

Instance	Mathematical model with IS					Mathematical model with IS and VIs					Matheuristic			
	IS	Best	Bound	Gap	Time (s)	IS	Best	Bound	Gap	Time (s)	Phase 1	Phase 2	Phase 3	Time(s)
L_10_3_01	287.60	197.84	197.84	0.00	9871.9	287.60	197.84	197.84	0.00	5588.8	202.49	199.70	197.84	3.9
L_10_3_02	325.30	251.50	251.50	0.00	645.4	325.30	251.50	251.49	0.00	410.5	281.61	255.58	251.50	2.8
L_10_3_03	314.08	204.66	204.66	0.00	93.4	314.08	204.66	204.66	0.00	27.9	289.82	204.66	204.66	1.9
L_10_3_04	293.38	199.03	199.03	0.00	527.5	293.38	199.03	199.03	0.00	168.2	203.14	203.14	200.71	1.5
L_10_3_05	334.56	234.51	234.51	0.00	4822.6	334.56	234.51	234.51	0.00	921.2	245.05	235.77	234.51	3.9
L_10_5_01	273.31	179.14	179.14	0.00	2126.0	273.31	179.14	179.14	0.00	116.7	211.40	180.58	179.35	3.7
L_10_5_02	216.82	143.52	143.52	0.00	46.3	216.82	143.52	143.52	0.00	26.6	143.64	143.64	143.52	1.9
L_10_5_03	317.02	191.50	191.50	0.00	15.1	317.02	191.50	191.50	0.00	8.6	197.23	197.23	191.50	1.7
L_10_5_04	356.32	229.03	229.03	0.00	2648.7	356.32	229.03	229.03	0.00	553.9	231.79	231.79	229.03	2.2
L_10_5_05	370.75	246.85	246.85	0.00	8595.9	370.75	246.85	246.85	0.00	685.1	264.54	249.07	246.85	5.1
M_10_3_01	283.45	196.10	196.10	0.00	503.1	283.45	196.10	196.10	0.00	181.3	222.50	196.79	196.79	2.0
M_10_3_02	329.00	258.16	258.16	0.00	1082.0	329.00	258.16	258.16	0.00	861.5	258.49	258.49	258.16	2.7
M_10_3_03	290.44	204.73	204.73	0.00	315.6	290.44	204.73	204.73	0.00	19.0	289.10	207.82	204.73	1.4
M_10_3_04	274.03	195.88	195.88	0.00	128.1	274.03	195.88	195.88	0.00	13.0	203.20	202.22	200.05	2.1
M_10_3_05	297.80	234.64	234.64	0.00	552.9	297.80	234.64	234.64	0.00	388.2	248.50	234.64	234.64	2.2
M_10_5_01	259.99	189.90	189.90	0.00	1450.9	259.99	189.90	189.90	0.00	195.0	200.47	191.01	189.90	2.1
M_10_5_02	246.01	142.74	142.74	0.00	26.9	246.01	142.74	142.74	0.00	12.7	142.80	142.80	142.80	1.8
M_10_5_03	315.64	223.97	223.97	0.00	5947.6	315.64	223.97	223.97	0.00	4246.2	230.27	226.31	226.25	3.1
M_10_5_04	355.04	262.04	252.55	3.62	10800.0	355.04	262.04	252.02	3.82	10800.0	263.57	263.57	263.27	2.8
M_10_5_05	352.72	238.91	238.91	0.00	1180.6	352.72	238.91	238.91	0.00	46.8	243.05	240.71	238.91	3.5
S_10_3_01	266.99	201.23	201.23	0.00	955.4	266.99	201.23	201.23	0.00	989.0	217.92	202.70	201.23	3.9
S_10_3_02	332.44	250.39	250.39	0.00	110.5	332.44	250.39	250.38	0.00	35.0	268.95	250.75	250.39	2.2
S_10_3_03	276.72	205.72	205.72	0.00	18.1	276.72	205.72	205.72	0.00	5.3	276.72	207.97	205.72	1.6
S_10_3_04	296.27	196.73	196.73	0.00	8.4	296.27	196.73	196.73	0.00	5.3	201.17	201.17	201.17	1.9
S_10_3_05	287.17	225.89	225.89	0.00	175.5	287.17	225.89	225.89	0.00	258.5	233.16	226.13	225.89	2.1
S_10_5_01	298.96	188.76	188.76	0.00	38.9	298.96	188.76	188.76	0.00	20.8	214.97	191.85	191.34	1.7
