 15:00	195.04	51.47	126.06	5.32	0.17	297884.41	370689.16	94.23	101.32
298	19/05/2024 14:00	204.18	17	54.19	5.31	0	295985.24	370743.67	98	101.32
299	19/05/2024 13:00	185.63	28.25	74.04	5.27	0	302282.15	374803.49	92.42	101.32
300	19/05/2024 12:00	168.72	29.25	74.19	5.25	0	301671.64	376961.52	95.18	101.32
301	19/05/2024 11:00	147.65	29.07	77.91	5.34	0	305485.9	373176.6	92.18	101.32
302	19/05/2024 10:00	190.84	22.1	63.77	5.38	0	306392.33	374410.78	89.19	101.32
303	19/05/2024 09:00	153.85	35.71	89.54	5.44	2.59	309066.3	380842.67	88.24	101.33
304	19/05/2024 08:00	185.65	24.45	70.19	5.32	12.5	307230.35	373567.71	88.12	101.33
305	19/05/2024 07:00	167.84	19.92	57.02	5.35	18.95	311661.9	371964.72	83.93	101.33
306	19/05/2024 06:00	173.97	35.7	90.17	5.37	17.21	312514.24	375574.56	85.81	101.33
307	19/05/2024 05:00	149.05	36.46	91.84	5.45	19.43	293038.03	370746.85	85.98	101.33
308	19/05/2024 04:00	144.87	28.26	77.15	5.44	16.21	313129.54	375895.22	81.77	101.33
309	19/05/2024 03:00	120.03	27.3	75.6	5.51	17.06	316136.01	382766.78	83.59	101.33
310	19/05/2024 02:00	174.4	27.84	78.93	5.7	16.65	310030.8	374482.41	85.82	101.33
311	19/05/2024 01:00	157.55	23.62	67.46	5.71	14.54	316508.69	380857.79	81.46	101.33
312	19/05/2024 00:00	118.14	19.12	59.53	5.72	12.52	319757.78	384136.6	79.29	101.33
313	18/05/2024 23:00	86.71	23.43	63.92	5.74	12.89	324565.97	390483.75	77.22	101.33
314	18/05/2024 22:00	159.32	32.74	87.11	5.68	12.31	322967.48	379994.83	77.15	101.33
315	18/05/2024 21:00	167.47	43.88	107.31	5.58	13.16	319252.24	381622.89	76.72	101.33
316	18/05/2024 20:00	158.41	27.08	73.43	5.35	16.05	279815.78	334918.71	59.23	101.33
317	18/05/2024 19:00	1.21	25.39	68.92	5.36	14.93	56473.33	54620.14	33.19	101.33
318	18/05/2024 18:00	1.2	25.46	69.29	5.4	14.96	1907.88	1738.33	32.47	101.33
319	18/05/2024 17:00	1.24	26.85	74.1	5.54	13.4	1894.75	1725.6	33.2	101.33
320	18/05/2024 16:00	1.24	21.95	61.8	5.52	12.35	2598.75	1731.57	34.24	101.33
321	18/05/2024 15:00	1.03	18.89	54.54	5.6	12.97	1866.52	1691.79	34.48	101.33
322	18/05/2024 14:00	1.08	30.94	78.09	5.6	15.57	1895.95	1725.6	34.97	101.33
323	18/05/2024 13:00	1.03	30.3	82.92	5.52	13.87	1874.87	1703.32	36.68	101.33
324	18/05/2024 12:00	1.13	33.93	85.66	5.34	13.4	1901.91	1729.97	36.32	101.33
325	18/05/2024 11:00	1.43	28.41	74.44	5.26	14.74	1912.65	1752.66	34.41	101.33
326	18/05/2024 10:00	1.3	28.16	73.85	5.33	14.06	1894.76	1734.35	33.68	101.33
327	18/05/2024 09:00	1.17	32.26	84.74	5.31	12.68	1869.3	1701.33	33.66	101.33
328	18/05/2024 08:00	1.29	26.9	71.79	5.2	9.1	1897.14	1720.83	34.6	101.33
329	18/05/2024 07:00	1.24	27.81	71.67	4.99	9.71	1860.15	16390.9	34.19	101.33
330	18/05/2024 06:00	1.07	27.65	72.33	5.01	11.93	1834.3	1687.8	33.65	101.33
331	18/05/2024 05:00	1.18	30.15	78.65	5.07	12.19	1820.38	1690.19	34.11	101.33
332	18/05/2024 04:00	1.28	28.99	74.4	5.07	12.44	1851.8	1702.52	34.18	101.33
333	18/05/2024 03:00	1.23	28.17	72.13	5.01	13.11	1876.06	1735.55	34.19	101.33

47
 IN
 OP
 ET
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 TP

334	18/05/2024 02:00	1.2	24.78	65.1	4.98	13.63	1860.55	5364.87	34.19	101.33
335	18/05/2024 01:00	1.2	19.02	52.56	4.9	14.95	1865.72	1720.82	34.19	101.33
336	18/05/2024 00:00	1.22	42.43	100.86	4.93	14.54	1845.04	1700.14	34.7	101.33
337	17/05/2024 23:00	1.17	26.86	69.15	5.08	14.86	1835.1	1698.54	34.8	101.33
338	17/05/2024 22:00	1.36	24.76	62.93	5.13	15.57	1879.25	1716.45	34.92	101.33
339	17/05/2024 21:00	1.32	33.1	79.72	5.15	15.77	1880.44	3556.57	35.45	101.33
340	17/05/2024 20:00	1.24	24.62	64.58	5.1	15.34	1872.48	1698.94	35.85	101.33
341	17/05/2024 19:00	1.12	35.57	86.36	5.1	14.11	1845.04	1706.1	36.69	101.33
342	17/05/2024 18:00	1.3	28.97	72.94	5.12	11.05	1909.47	1728.78	38.18	101.33
343	17/05/2024 17:00	1.19	29.13	73.94	5.17	5.55	1907.09	1714.86	40.83	101.33
344	17/05/2024 16:00	1.12	30.64	79.6	5.23	3.28	1901.12	1702.52	41.97	101.33
345	17/05/2024 15:00	1.26	26.6	68.77	5.46	1.18	1909.08	3549.81	42.02	101.33
346	17/05/2024 14:00	1.29	24.19	63.5	5.44	0	1933.34	9870.29	41.73	101.32
347	17/05/2024 13:00	1.23	34.7	82.95	5.44	0	1911.06	1722.02	42.36	101.32
348	17/05/2024 12:00	1.29	32.95	83.3	5.41	0	1914.65	1692.98	42.34	101.32
349	17/05/2024 11:00	1.28	23.17	60.65	5.41	0.42	1948.45	3568.91	42.78	101.33
350	17/05/2024 10:00	1.34	32.61	80.53	5.43	7.15	1944.87	14584.6	42.1	101.33
351	17/05/2024 09:00	1.21	28.78	71	5.2	10.7	1913.45	1720.83	41.65	101.33