S_10_5_02	211.06	140.88	140.88	0.00	7.0	211.06	140.88	140.88	0.00	6.2	142.68	141.57	140.88	2.8
S_10_5_03	287.68	221.52	208.15	6.04	10800.0	287.68	221.52	213.99	3.40	10800.0	227.94	221.55	221.52	2.5
S_10_5_04	423.68	234.76	234.76	0.00	121.4	423.68	234.76	234.76	0.00	13.1	235.51	235.51	235.51	1.2
S_10_5_05	333.91	238.58	238.58	0.00	20.0	333.91	238.58	238.58	0.00	21.2	241.10	238.58	238.58	1.3

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	IS	Best	Bound	Gap	Time (s)	IS	Best	Bound	Gap	Time (s)	Phase 1	Phase 2	Phase 3	Time(s)
L_20_3_01	530.59	463.24	285.19	38.44	10800.0	530.59	356.81	292.22	18.10	10800.0	392.36	353.96	350.65	182.4
L_20_3_02	480.96	379.01	326.07	13.97	10800.0	480.96	368.07	335.83	8.76	10800.0	394.42	370.99	366.54	392.7
L_20_3_03	575.61	527.01	324.89	38.35	10800.0	575.61	431.83	340.30	21.20	10800.0	434.44	431.42	430.34	323.6
L_20_3_04	466.56	355.08	309.61	12.81	10800.0	466.56	352.80	325.60	7.71	10800.0	366.34	349.58	349.06	174.6
L_20_3_05	477.76	461.67	348.57	24.50	10800.0	477.76	441.70	354.59	19.72	10800.0	406.93	395.86	392.32	862.1
L_20_5_01	526.27	407.83	331.00	18.84	10800.0	526.27	384.04	346.18	9.86	10800.0	397.57	386.47	382.36	265.4
L_20_5_02	568.40	362.89	309.92	14.60	10800.0	568.40	333.21	315.15	5.42	10800.0	360.21	336.96	336.03	41.2
L_20_5_03	408.88	327.10	285.05	12.86	10800.0	408.88	359.18	286.52	20.23	10800.0	328.41	310.55	310.52	77.7
L_20_5_04	481.20	350.67	300.39	14.34	10800.0	481.20	343.24	313.49	8.67	10800.0	367.36	338.81	336.24	62.7
L_20_5_05	454.44	325.56	198.95	38.89	10800.0	454.44	264.06	233.91	11.42	10800.0	277.63	256.13	252.65	161.8
M_20_3_01	503.44	327.71	287.23	12.35	10800.0	503.44	326.87	298.66	8.63	10800.0	375.11	328.07	326.87	115.6
M_20_3_02	497.03	376.67	323.78	14.04	10800.0	497.03	353.65	331.34	6.31	10800.0	393.02	358.67	353.65	127.8
M_20_3_03	584.63	515.74	346.41	32.83	10800.0	584.63	450.26	360.19	20.00	10800.0	467.00	433.32	431.43	801.6
M_20_3_04	451.03	350.56	296.15	15.52	10800.0	451.03	348.70	317.97	8.81	10800.0	348.46	344.23	340.21	86.0
M_20_3_05	453.43	407.44	365.37	10.33	10800.0	453.43	420.52	367.87	12.52	10800.0	411.16	404.5	402.04	177.9
M_20_5_01	494.28	391.29	341.50	12.72	10800.0	494.28	393.99	355.35	9.81	10800.0	431.87	388.68	385.98	81.0
M_20_5_02	464.68	333.50	317.46	4.81	10800.0	464.68	341.98	313.83	8.23	10800.0	368.71	334.55	333.50	45.8
M_20_5_03	498.89	316.79	301.07	4.96	10800.0	498.89	314.72	298.48	5.16	10800.0	332.48	314.43	314.43	67.6
M_20_5_04	453.64	332.91	307.99	7.49	10800.0	453.64	328.11	328.08	0.01	5658.2	369.27	333.95	333.95	58.1
M_20_5_05	415.41	264.41	253.82	4.01	10800.0	415.41	264.41	259.87	1.72	10800.0	283.20	266.21	264.41	37.5
S_20_3_01	512.85	323.58	296.78	8.28	10800.0	512.85	323.58	311.15	3.84	10800.0	333.42	326.49	323.58	38.3
S_20_3_02	483.68	348.25	328.14	5.77	10800.0	483.68	348.25	334.88	3.84	10800.0	384.32	354.46	349.72	104.2
S_20_3_03	519.49	432.83	347.94	19.61	10800.0	519.49	436.09	363.49	16.65	10800.0	463.97	432.32	431.30	105.4
S_20_3_04	419.01	348.75	308.88	11.43	10800.0	419.01	343.50	324.23	5.61	10800.0	374.52	349.77	343.50	127.1
S_20_3_05	495.03	372.21	353.00	5.16	10800.0	495.03	372.21	360.54	3.14	10800.0	412.29	375.51	372.21	167.1
S_20_5_01	496.24	366.72	339.63	7.39	10800.0	496.24	366.72	349.93	4.58	10800.0	406.80	375.18	366.72	27.9
S_20_5_02	542.09	328.81	308.45	6.19	10800.0	542.09	328.81	303.95	7.56	10800.0	347.29	331.04	328.81	62.6
S_20_5_03	434.31	317.04	299.66	5.48	10800.0	434.31	315.38	305.37	3.17	10800.0	334.18	316.85	315.38	53.6
S_20_5_04	474.25	341.86	292.12	14.55	10800.0	474.25	337.65	317.10	6.09	10800.0	365.80	339.47	339.10	125.4
S_20_5_05	422.81	267.75	253.48	5.33	10800.0	422.81	267.75	256.26	4.29	10800.0	292.91	271.14	270.27	61.4

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L_50_3_01	1028.88	691.67	500.53	27.63	10800.2	1028.88	737.82	517.31	29.89	10800.1	655.32	623.09	619.65	700.9
L_50_3_02	941.21	852.64	554.51	34.97	10800.0	941.21	865.54	577.25	33.31	10800.0	711.01	699.55	694.35	578.2
L_50_3_03	971.24	779.00	511.95	34.28	10800.0	971.24	792.14	513.89	35.13	10800.0	653.71	640.29	634.73	1244.1
L_50_3_04	865.22	769.72	494.83	35.71	10800.0	865.22	821.20	500.26	39.08	10800.0	725.57	662.48	657.46	1421.2
L_50_3_05	990.98	804.11	488.34	39.27	10800.1	990.98	805.77	496.32	38.40	10800.1	639.03	601.92	601.08	1304.2
L_50_5_01	1059.52	836.11	454.12	45.69	10800.0	1059.52	930.39	498.76	46.39	10800.0	660.77	602.18	593.52	1684.0
L_50_5_02	1020.60	665.28	478.64	28.05	10800.0	1020.60	751.09	497.29	33.79	10800.0	612.58	596.95	589.77	546.2
L_50_5_03	1033.61	617.74	503.66	18.47	10800.1	1033.61	600.66	499.02	16.92	10800.0	600.69	577.52	572.36	670.9
L_50_5_04	991.27	808.48	448.12	44.57	10812.5	991.27	771.57	470.67	39.00	10800.1	611.15	546.6	541.25	412.6
L_50_5_05	903.08	688.90	494.36	28.24	10800.0	903.08	748.01	535.83	28.37	10800.5	674.72	636.71	630.75	499.5
M_50_3_01	989.38	662.30	513.88	22.41	10800.0	989.38	732.77	529.58	27.73	10800.0	665.9	616.3	613.5	557.5
M_50_3_02	949.92	830.28	553.13	33.38	10800.1	949.92	685.92	574.40	16.26	10800.0	702.61	673.27	668.49	503.1
M_50_3_03	845.07	799.49	527.30	34.05	10800.0	845.07	712.46	525.76	26.21	10800.0	642.39	631.78	626.69	1075.0
M_50_3_04	939.06	901.67	495.85	45.01	10800.0	939.06	740.08	511.17	30.93	10800.0	713.4	642.18	639.16	1127.2
M_50_3_05	1109.55	675.15	501.91	25.66	10800.0	1109.55	693.94	506.51	27.01	10800.0	660.68	636.1	630.99	1230.6
M_50_5_01	935.98	680.52	490.37	27.94	10800.0	935.98	727.74	516.00	29.10	10800.0	659.61	605.9	599.68	1046.7
M_50_5_02	980.03	647.53	497.55	23.16	10800.0	980.03	627.21	521.93	16.79	10800.1	609.69	603.74	590.14	296.0