352	17/05/2024 08:00	1.23	31.64	79.22	5.02	12.17	1891.57	1703.32	39.87	101.33
353	17/05/2024 07:00	1.25	31.09	78.4	5.06	11.93	1866.92	1719.24	38.1	101.33
354	17/05/2024 06:00	1.09	26.26	67.37	5.14	10.49	1871.69	1700.93	37.68	101.33
355	17/05/2024 05:00	1.16	25.84	61.04	5.17	13.28	1852.6	1711.28	37.69	101.33
356	17/05/2024 04:00	1.19	37.99	89.29	5.15	11.34	1843.05	1715.66	38.89	101.33
357	17/05/2024 03:00	1.17	30.92	75.07	5.24	12.25	1842.26	1677.46	39.5	101.33
358	17/05/2024 02:00	1.17	34.93	82.45	5.25	12.76	1870.5	1705.31	40.25	101.33
359	17/05/2024 01:00	1.22	30.87	74.42	5.3	13.66	1899.13	1714.06	40.93	101.33
360	17/05/2024 00:00	1.17	30.58	73.75	5.24	13.53	1872.48	1689.39	42.14	101.33
361	16/05/2024 23:00	1.02	32.47	79.06	5.19	10.94	1861.35	3514.4	41.02	101.33
362	16/05/2024 22:00	1.26	28.6	69.1	5.22	9.86	1905.49	1719.63	39.54	101.33
363	16/05/2024 21:00	1.09	26.92	66.53	5.33	11.59	1863.73	1685.42	40.4	101.33
364	16/05/2024 20:00	1.16	30.51	71.44	5.3	11.61	1866.52	1699.34	41.4	101.33
365	16/05/2024 19:00	2.1	35.68	82.48	5.32	12.3	1925.78	1716.45	43.36	101.33
366	16/05/2024 18:00	11.49	28.14	66.71	5.27	10.71	1934.93	1707.7	47.3	101.33
367	16/05/2024 17:00	9.15	28.63	67.23	5.25	5.11	94541.21	116975.11	61.9	101.33
368	16/05/2024 16:00	91.62	31.55	75.1	5.22	0.24	306002.15	359507.57	92.4	101.32
369	16/05/2024 15:00	137.84	34.21	79.23	5.2	0	313726.14	370876.95	97.37	101.32
370	16/05/2024 14:00	153.96	30.36	76.63	5.22	0	312707.94	370918.74	98.65	101.32
371	16/05/2024 13:00	154.86	40.37	93.61	5.24	0	306978.59	367943.53	104.2	101.32
372	16/05/2024 12:00	133.49	20.24	53.92	5.27	0	258668.69	354015.04	100.47	101.32
373	16/05/2024 11:00	159.78	47.04	110.06	5.02	0.2	274116.66	360433.4	98.06	101.32
374	16/05/2024 10:00	232.66	24.78	66.12	5.14	2.83	278906.17	361041.73	97.94	101.33
375	16/05/2024 09:00	169.66	38.4	91.78	5.16	6.19	281589.28	360258.75	93.77	101.33
376	16/05/2024 08:00	201.43	44.43	105.08	5.18	5.98	280909.94	362051.53	93.04	101.33
377	16/05/2024 07:00	189.16	32.37	81.56	5.15	9.37	276430.27	361922.6	92.92	101.33
378	16/05/2024 06:00	191.34	32.99	85.96	5.13	8.16	282547.02	361529.51	91.51	101.33
379	16/05/2024 05:00	235.99	27.43	70.49	5.15	8.14	280069.53	357466.52	89.9	101.33
380	16/05/2024 04:00	176.55	30.18	74.83	5.18	9.6	287226.35	362445	87.05	101.33
381	16/05/2024 03:00	163.29	27.42	73.88	5.3	7.5	277590.47	353796.22	87.26	101.33
382	16/05/2024 02:00	242.26	38.57	96.07	5.11	4.44	282945.55	357785.6	87.46	101.33

383	16/05/2024 01:00	157.32	25.96	72	4.63	5.64	287220.78	361391.06	87.18	101.33
384	16/05/2024 00:00	143.33	24.3	62.36	4.63	3.52	296012.29	358709.84	84.16	101.33
385	15/05/2024 23:00	167.59	40.4	100.72	4.72	2.06	284564.32	361072.78	92.32	101.33
386	15/05/2024 22:00	153.5	29.13	76.71	4.76	7.13	287894.55	361499.67	90.27	101.33
387	15/05/2024 21:00	147.93	34.3	91.54	4.88	12.61	291535.8	359746.7	82.85	101.33
388	15/05/2024 20:00	183.05	31.46	75.21	4.91	13.15	231282.76	321253.66	72.04	101.33
389	15/05/2024 19:00	4.71	26.44	66.24	4.9	13.01	49795.79	67543.2	45.44	101.33
390	15/05/2024 18:00	3.34	23.63	59.91	4.83	9.58	16740.95	23831.37	51.46	101.33
391	15/05/2024 17:00	120.79	30.61	78.22	4.81	6.85	232837.1	289401.8	85.69	101.33
392	15/05/2024 16:00	200.46	25.07	61.79	4.95	4.9	290808.34	363791.39	96.76	101.33
393	15/05/2024 15:00	184.25	36.48	91.43	4.99	6.39	287440.73	362990.08	99.37	101.33
394	15/05/2024 14:00	136.83	21.94	57.72	5.01	3.13	290228.44	363335.84	100.01	101.33
395	15/05/2024 13:00	199.91	40.46	98.05	5.02	0	247051.7	359956.75	101.29	101.32
396	15/05/2024 12:00	150.16	22.02	59.45	5.03	0	281559.44	367020.86	96.25	101.32
397	15/05/2024 11:00	128.5	33.47	79.91	5	0.07	241789.28	357862.4	101.66	101.32
398	15/05/2024 10:00	196.74	31.29	74.07	4.99	0.01	270874.73	367754.12	96.13	101.32
399	15/05/2024 09:00	218.97	33.08	79.72	4.74	4.51	275631.22	370216.5	96.15	101.33
400	15/05/2024 08:00	165.8	29.92	76.53	4.59	8.55	273966.72	369273.95	96.73	101.33
401	15/05/2024 07:00	116.41	38.78	90.05	4.67	5.23	268364.24	352355.55	88.36	101.33
402	15/05/2024 06:00	162.99	28.1	69.33	4.64	9.13	272583.79	350010.15	93.91	101.33
403	15/05/2024 05:00	177.45	40.59	94.63	4.7	7.85	279623.28	348141.78	90.95	101.33
404	15/05/2024 04:00	235.23	31.32	80.27	4.75	4.01	294672.33	352425.17	89.28	101.33
405	15/05/2024 03:00	187.13	30.2	78.43	4.85	2.94	293244.45	359602.26	91.25	101.33
406	15/05/2024 02:00	144.9	29.42	79.06	4.85	7.46	291938.3	359557.7	88.63	101.33