M_50_5_03	902.11	736.92	514.52	30.18	10800.0	902.11	634.69	518.60	18.29	10800.0	601.39	572.85	564.98	553.1
M_50_5_04	954.90	618.17	453.44	26.65	10800.0	954.90	521.56	474.12	9.10	10800.0	590.57	526.98	521.86	268.9
M_50_5_05	947.12	824.52	516.18	37.40	10800.0	947.12	754.17	532.17	29.44	10800.0	678.5	625.24	621.35	477.2
S_50_3_01	951.29	601.70	494.42	17.83	10800.0	951.29	677.39	515.40	23.91	10800.1	646.35	603.29	595.99	470.6
S_50_3_02	971.19	774.20	571.05	26.24	10800.0	971.19	759.14	578.78	23.76	10800.0	754.87	736.83	732.57	1344.2
S_50_3_03	917.67	631.06	520.79	17.47	10800.0	917.67	676.41	531.27	21.46	10800.0	646.62	627.28	621.29	522.0
S_50_3_04	981.47	739.08	506.88	31.42	10800.0	981.47	682.29	526.37	22.85	10800.0	737.72	641.26	636.48	760.3
S_50_3_05	1057.41	654.99	480.17	26.69	10800.0	1057.41	667.14	498.96	25.21	10800.0	661	618.39	611.85	762.9
S_50_5_01	1027.81	803.23	480.84	40.14	10800.0	1027.81	673.35	524.20	22.15	10800.0	702.27	629.49	625.01	823.1
S_50_5_02	983.54	613.38	499.72	18.53	10800.0	983.54	612.25	511.98	16.38	10800.0	608.75	597.6	594.46	348.6
S_50_5_03	907.54	584.77	511.57	12.52	10800.0	907.54	588.80	516.82	12.22	10800.0	611.82	580.69	575.36	573.5
S_50_5_04	888.75	574.32	433.98	24.44	10800.0	888.75	555.65	473.56	14.77	10800.0	610.25	554.1	551.17	661.8
S_50_5_05	991.72	735.34	483.68	34.22	10800.0	991.72	629.38	537.27	14.64	10800.0	676.8	635.23	628.24	763.4

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L_80_3_01	1466.54	1360.86	548.15	59.72	10800.1	1466.54	1281.17	605.31	52.75	10803.1	807.13	802.69	796.93	1371.6
L_80_3_02	1182.06	1142.90	577.73	49.45	10800.9	1182.06	1140.82	623.17	45.38	10800.1	839.43	818.04	809.27	1016.8
L_80_3_03	1201.49	1006.39	585.97	41.78	10804.5	1201.49	1059.39	630.00	40.53	10800.1	864.72	832.91	826.58	1561.1
L_80_3_04	1551.94	1499.37	575.94	61.59	10811.0	1551.94	1489.55	648.27	56.48	10800.3	1010.94	988	966.27	1677.7
L_80_3_05	1409.32	1333.16	637.88	52.15	10800.2	1409.32	1396.37	701.58	49.76	10800.2	1082.12	1022.69	1017.25	2599.8
L_80_5_01	1246.33	1172.27	624.57	46.72	10800.2	1246.33	1196.46	672.29	43.81	10800.1	905.34	873.67	868.35	1106.2
L_80_5_02	1166.14	1076.68	543.73	49.50	10800.1	1166.14	1124.29	597.55	46.85	10800.1	807.02	787.15	777.36	1606.2
L_80_5_03	1260.89	1211.53	595.91	50.81	10800.2	1260.89	1174.11	654.53	44.25	10800.1	972.95	916.47	912.5	1358.9
L_80_5_04	1417.09	1355.79	577.40	57.41	10800.1	1417.09	1294.96	621.50	52.01	10800.1	945.20	886.6	878.53	1656.3
L_80_5_05	1415.46	1139.92	553.57	51.44	10800.1	1415.46	1282.29	585.81	54.32	10811.5	866.27	810.54	802.86	2788.8
M_80_3_01	1277.77	1215.89	569.62	53.15	10800.1	1277.77	1143.34	620.57	45.72	10800.1	867.92	851.51	837.68	595.2
M_80_3_02	1355.80	1316.20	631.13	52.05	10800.1	1355.80	1107.49	654.82	40.87	10803.3	862.09	840.99	837.12	2376.8