407	15/05/2024 01:00	150.88	26.65	71.85	4.91	12.21	301378.11	363068.05	81.83	101.33
408	15/05/2024 00:00	116.16	24.41	64.32	4.91	17.18	305172.88	361306.71	77.24	101.33
409	14/05/2024 23:00	95.58	47.21	110.09	4.92	16.07	305295.79	358981.2	79.94	101.33
410	14/05/2024 22:00	121.58	29.41	76.06	4.93	15.69	299996.38	362922.05	82.48	101.33
411	14/05/2024 21:00	163.2	29.9	75.57	4.93	14.83	304313.38	365684.02	80.08	101.33
412	14/05/2024 20:00	210.5	34.8	88.21	4.95	15.21	266830.97	331048.3	74.69	101.33
413	14/05/2024 19:00	5.53	26.37	65.75	4.92	13.05	41319.29	53663.68	44.53	101.33
414	14/05/2024 18:00	2.5	20.93	54.45	4.83	9.72	2000.95	1745.49	47.32	101.33
415	14/05/2024 17:00	2.28	13.75	36.39	4.96	3.08	140224.46	161237.19	64.83	101.33
416	14/05/2024 16:00	203.4	42.04	96.76	5.04	1.01	306732.79	368011.92	92.33	101.33
417	14/05/2024 15:00	163.66	37.81	89.3	5.02	0.2	316917.55	365740.13	85.2	101.33
418	14/05/2024 14:00	174.06	40.48	95.39	5.07	1.47	304398.89	366104.97	93.36	101.33
419	14/05/2024 13:00	208.11	41.84	98.77	5.06	3.68	301843.45	368749.57	94.54	101.33
420	14/05/2024 12:00	195.38	33.84	84.04	5.07	0.03	284859.45	365314.01	99.6	101.32
421	14/05/2024 11:00	209.81	33.4	82.75	5.11	0	296941.79	364558.87	97.41	101.32
422	14/05/2024 10:00	191.22	27.93	70.48	5.13	0	283457.83	362925.62	98.65	101.32
423	14/05/2024 09:00	207.09	38.5	91.19	5.13	0	284231.42	362364.25	96.29	101.32
424	14/05/2024 08:00	184.35	31	78.35	4.93	0	284681.65	368329.43	95.84	101.32
425	14/05/2024 07:00	179.71	28.32	72.37	4.7	0	286353.33	363886.06	92.99	101.32
426	14/05/2024 06:00	239.68	21.11	58.42	4.74	0.77	291321.82	361761.07	91.38	101.33
427	14/05/2024 05:00	208.8	36.35	86.61	4.81	0.28	285009.39	364753.43	92.67	101.32
428	14/05/2024 04:00	192.45	31.89	82.72	4.94	1.99	289327.58	362679.76	93.19	101.33
429	14/05/2024 03:00	305.33	32.7	90.43	5.11	8.35	274260.64	357955.9	92.59	101.33
430	14/05/2024 02:00	147.22	22.43	63.08	5.12	11.89	290138.56	365629.51	92.15	101.33
431	14/05/2024 01:00	161.09	41.22	99.91	4.99	5.73	295764.89	365943.44	88.55	101.33



432	14/05/2024 00:00	188.28	31.15	82.41	5.12	0	297585.72	363154.42	89.27	101.32
433	13/05/2024 23:00	197.43	27.79	73.58	5.09	0	289660.08	363332.64	92.92	101.32
434	13/05/2024 22:00	162.78	30.28	78.42	5.1	0.01	297803.67	364628.09	88.17	101.32
435	13/05/2024 21:00	165.17	25.9	73.9	5.17	6.57	302377.62	363565.8	85.65	101.33
436	13/05/2024 20:00	191.84	32.57	82.21	5.25	16.19	243115.33	332935.78	77.28	101.33
437	13/05/2024 19:00	1.6	18.71	53.01	5.34	13.68	46350.22	65335.44	36.35	101.33
438	13/05/2024 18:00	2.91	25.43	62.7	5.33	16.44	8528.95	14180.76	42.68	101.33
439	13/05/2024 17:00	120.31	41.1	102.02	5.33	6.41	241492.97	307694.82	89.55	101.33
440	13/05/2024 16:00	242.18	39.84	89.77	5.35	7.22	299437.17	361965.59	91.04	101.33
441	13/05/2024 15:00	55.37	25.59	67.37	5.38	5.63	204061.08	268088.17	69.61	101.33
442	13/05/2024 14:00	128.14	31.72	82.21	5.3	8.28	310224.5	371227.48	95.07	101.33
443	13/05/2024 13:00	110.09	31.25	84.27	5.27	10.39	316087.88	374521.81	87.87	101.33
444	13/05/2024 12:00	141.4	23.44	66.29	5.12	0.02	280131.19	367909.31	101.72	101.32
445	13/05/2024 11:00	179.94	28.4	77.04	4.98	0	298862.84	365492.26	93.99	101.32
446	13/05/2024 10:00	195.26	51.19	133.56	5.03	0.77	304476.05	366172.6	91.72	101.32
447	13/05/2024 09:00	175.28	26.52	75.03	5.02	7.97	308426.34	363941.37	87.24	101.33
448	13/05/2024 08:00	168.96	32.76	82.2	4.9	9.24	311385.48	366074.33	86.81	101.33
449	13/05/2024 07:00	222.02	41.29	102.61	4.69	8.34	297216.22	363344.58	88.59	101.33
450	13/05/2024 06:00	203.78	30.41	79.71	4.71	17.79	304491.17	364061.94	87.21	101.33
451	13/05/2024 05:00	116.46	26.2	68.78	4.87	20.04	312519.82	364825.44	79.24	101.33
452	13/05/2024 04:00	122.6	27.6	74.83	5.04	17.75	314927.3	365193.47	81.91	101.33
453	13/05/2024 03:00	207.78	21.38	60.21	5.1	8.18	291636.42	356306.36	90.22	101.33
454	13/05/2024 02:00	162.42	42.55	103.4	5.11	6.15	308981.17	365283.37	88.28	101.33
455	13/05/2024 01:00	117.36	41.95	107.8	5.06	4.37	318454.01	366634.53	84.01	101.33
456	13/05/2024 00:00	122.87	30.88	81.55	5.07	3.39	317349.5	376360.72	86.32	101.33
457	12/5/2024 23:00	126.55	32.97	86.81	5.09	1.23	319425.66	380108.22	87.77	101.33
458	12/5/2024 22:00	140.7	30.65	82.69	5.01	5.77	324276.81	384475.19	87.08	101.33
459	12/5/2024 21:00	136.56	31.37	84.32	4.99	10.18	321320.47	379489.93	81.56	101.33
460	12/5/2024 20:00	92.44	27.62	75.41	5	7.91	320750.91	384501.05	83.29	101.33
461	12/5/2024 19:00	160.59	28.72	71.7	5.02	3.77	282261.44	369772.9	81.05	101.33
462	12/5/2024 18:00	71.25	17.42	48.71	5.04	4.26	323101.9	390839.43	90.54	101.33
463	12/5/2024 17:00	196.89	53.35	128.4	5.08	3.2	309746.02	379160.11	92.57	101.33
464	12/5/2024 16:00	127.58	21.05	56.07	5.06	0	312610.49	380271.35	97.51	101.32
465	12/5/2024 15:00	144.14	40.88	98.29	5.06	0	313825.57	378291.96	97.67	101.32
466	12/5/2024 14:00	176.98	33.43	85.43	5.03	0	317267.96	382251.52	95.3	101.32
467	12/5/2024 13:00	188.68	32.47	83.53	5.05	0	317717.4	378786.1	98.33	101.32
468	12/5/2024 12:00	142.03	29.23	75.11	5.03	0	333052.02	380345.36	100.32	101.32
469	12/5/2024 11:00	153.21	32.07	83.41	4.74	0.05	340962.13	396607.28	95.39	101.32
470	12/5/2024 10:00	139.64	28.65	74.55	4.77	0	333229.79	383011.84	90.75	101.32
471	12/5/2024 9:00	161.59	28.7	76.17	4.76	0	336871.04	388403.7	93.45	101.32
472	12/5/2024 8:00	171.18	33.83	84.17	4.75	1.75	328644.32	379168.08	92.63	101.33
473	12/5/2024 7:00	123.94	29.75	76.13	4.75	2.37	325870.14	374061.87	91.22	101.33
474	12/5/2024 6:00	200.21	31.67	82.58	4.78	1.64	309137.1	361526.35	90.84	101.33
475	12/5/2024 5:00	141.46	27.93	72.28	4.8	0.23	314527.18	365746.87	85.83	101.32
476	12/5/2024 4:00	178.57	30.96	79.96	4.79	9.04	306724.84	360970.91	90.45	101.33
477	12/5/2024 3:00	190.55	31.52	84.12	4.88	10.3	280558.35	350802.28	91.74	101.33
478	12/5/2024 2:00	141.03	27.5	72.84	4.93	10.36	313907.11	367053.89	84.08	101.33
479	12/5/2024 1:00	120.91	26.65	72.81	4.92	10.71	320353.96	367719.91	77.91	101.33
480	12/5/2024 0:00	165.16	30.72	84.52	4.89	7.52	319704.07	367472.43	80.09	101.33

481	11/5/2024 23:00	116.74	34.41	87.81	4.84	3.12	324118.52	376695.74	76.14	101.33
482	11/5/2024 22:00	127.39	30.7	76.92	4.83	8.96	312741.75	366540.64	73	101.33
483	11/5/2024 21:00	67.58	31.98	79.17	4.95	11.75	281323.59	339054.94	58.74	101.33
484	11/5/2024 20:00	81.49	33.37	83.46	5.03	15.85	294923.3	332094.68	48.14	101.33
485	11/5/2024 19:00	1.16	27.26	72.21	4.66	14.62	60799.88	63981.9	34.41	101.33
486	11/5/2024 18:00	1.02	28.63	75.01	4.53	14.86	1890.78	1716.85	34.29	101.33
487	11/5/2024 17:00	1.26	33.1	80.38	4.44	12.58	1905.9	1736.34	35.09	101.33
488	11/5/2024 16:00	1.19	30.64	77.58	4.48	8.04	1895.95	1714.86	36.49	101.33
489	11/5/2024 15:00	1.22	29.28	74.63	4.53	4.21	1907.49	1717.64	37.48	101.33
490	11/5/2024 14:00	1.16	24.91	64.77	4.64	6.75	1882.03	1689.79	37.32	101.33
491	11/5/2024 13:00	1.19	26.33	67.74	4.78	3.54	1918.23	1730.77	37.96	101.33
492	11/5/2024 12:00	1.07	28.99	74.96	4.95	5.36	1876.86	1740.32	38.32	101.33
493	11/5/2024 11:00	0.97	29.66	78.78	5.04	8.76	1907.88	3556.57	38.41	101.33
494	11/5/2024 10:00	1	28.78	77.1	5.08	8.81	1879.64	1712.07	36.21	101.33
495	11/5/2024 9:00	1.04	25.78	69.49	5.1	9.4	1899.93	3574.48	34.4	101.33
496	11/5/2024 8:00	0.97	24.22	65.22	5.14	9.77	1866.12	1699.34	33.81	101.33
497	11/5/2024 7:00	0.96	29.86	80.76	5.15	13.81	1847.03	1690.59	33.84	101.33
498	11/5/2024 6:00	0.91	23.29	62.83	5.13	16.49	1807.66	1690.59	32.97	101.33
499	11/5/2024 5:00	0.96	27.06	70.23	5.14	15.9	1826.74	3540.66	33.54	101.33
500	11/5/2024 4:00	0.89	27.94	73.45	5.28	17.47	1837.88	3537.48	34.07	101.33
501	11/5/2024 3:00	0.88	29.13	75.68	5.3	15.41	1849.81	3542.25	34.18	101.33
502	11/5/2024 2:00	0.91	27.84	71.39	5.31	12.63	1811.63	3504.85	34.74	101.33
503	11/5/2024 1:00	0.89	28.53	75.26	4.97	14.87	1840.27	1677.85	35.16	101.33
504	11/5/2024 0:00	0.96	25.38	66.09	4.94	16.1	1857.77	1701.72	35.49	101.33
505	10/5/2024 23:00	0.94	28.86	76.52	5.13	15.8	1857.77	1690.99	36.05	101.33
506	10/5/2024 22:00	0.99	29.49	77.62	5.13	15.13	1855.38	1694.17	36.64	101.33
507	10/5/2024 21:00	1	26.61	68.45	5.11	13.5	1872.48	1700.53	37.59	101.33
508	10/5/2024 20:00	0.88	28.87	74.83	5.21	14.01	1875.27	1686.61	38.14	101.33
509	10/5/2024 19:00	1.04	26.03	67.26	5.27	13.74	1891.98	1712.07	39.27	101.33
510	10/5/2024 18:00	0.89	30.6	78.46	5.32	11.61	1874.87	1699.74	41.09	101.33
511	10/5/2024 17:00	0.85	30.06	77.26	5.3	7.85	1875.27	1695.36	43.17	101.33
512	10/5/2024 16:00	0.94	27.77	70.23	5.33	3.6	1924.19	1720.82	41.94	101.33
513	10/5/2024 15:00	0.93	28.13	70.6	5.25	0.12	1909.08	1704.11	41.78	101.33
514	10/5/2024 14:00	0.77	33.94	86.12	5.15	1.49	1889.98	1688.99	42.34	101.33
515	10/5/2024 13:00	1.08	28.62	71.2	4.63	0.05	1932.94	1718.84	42.94	101.32
516	10/5/2024 12:00	1.13	27.91	68.89	4.68	5.09	1939.7	1735.95	42.95	101.33
517	10/5/2024 11:00	0.99	36.32	88.22	4.78	5.24	1930.15	1716.45	44.14	101.33