M_80_3_03	1543.57	1204.20	620.73	48.45	10802.3	1543.57	1303.71	648.70	50.24	10807.2	1020.64	921.56	913.82	2161.5
M_80_3_04	1362.72	1266.93	642.85	49.26	10800.9	1362.72	1285.20	682.70	46.88	10800.1	1056.29	1014.93	1007.04	1738.4
M_80_3_05	1485.58	1391.58	672.03	51.71	10800.1	1485.58	1384.55	724.35	47.68	10800.0	1097.96	1064.62	1046.83	1523.5
M_80_5_01	1208.97	1162.44	644.86	44.53	10800.1	1208.97	1182.12	663.15	43.90	10800.0	919.16	880.44	874.9	2390.5
M_80_5_02	1241.72	1109.28	599.91	45.92	10803.2	1241.72	1028.64	619.61	39.76	10800.0	839.06	792.15	783.32	2006.1
M_80_5_03	1364.26	1181.36	603.84	48.89	10800.1	1364.26	1239.10	653.71	47.24	10800.0	931.80	867.38	858.72	1926.2
M_80_5_04	1342.68	1238.62	637.12	48.56	10800.1	1342.68	1195.22	656.11	45.11	10800.1	914.76	879.65	871.57	1993.7
M_80_5_05	1080.12	860.73	564.86	34.37	10800.1	1080.12	943.52	593.29	37.12	10800.0	797.87	773.4	763.03	1630.1
S_80_3_01	1435.63	1425.18	581.87	59.17	10800.0	1435.63	1357.98	620.18	54.33	10800.0	891.85	836.02	830.14	1743.0
S_80_3_02	1308.72	1234.85	614.90	50.20	10800.0	1308.72	1262.63	644.49	48.96	10800.0	843.29	824.78	818.35	1523.4
S_80_3_03	1191.96	1011.55	592.24	41.45	10800.0	1191.96	975.18	624.88	35.92	10800.0	898.81	839.94	825.81	1953.4
S_80_3_04	1393.56	1281.87	627.12	51.08	10800.0	1393.56	1332.45	671.91	49.57	10800.2	1005.19	989.59	976.49	2172.3
S_80_3_05	1524.00	1436.23	676.23	52.92	10800.0	1524.00	1363.61	715.79	47.51	10800.2	1106.45	1027.04	1014.89	2961.9
S_80_5_01	1157.14	1126.64	659.09	41.50	10800.0	1157.14	1137.20	672.31	40.88	10800.0	894.39	875.53	866.91	1888.2
S_80_5_02	1158.57	1092.90	573.45	47.53	10800.0	1158.57	1038.98	598.57	42.39	10800.0	805.87	778.15	772.72	1432.2
S_80_5_03	1295.94	1197.20	638.93	46.63	10801.0	1295.94	1162.37	665.68	42.73	10800.0	969.39	908.66	904.89	2355.8
S_80_5_04	1412.68	1353.37	602.72	55.47	10800.0	1412.68	1264.99	656.91	48.07	10800.0	911.40	882.2	875.84	1073.8
S_80_5_05	1381.54	1039.17	527.65	49.22	10800.0	1381.54	1038.93	578.40	44.33	10800.0	839.99	795.02	788.21	2048.7

Instance	Mathematical model with IS					Mathematical model with IS and VIs					Matheuristic			
	IS	Best	Bound	Gap	Time (s)	IS	Best	Bound	Gap	Time (s)	Phase 1	Phase 2	Phase 3	Time(s)
L_100_3_01	1352.03	1228.96	588.77	52.09	10800.1	1352.03	1266.43	680.75	46.25	10801.7	980.95	930.2	919.44	4277.2
L_100_3_02	1343.08	1252.66	647.97	48.27	10800.3	1343.08	1268.04	712.12	43.84	10802.0	985.29	971.12	958.55	1882.5
L_100_3_03	1586.42	1502.46	760.42	49.39	10800.1	1586.42	1504.89	832.67	44.67	10800.1	1138.86	1104.3	1096.75	3703.4
L_100_3_04	1607.77	1399.34	661.66	52.72	10800.1	1607.77	1419.26	742.77	47.67	10800.1	1042.39	1004.26	993.4	2485.2
L_100_3_05	1868.58	1745.82	761.89	56.36	10800.2	1868.58	1813.22	826.25	54.43	10800.1	1305.99	1277.37	1265.03	2349.0