518	10/5/2024 10:00	0.94	34.8	85.85	4.79	8.4	1936.12	1702.92	45.54	101.33
519	10/5/2024 9:00	1.14	32.92	78.85	4.78	11.11	1954.02	1733.16	45.35	101.33
520	10/5/2024 8:00	1.25	37.68	91.3	4.7	11.64	1918.22	1709.69	43.82	101.33
521	10/5/2024 7:00	1.71	20.44	49.45	4.64	10.47	50463.98	60905.6	49.23	101.33
522	10/5/2024 6:00	95.86	33.7	81.63	4.51	7.78	294578.85	348045.1	76.5	101.33
523	10/5/2024 5:00	167.14	32.38	78.8	4.57	7.34	317326.02	376034.48	83.19	101.33
524	10/5/2024 4:00	142.57	28.6	70.23	4.69	6.03	312112.94	376131.15	86.12	101.33
525	10/5/2024 3:00	192.57	37.31	92.03	4.75	4.88	296654.23	363084.77	86.62	101.33
526	10/5/2024 2:00	154.71	31.17	78.8	4.92	5.7	312268.84	361549.02	88.28	101.33
527	10/5/2024 1:00	151.18	32.39	84.34	4.93	6.29	316631.97	363369.25	83.47	101.33
528	10/5/2024 0:00	158.4	31.37	81.12	4.9	11.23	322849.35	371696.97	81.73	101.33
529	9/5/2024 23:00	135.65	31.07	80.77	4.89	9.34	313633.06	369531.79	90.18	101.33



530	9/5/2024 22:00	108.79	29.07	73.85	4.84	13.6	321415.12	373870.89	87.01	101.33
531	9/5/2024 21:00	160.75	41.84	104.3	4.8	16.18	327594.31	373058.05	82.34	101.33
532	9/5/2024 20:00	189.09	31.56	73.56	4.34	18.73	265812.38	328070.68	69.66	101.33
533	9/5/2024 19:00	3.6	29.11	69.65	4.48	18.23	259146.77	63001.96	50.79	101.33
534	9/5/2024 18:00	4.48	34.17	82.56	4.46	15.73	267447.46	1723.61	55.94	101.33
535	9/5/2024 17:00	13.47	30.15	71.68	4.41	9.57	196835.86	215401.7	72.76	101.33
536	9/5/2024 16:00	153.64	36.43	85.55	4.37	3.43	266290.85	359951.59	96.94	101.33
537	9/5/2024 15:00	178.05	35.78	86.21	4.4	8.85	264175.31	358485.85	96.6	101.33
538	9/5/2024 14:00	110.95	33.02	80.22	4.42	11.83	273739.61	357056.33	90.25	101.33
539	9/5/2024 13:00	163.45	34.07	84.58	4.41	7.97	271826.11	360059.82	96.79	101.33
540	9/5/2024 12:00	218.18	33.1	80.17	4.46	2.38	247037.78	354470.21	100.97	101.33
541	9/5/2024 11:00	198.02	32.52	75.6	4.58	4.28	266540.64	363156.39	94.92	101.33
542	9/5/2024 10:00	199.51	39.6	95.48	4.56	7.56	272264.88	357876.81	94.89	101.33
543	9/5/2024 9:00	141.9	31.08	74.38	4.59	4.2	271799.86	354998.97	93.25	101.33
544	9/5/2024 8:00	153.32	38.48	94.52	4.57	0.97	272623.17	355532.12	92.82	101.33
545	9/5/2024 7:00	128.2	33.05	80.62	4.52	0.71	294311.19	364768.54	90.39	101.33
546	9/5/2024 6:00	166.04	29.29	71.75	4.54	4.86	286502.88	364859.26	92.98	101.33
547	9/5/2024 5:00	143.62	28.25	70.55	4.55	5.84	272011.85	361408.58	95.11	101.33
548	9/5/2024 4:00	210.7	39.7	98.67	4.61	6.22	286237.59	368317.88	95.49	101.33
549	9/5/2024 3:00	181.16	29.65	76.61	4.48	11.7	259135.63	357112.42	98.53	101.33
550	9/5/2024 2:00	179.55	34.18	85.8	4.25	16.64	288056.02	363003.22	91.95	101.33
551	9/5/2024 1:00	201.52	37.09	91.51	4.37	13.69	291896.54	363027.88	91.63	101.33
552	9/5/2024 0:00	137.38	34.32	83.63	4.4	15.01	315785.2	370638.65	89.89	101.33
553	8/5/2024 23:00	125.55	29.7	74.92	4.38	12.69	317825.58	378178.18	92.86	101.33
554	8/5/2024 22:00	152.93	32.69	82	4.43	12.38	297833.11	360443.73	96.37	101.33
555	8/5/2024 21:00	149.48	32.23	78.72	4.44	13.32	294819.08	353653	91.7	101.33
556	8/5/2024 20:00	182.32	32.06	78.85	4.39	13.16	260833.56	334987.16	79.9	101.33
557	8/5/2024 19:00	5.56	32.31	78.05	4.48	10.5	78674.81	94975.98	48.08	101.33
558	8/5/2024 18:00	3.42	23.65	57.37	4.47	8.16	17298.97	24700.31	52.07	101.33
559	8/5/2024 17:00	95.4	28.84	68.72	4.4	6.49	246948.28	306837.41	89.48	101.33
560	8/5/2024 16:00	172.97	34.56	80.27	4.4	5.63	294270.21	369324.08	97.49	101.33
561	8/5/2024 15:00	141.05	34.34	80.79	4.39	0.04	295816.99	370779.09	95.4	101.32
562	8/5/2024 14:00	182.97	40.72	95.23	4.35	0.61	266512.39	362204.71	96.7	101.33
563	8/5/2024 13:00	172.55	34.68	80.34	4.37	2.14	265723.7	361795.67	98.02	101.33
564	8/5/2024 12:00	134.87	30.91	75.5	4.33	0	278597.92	365628.71	97.86	101.32
565	8/5/2024 11:00	187.28	43.25	100.34	4.37	1.13	284753.64	364261.65	91.26	101.33
566	8/5/2024 10:00	153.69	36.78	86.34	4.07	6.05	285765.08	363106.66	93.92	101.33
567	8/5/2024 9:00	135.63	29.67	70.64	4.07	4.85	268194.81	358897.25	93.04	101.33
568	8/5/2024 8:00	147.45	33.82	81.63	4.15	10.66	294008.91	366135.59	89.78	101.33
569	8/5/2024 7:00	146.24	35.11	83.03	4.13	13.75	312556.01	372212.57	83.21	101.33
570	8/5/2024 6:00	164.24	39.32	92.96	4.13	13.9	314249.56	377400.36	88.5	101.33
571	8/5/2024 5:00	206.02	39.38	91.72	4.2	10.49	319123.78	372705.95	85.73	101.33
572	8/5/2024 4:00	194.73	29.79	72.37	4.2	6.93	313576.2	373528.33	87.4	101.33
573	8/5/2024 3:00	167.4	34.75	84.56	4.2	14.81	319958.23	369421.57	87.68	101.33
574	8/5/2024 2:00	199.06	31.62	78.57	4.3	12.81	307303.15	351207.31	74.74	101.33
575	8/5/2024 1:00	20.79	45.04	103	4.43	10.7	307190.98	346647.78	52.23	101.33
576	8/5/2024 0:00	70.82	44.08	108.86	4.43	11.53	314514.45	371698.94	74.09	101.33
577	7/5/2024 23:00	172.02	31.04	81.62	4.49	6.35	288271.19	357377.81	87.54	101.33
578	7/5/2024 22:00	228.46	33.85	89.08	4.52	7	289783.38	356003.97	87.33	101.33

579	7/5/2024 21:00	156.78	34.22	87.06	4.42	5.76	293474.74	356955.29	83.45	101.33
580	7/5/2024 20:00	279.84	35.61	86.89	4.08	12	241949.17	329023.17	68.37	101.33
581	7/5/2024 19:00	5.75	31.36	77.7	3.9	15.57	43778.87	46107.82	42.65	101.33
582	7/5/2024 18:00	1.35	37.7	92.73	3.94	12.39	1958.79	1712.47	45.31	101.33
583	7/5/2024 17:00	18.37	32.18	77.95	3.99	1.71	212511.33	261780.84	72.36	101.33
584	7/5/2024 16:00	217.47	32.26	79.11	4.01	0	298996.09	369262.03	95.9	101.32
585	7/5/2024 15:00	178.11	31.05	79.88	4.07	0	299705.64	371124.03	96.25	101.32
586	7/5/2024 14:00	175.83	25.46	68.07	4.04	0	282785.26	357280.31	95.98	101.32
587	7/5/2024 13:00	155.06	13.29	39	4	0	305716.98	368772.26	93.9	101.32
588	7/5/2024 12:00	156.41	34.35	78.43	4.22	0	286814.3	359460.23	95.29	101.32
589	7/5/2024 11:00	145.58	55.64	128.23	4.23	0.54	307950.26	371118.88	92.58	101.32
590	7/5/2024 10:00	138.5	36.11	91.61	4.27	5.18	310670.76	372561.92	90.36	101.33
591	7/5/2024 9:00	137.86	36.84	92.96	4.31	7.33	315902.94	371005.47	91.13	101.33
592	7/5/2024 8:00	127.72	33.12	83.25	4.28	2.99	309079.02	373699.02	93.22	101.33
593	7/5/2024 7:00	188.11	35.57	89.47	4.17	5.52	304400.09	375479.46	91.51	101.33
594	7/5/2024 6:00	192.66	33.21	81.97	4.24	10.09	312904.03	382583.73	85.82	101.33
595	7/5/2024 5:00	225.21	35.35	87.12	4.51	16.59	307764.52	383217.13	87.84	101.33
596	7/5/2024 4:00	170.94	31.86	83.86	4.56	14.13	288417.96	379366.2	89.08	101.33
597	7/5/2024 3:00	130.22	29.62	79.08	4.72	13.66	314530.35	382652.96	81.73	101.33
598	7/5/2024 2:00	158.44	29.46	77.73	4.74	9.8	328258.52	379524.55	87.01	101.33
599	7/5/2024 1:00	196.38	33.93	90.97	4.78	10.97	329046.43	379767.63	85.32	101.33
600	7/5/2024 0:00	177.69	26.01	69.88	4.77	10.23	336249	381621.71	80.43	101.33
601	6/5/2024 23:00	136.52	20.91	59.84	4.7	5.44	314158.87	369469.7	78.04	101.33
602	6/5/2024 22:00	175.13	34.56	83.11	4.55	6.11	315272.93	371605.45	79.22	101.33
603	6/5/2024 21:00	159.48	43.53	106.53	4.34	11.27	323716.41	386767.3	75.48	101.33
604	6/5/2024 20:00	155.05	30.41	77.53	4.48	18.17	291606.19	342404.17	59.08	101.33
605	6/5/2024 19:00	1.06	29.72	81.75	4.52	13.74	63049.06	52458.94	33.46	101.33
606	6/5/2024 18:00	1.21	27.93	75.95	4.55	12.51	1905.89	1757.03	33.74	101.33
607	6/5/2024 17:00	1.08	31.45	84.8	4.53	7.93	1880.04	3569.71	35.24	101.33
608	6/5/2024 16:00	1.06	31.68	84.86	4.44	0.67	1855.38	1719.63	35.44	101.33
609	6/5/2024 15:00	1.22	27.95	74.93	4.48	3.36	1879.64	1745.49	34.77	101.33
610	6/5/2024 14:00	1.23	30.85	82.62	4.56	9.71	1838.68	1726.39	33.19	101.33
611	6/5/2024 13:00	1.57	27.57	73.98	4.27	24.79	1825.15	1731.57	30.59	101.33
612	6/5/2024 12:00	2.05	29.05	78.26	4.09	26.93	1781.8	1704.91	31.47	101.33
613	6/5/2024 11:00	77.32	26.87	73.42	4.17	25.09	252842.3	271972.12	54.94	101.33
614	6/5/2024 10:00	136.19	17.87	54.79	4.19	23.28	308044.92	347937.67	78.06	101.33
615	6/5/2024 9:00	126.93	20.68	53.95	4.26	15.25	312937.04	360079.72	81.89	101.33
616	6/5/2024 8:00	134.44	35.84	87.65	4.34	9.39	312933.86	359374.69	85.97	101.33
617	6/5/2024 7:00	136.57	25.93	68.64	4.36	18.27	310951.95	367184.37	83	101.33
618	6/5/2024 6:00	132.55	35.26	86.99	4.38	18.89	311365.59	367536.88	81.51	101.33
619	6/5/2024 5:00	150.46	28.52	79.69	4.4	12.07	309617.95	370410.26	88.42	101.33
620	6/5/2024 4:00	112.91	25.1	69.36	4.29	8.73	313923.02	368731.27	85.34	101.33
621	6/5/2024 3:00	108.01	26.17	69.46	4.37	9.73	308069.19	370001.65	90.29	101.33
622	6/5/2024 2:00	130.98	32.13	85.71	4.47	13.38	313251.65	371936.07	85.49	101.33
623	6/5/2024 1:00	77.1	27.34	74.2	4.39	8.53	314829.45	372684.44	85.61	101.33
624	6/5/2024 0:00	114.85	32.62	84.13	4.36	12.14	293201.09	364745.46	84.71	101.33
625	5/5/2024 23:00	121.04	33.64	88.35	4.38	15.14	305313.68	373292.4	90.55	101.33
626	5/5/2024 22:00	82.98	26.91	73.03	4.35	13.45	313776.26	377589.75	87.29	101.33
627	5/5/2024 21:00	110.15	27.22	75.25	4.04	14.11	312768.8	373757.09	90.82	101.33

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628	5/5/2024 20:00	110.32	22.94	63.27	3.96	12.17	311173.88	377264.29	91.09	101.33