L_100_5_01	1668.82	1287.89	636.58	50.57	10800.1	1668.82	1552.09	712.53	54.09	10801.6	1029.96	971.93	960.23	2036.9
L_100_5_02	792.06	751.29	349.05	53.54	10800.2	792.06	708.99	385.22	45.67	10802.3	541.82	520.32	515.58	3142.3
L_100_5_03	1293.13	1275.67	597.07	53.20	10800.1	1293.13	1281.89	655.56	48.86	10800.1	926.31	903.01	893.84	2669.1
L_100_5_04	1342.81	1313.84	606.16	53.86	10800.2	1342.81	1323.63	679.03	48.70	10800.1	950.62	902.43	886.38	5779.0
L_100_5_05	1560.69	1448.55	656.95	54.65	10800.1	1560.69	1335.30	749.12	43.90	10800.1	1061.84	1006.56	993.34	2658.4
M_100_3_01	1730.85	1545.99	613.26	60.33	10805.2	1730.85	1546.92	684.46	55.75	10808.8	1004.46	961.54	953.41	2514.7
M_100_3_02	1508.22	1201.05	683.09	43.13	10800.1	1508.22	1349.33	731.10	45.82	10800.1	1049.62	1019.61	1006.45	2673.0
M_100_3_03	1470.14	1460.47	785.09	46.24	10800.1	1470.14	1420.71	826.57	41.82	10800.1	1109.25	1084.78	1074.4	2810.9
M_100_3_04	1407.65	1335.90	683.75	48.82	10800.2	1407.65	1339.19	760.17	43.24	10806.6	1038.03	993.23	981.61	2962.5
M_100_3_05	2067.97	2010.00	792.85	60.55	10800.1	2067.97	1839.94	855.27	53.52	10800.1	1269.34	1217.53	1203.76	2888.3
M_100_5_01	1440.30	1275.21	659.87	48.25	10800.1	1440.30	1368.97	723.27	47.17	10800.1	1026.68	988.14	975.06	2212.2
M_100_5_02	836.22	707.00	355.45	49.72	10800.1	836.22	787.29	392.09	50.20	10800.1	564.24	532.01	522.39	3139.9
M_100_5_03	1446.63	1381.26	619.94	55.12	10800.3	1446.63	1325.26	682.14	48.53	10800.1	932.16	893.1	884.01	2020.9
M_100_5_04	1355.99	1214.31	616.07	49.27	10800.2	1355.99	1249.62	672.78	46.16	10800.1	942.62	899.68	889.55	2688.8
M_100_5_05	1810.43	1554.96	674.09	56.65	10800.1	1810.43	1582.89	758.14	52.10	10800.1	1030.92	988.7	974.07	2268.3
S_100_3_01	1372.82	1193.74	662.37	44.51	10805.2	1372.82	1356.18	699.74	48.40	10801.7	1025.11	948.31	940.47	6425.5
S_100_3_02	1318.28	1291.77	717.26	44.47	10805.7	1318.28	1296.70	760.15	41.38	10800.5	1035.51	1016.57	1007.04	3180.5
S_100_3_03	1700.20	1593.36	811.11	49.09	10800.0	1700.20	1439.97	865.93	39.86	10800.9	1164.66	1121.01	1113.45	3307.4
S_100_3_04	1404.17	1320.90	740.43	43.95	10803.1	1404.17	1342.79	773.07	42.43	10800.1	1081.16	1042.17	1027.86	5863.9
S_100_3_05	2050.71	1808.30	832.16	53.98	10800.0	2050.71	1827.56	865.59	52.64	10800.0	1273.86	1256.79	1246.7	2540.0
S_100_5_01	1864.91	1581.40	717.44	54.63	10800.1	1864.91	1415.90	761.23	46.24	10801.0	1025.19	968.31	957.62	3184.1
S_100_5_02	805.01	669.23	378.50	43.44	10800.0	805.01	728.77	401.02	44.97	10801.9	530.59	515.13	508.45	1400.7
S_100_5_03	1276.40	1177.16	664.68	43.54	10800.1	1276.40	1180.35	691.42	41.42	10800.6	967.13	921.67	914.81	1803.5
S_100_5_04	1251.37	1200.61	666.52	44.48	10801.4	1251.37	1155.88	713.72	38.25	10800.1	936.55	912.02	900.24	2567.8
S_100_5_05	1659.19	1415.20	722.36	48.96	10800.4	1659.19	1516.47	775.21	48.88	10800.0	1124.91	1046.8	1035.42	2591.4