629	5/5/2024 19:00	169.25	26.32	69.31	4	11.43	305549.14	371633.69	87.9	101.33
630	5/5/2024 18:00	71.92	30.21	80.35	4.02	12.77	310632.97	383468.18	79.5	101.33
631	5/5/2024 17:00	139.6	29.26	76.26	4.02	12.41	312396.52	377403.53	89.68	101.33
632	5/5/2024 16:00	112.74	23.91	66.67	4.02	7.8	310522.79	375558.25	90.09	101.33
633	5/5/2024 15:00	148.64	33.7	87.99	4.1	6.47	313018.17	374956.66	89.87	101.33
634	5/5/2024 14:00	82.4	25.28	70.23	4.12	2.69	318590.82	384077.32	88.28	101.33
635	5/5/2024 13:00	115.74	24.91	69.02	4.07	0	313945.69	376893.47	95.74	101.32
636	5/5/2024 12:00	127.8	29.27	81.68	4.14	6.85	317721.77	382259.47	89.72	101.33
637	5/5/2024 11:00	119.29	30.51	84.16	4.15	10.43	319327.42	382156.84	86.52	101.33
638	5/5/2024 10:00	90.46	24.96	72.27	4.15	6.98	312755.27	382039.05	84.76	101.33
639	5/5/2024 9:00	109.43	25.93	77.15	4.15	7.15	319517.93	386559.61	86.74	101.33
640	5/5/2024 8:00	89.39	25.66	72.8	4.16	3.13	317483.13	386946.34	85.2	101.33
641	5/5/2024 7:00	111.14	23.92	72.37	4.18	15.19	323473.78	391790.33	79.85	101.33
642	5/5/2024 6:00	100.34	28.08	77	4.24	18.32	328171.82	408978.08	69.61	101.33
643	5/5/2024 5:00	66.42	26.45	77.45	4.24	13.97	320858.29	406690.77	72.6	101.33
644	5/5/2024 4:00	111.31	25.61	75.26	4.18	19.7	294655.22	366496.06	73.63	101.33
645	5/5/2024 3:00	101.88	22.45	67.85	4.21	14.27	294161.64	369890.26	73.77	101.33
646	5/5/2024 2:00	115.14	20.86	64.77	4.27	18.7	293764.69	373005.53	71.85	101.33
647	5/5/2024 1:00	95.75	21.68	65.3	4.29	19.99	292837.98	368585.66	72.58	101.33
648	5/5/2024 0:00	107.77	25.14	74.1	4.39	15.36	291577.96	378128.05	70.06	101.33
649	4/5/2024 23:00	84.24	17.8	55.19	4.4	16.6	292986.72	382827.23	66.3	101.33
650	4/5/2024 22:00	134.9	29.35	80.62	4.06	19.55	294729.59	381736.68	65.26	101.33
651	4/5/2024 21:00	143.46	33.17	90.28	4.05	21.95	300974.41	362967	64.37	101.33
652	4/5/2024 20:00	42.48	22.5	62.91	4.06	22.03	307749	367819.37	42.1	101.33
653	4/5/2024 19:00	1.42	18.27	60	4.13	20.35	94104.89	91853.93	30.47	101.33
654	4/5/2024 18:00	1.28	23.42	68.64	4.14	18.09	1926.97	1768.57	30.09	101.33
655	4/5/2024 17:00	1.46	23.34	70.79	4.19	12.39	1996.18	1821.89	32.2	101.33
656	4/5/2024 16:00	1.38	17.36	58.42	4.22	10.07	1981.06	7305.26	33.28	101.33
657	4/5/2024 15:00	1.4	24.46	68.57	4.19	10.56	1988.22	1807.96	34.13	101.33
658	4/5/2024 14:00	1.43	17.29	59.58	4.21	12.1	1998.96	1823.47	34.24	101.33
659	4/5/2024 13:00	1.42	22.86	65.73	4.21	13.33	1998.96	1820.29	33.56	101.33
660	4/5/2024 12:00	1.46	27.97	81.27	4.24	12.16	2204.19	1826.66	34.23	101.33
661	4/5/2024 11:00	1.41	21.22	67.21	4.28	15.11	1990.61	3650.47	34.8	101.33
662	4/5/2024 10:00	1.33	16.89	54.64	4.31	15.78	134983.92	131331.67	33.85	101.33
663	4/5/2024 9:00	1.29	21.43	63.62	4.45	19.78	1952.82	1794.83	31.07	101.33
664	4/5/2024 8:00	1.35	30.69	87.97	4.47	20.18	1944.87	1803.58	29.82	101.33
665	4/5/2024 7:00	1.35	21.75	65.66	4.45	17.63	1915.04	1798.41	27.63	101.33
666	4/5/2024 6:00	1.28	21.55	65.47	4.27	20.78	2656.02	7206.99	26.46	101.33
667	4/5/2024 5:00	1.28	25.55	78.1	4.34	21.58	1900.32	1796.82	26.05	101.33
668	4/5/2024 4:00	1.28	21.22	64.79	4.38	21.44	1908.68	1794.83	26.37	101.33
669	4/5/2024 3:00	1.42	21.99	65.64	4.37	21.74	1924.59	1805.97	26.69	101.33
670	4/5/2024 2:00	1.36	23.76	71.36	4.46	22.43	1903.11	1789.26	26.68	101.33
671	4/5/2024 1:00	1.36	23.88	71.19	4.52	23.01	1881.77	1774.61	26.67	101.33
672	4/5/2024 0:00	1.47	21.35	64.09	4.48	22.85	1922.6	1809.95	26.69	101.33
673	3/5/2024 23:00	1.41	22.65	69	4.46	21.56	2538.69	1799.61	26.69	101.33
674	3/5/2024 22:00	1.47	17.46	55.72	4.42	20.6	1928.17	1812.73	26.69	101.33
675	3/5/2024 21:00	1.5	23.59	66.72	4.44	19.18	1936.92	1818.3	26.7	101.33
676	3/5/2024 20:00	1.45	27.62	80.56	4.39	17.49	1914.25	1809.55	26.74	101.33

677	3/5/2024 19:00	1.5	20.98	62.77	4.34	17.97	1940.89	1822.28	27.32	101.33
678	3/5/2024 18:00	1.38	20.24	60.28	4.03	20.66	1899.53	1775.73	27.3	101.33
679	3/5/2024 17:00	1.47	29.19	79.39	4.02	20.86	5520.89	9706.37	27.58	101.33
680	3/5/2024 16:00	1.36	26.9	75.68	3.95	19.43	1918.22	5459.56	28.61	101.33
681	3/5/2024 15:00	1.39	24.25	71.37	3.97	18.95	1922.2	8055.23	29.18	101.33
682	3/5/2024 14:00	1.09	20.12	58.24	3.92	20.39	2355.73	1777.33	28.7	101.33
683	3/5/2024 13:00	1.34	33.01	85.87	3.91	22.23	1897.54	1786.08	27.51	101.33
684	3/5/2024 12:00	1.54	30.1	85.28	3.9	23.37	4585.03	1783.69	26.4	101.33
685	3/5/2024 11:00	1.6	23.8	66.91	3.95	23.44	5261.97	1764.19	25.62	101.33
686	3/5/2024 10:00	1.58	26.2	69.77	3.83	24.13	2728.8	1783.29	25.42	101.33
687	3/5/2024 9:00	1.49	29.37	81.46	3.89	24.79	1993.79	1786.48	24.8	101.33
688	3/5/2024 8:00	1.37	26.84	74.74	3.9	24.68	1873.68	1781.3	25.31	101.33
689	3/5/2024 7:00	1.68	24.35	66.97	4.06	22.79	1920.61	1816.31	25.44	101.33
690	3/5/2024 6:00	1.68	23.82	69.31	4.11	18.13	1907.49	1815.92	25.44	101.33
691	3/5/2024 5:00	1.63	15.22	45.52	3.87	21.64	1906.69	5483.04	25.44	101.33
692	3/5/2024 4:00	1.68	41.47	102.23	3.86	24.27	1912.26	10992.27	25.43	101.33
693	3/5/2024 3:00	1.68	25.89	72.55	3.82	24.99	1908.68	1810.75	25.43	101.33
694	3/5/2024 2:00	1.73	25.73	69.02	3.66	24.75	3416.88	1828.65	25.45	101.33
695	3/5/2024 1:00	1.77	28.1	77.79	3.77	24.28	1926.97	3663.2	25.45	101.33
696	3/5/2024 0:00	1.68	24.51	67.98	3.77	22.53	1904.3	1808.76	25.48	101.33
697	2/5/2024 23:00	1.6	26.39	74.33	3.85	21.46	1876.86	1792.44	26.05	101.33
698	2/5/2024 22:00	1.61	26.26	74.09	3.88	21.46	1905.1	9157.72	26.06	101.33
699	2/5/2024 21:00	1.59	20.55	59.48	3.92	20.88	1898.34	1803.19	26.05	101.33
700	2/5/2024 20:00	1.64	29.55	76.7	3.95	22.64	1905.49	1817.91	26.06	101.33
701	2/5/2024 19:00	1.53	28.98	81.85	4.03	23.89	1899.93	1800.4	26.06	101.33
702	2/5/2024 18:00	1.62	23.09	65.4	4.07	24.07	3878.65	5481.05	26.05	101.33
703	2/5/2024 17:00	1.59	21.87	62.81	4.12	24.36	1908.28	5479.06	26.06	101.33
704	2/5/2024 16:00	1.55	21.19	62.96	4.19	24.47	2499.71	3637.74	26.01	101.33
705	2/5/2024 15:00	1.47	17.32	54.99	4.3	24.55	1887.59	1795.63	25.43	101.33
706	2/5/2024 14:00	1.46	10.93	39.22	4.34	24.86	4054.05	1789.66	25.42	101.33
707	2/5/2024 13:00	1.36	4.56	20.19	4.4	24.87	3756.54	1805.97	25.59	101.33
708	2/5/2024 12:00	0.97	13.8	43.73	4.58	23.96	2558.18	1760.62	26.63	101.33
709	2/5/2024 11:00	1.13	21.29	68.1	4.61	20.77	1919.02	1804.38	27.84	101.33
710	2/5/2024 10:00	1.15	21.31	67.92	4.57	16.71	2796.81	1803.98	27.32	101.33
711	2/5/2024 9:00	1.15	19.42	61.56	4.44	20.73	1910.27	3640.13	26.53	101.33
712	2/5/2024 8:00	1.1	20.44	66.08	4.44	22.05	1912.26	1799.21	26.06	101.33
713	2/5/2024 7:00	1.14	18.1	58.46	4.43	22.3	1907.88	1800	26.06	101.33
714	2/5/2024 6:00	1.17	20.5	65.07	4.36	23.58	1901.92	1802.79	25.6	101.33
715	2/5/2024 5:00	1.16	25.71	78.53	4.39	24.74	1894.36	3630.98	25.44	101.33
716	2/5/2024 4:00	1.15	19.72	61.7	4.47	25.29	4579.06	3611.08	25.75	101.33
717	2/5/2024 3:00	1.08	19.76	62.08	4.48	23.29	1889.59	3634.16	27.64	101.33
718	2/5/2024 2:00	1.16	23.68	74.1	4.56	23.48	1908.68	1795.23	27.95	101.33
719	2/5/2024 1:00	1.21	20.46	62.92	4.56	22.11	2188.29	1807.96	28.47	101.33
720	2/5/2024 0:00	1.12	20.29	62.79	4.52	22.86	1930.55	1812.73	28.58	101.33
721	1/5/2024 23:00	1.2	22.29	68.69	4.57	23.51	6937.62	1804.38	28.58	101.33
722	1/5/2024 22:00	1.21	22.38	69.09	4.66	22.87	4493.95	1810.35	29.06	101.33
723	1/5/2024 21:00	1.22	20.18	62.11	4.7	22.36	1939.7	1812.74	29.22	101.33
724	1/5/2024 20:00	1.21	22.09	68.67	4.71	21.68	1935.33	1805.98	29.52	101.33
725	1/5/2024 19:00	1.21	20.05	61.43	4.72	20.75	1940.89	1809.15	29.84	101.33



726	1/5/2024 18:00	1.18	21.79	67.53	4.7	19.86	3231.54	1805.18	30.41	101.33
727	1/5/2024 17:00	1.21	21.56	66.94	4.73	19.42	3625.69	1806.37	30.68	101.33
728	1/5/2024 16:00	1.2	19.07	58.82	4.43	17.31	3014.77	1819.1	31.41	101.33
729	1/5/2024 15:00	1.2	19.83	62.09	4.4	14.85	1965.55	1807.17	32.25	101.33
730	1/5/2024 14:00	1.18	15.88	51.71	4.47	10.62	3834.5	1811.94	33.82	101.33
731	1/5/2024 13:00	1.12	10.9	41.01	4.52	7.46	1965.55	1791.25	34.6	101.33
732	1/5/2024 12:00	1.28	6.79	21.17	4.52	7.38	2019.25	3650.47	34.82	101.33
733	1/5/2024 11:00	1.21	6.71	26.84	4.55	4.08	2006.92	1829.05	35.29	101.33
734	1/5/2024 10:00	1.25	9.7	29.16	4.53	2.5	2004.53	1819.5	33.55	101.33
735	1/5/2024 9:00	1.27	7.42	24.58	4.42	8.46	1976.69	1833.02	31.58	101.33
736	1/5/2024 8:00	1.22	17.34	52.67	4.51	13.95	1946.46	1815.12	29.68	101.33
737	1/5/2024 7:00	1.21	9.59	31.24	4.51	17.68	1932.94	1817.11	28.79	101.33
738	1/5/2024 6:00	1.29	15.37	44.77	4.54	20.09	1937.31	1817.91	28.12	101.33
739	1/5/2024 5:00	1.23	22.83	68.28	4.55	21.77	1917.83	1805.58	27.95	101.33
740	1/5/2024 4:00	1.25	21.11	62.88	4.55	22.53	1926.98	1809.56	28.48	101.33
741	1/5/2024 3:00	1.21	22.66	68.53	4.62	22.61	1919.81	10978.35	28.58	101.33
742	1/5/2024 2:00	1.23	21.16	63.13	4.71	23.36	1918.62	7301.28	28.95	101.33
743	1/5/2024 1:00	1.18	23.13	69.1	4.65	23.36	1931.35	1786.08	30.14	101.33
744	1/5/2024 0:00	1.23	22.97	68.1	4.53	19.84	3370.35	3636.15	31.36	101.33