

		TD-FSMLRP - Mathematical model with IS and without VIs						
		Instance	Best IS	Upper bound	Lower bound	GAP (%)	Time (s)	
10 CUSTOMERS	3 DEPOTS	SMALL	S_10_3_01	18034.50	18031.60	246.63	98.63	10800
			S_10_3_02	18510.90	18510.90	271.93	98.53	10800
			S_10_3_03	20423.70	20423.70	237.46	98.84	10800
			S_10_3_04	18590.20	18585.80	238.79	98.72	10800
			S_10_3_05	21801.70	21798.80	233.89	98.93	10800
			Average	19472.20	19470.16	245.74	98.73	10800
		MEDIUM	M_10_3_01	17795.00	17782.80	237.87	98.66	10800
			M_10_3_02	18525.50	18520.90	260.83	98.59	10800
			M_10_3_03	19302.60	19302.60	228.15	98.82	10800
			M_10_3_04	20537.40	20537.30	228.69	98.89	10800
			M_10_3_05	20772.40	19955.50	221.53	98.89	10800
			Average	19386.58	19219.82	235.41	98.77	10800
		LARGE	L_10_3_01	21457.60	21457.60	225.70	98.98	10800
			L_10_3_02	19246.60	19246.60	243.17	98.74	10800
			L_10_3_03	18226.90	18226.80	210.09	98.85	10800
			L_10_3_04	19330.00	19328.50	215.72	98.88	10800
			L_10_3_05	21406.60	21406.60	210.11	99.02	10800
			Average	19933.54	19933.22	220.96	98.89	10800
	5 DEPOTS	SMALL	S_10_5_01	18494.50	18493.10	240.96	98.70	10800
			S_10_5_02	23096.50	22358.20	208.44	99.07	10800
			S_10_5_03	18076.20	18067.30	242.99	98.66	10800
			S_10_5_04	17207.10	17207.10	277.10	98.39	10800
			S_10_5_05	17532.50	17524.80	291.30	98.34	10800
			Average	18881.36	18730.10	252.16	98.63	10800
		MEDIUM	M_10_5_01	17619.40	17619.00	235.64	98.66	10800
			M_10_5_02	17588.60	17584.10	192.51	98.91	10800
			M_10_5_03	17585.50	16751.40	238.90	98.57	10800
			M_10_5_04	17856.40	17856.40	279.79	98.43	10800
			M_10_5_05	16956.70	16956.70	288.89	98.30	10800
			Average	17521.32	17353.52	247.14	98.57	10800
		LARGE	L_10_5_01	19468.20	19468.20	218.43	98.88	10800
			L_10_5_02	16708.00	16708.00	183.92	98.90	10800
			L_10_5_03	18398.30	18396.70	221.71	98.79	10800
			L_10_5_04	18211.20	18005.50	250.46	98.61	10800
			L_10_5_05	17453.90	16984.90	271.16	98.40	10800
			Average	18047.92	17912.66	229.14	98.72	10800

		TD-FSMLRP - Mathematical model with IS and without VIs						
		Instance	Best IS	Upper bound	Lower bound	GAP (%)	Time (s)	
20 CUSTOMERS	3 DEPOTS	SMALL	S_20_3_01	20988.60	20988.60	288.10	98.63	10800
			S_20_3_02	23361.50	21573.00	295.50	98.63	10800
			S_20_3_03	18852.60	18829.40	288.78	98.47	10800
			S_20_3_04	21409.40	21369.20	287.37	98.66	10800
			S_20_3_05	23031.00	22535.30	322.41	98.57	10800
		Average	21528.62	21059.10	296.43	98.59	10800	
		MEDIUM	M_20_3_01	23043.50	22554.90	285.81	98.73	10800
			M_20_3_02	20513.30	20510.40	302.21	98.53	10800
			M_20_3_03	18803.40	18803.00	290.51	98.46	10800
			M_20_3_04	20146.80	19784.50	284.22	98.56	10800
			M_20_3_05	20554.30	20059.30	325.88	98.38	10800
		Average	20612.26	20342.42	297.73	98.53	10800	
		LARGE	L_20_3_01	19334.70	17867.20	276.61	98.45	10800
			L_20_3_02	25030.70	23736.70	298.62	98.74	10800
			L_20_3_03	20321.60	20321.60	289.44	98.58	10800
			L_20_3_04	19657.50	19657.50	282.91	98.56	10800
			L_20_3_05	21994.70	21702.80	322.61	98.51	10800
		Average	21267.84	20657.16	294.04	98.57	10800	
	5 DEPOTS	SMALL	S_20_5_01	20843.30	20404.10	305.48	98.50	10800
			S_20_5_02	20719.40	20718.80	288.58	98.61	10800
			S_20_5_03	22574.20	22097.10	279.64	98.73	10800
			S_20_5_04	20999.30	20929.30	293.17	98.60	10800
			S_20_5_05	19809.20	18809.40	241.34	98.72	10800
		Average	20989.08	20591.74	281.64	98.63	10800	
		MEDIUM	M_20_5_01	19999.30	19460.20	307.32	98.42	10800
			M_20_5_02	22411.10	20045.00	291.60	98.55	10800
			M_20_5_03	19389.20	19375.40	279.45	98.56	10800
			M_20_5_04	20144.70	19093.50	294.14	98.46	10800
			M_20_5_05	19992.90	19991.90	239.13	98.80	10800
		Average	20387.44	19593.20	282.33	98.56	10800	
		LARGE	L_20_5_01	21181.00	21181.00	303.81	98.57	10800
			L_20_5_02	20989.70	20990.60	288.81	98.62	10800
			L_20_5_03	18561.40	18561.40	272.91	98.53	10800
			L_20_5_04	20923.20	20534.40	291.10	98.58	10800
			L_20_5_05	19137.10	18713.90	233.32	98.75	10800
		Average	20158.48	19996.26	277.99	98.61	10800	

		TD-FSMLRP - Mathematical model with IS and without VIs						
		Instance	Best IS	Upper bound	Lower bound	GAP (%)	Time (s)	
50 CUSTOMERS	3 DEPOTS	SMALL	S_50_3_01	34904.90	31023.60	428.63	98.62	10800
			S_50_3_02	32438.30	31929.50	485.82	98.48	10800
			S_50_3_03	28366.90	28366.60	438.06	98.46	10800
			S_50_3_04	25046.20	25044.50	400.48	98.40	10800
			S_50_3_05	34102.00	34102.00	421.68	98.76	10800
			Average	30971.66	30093.24	434.93	98.54	10800
		MEDIUM	M_50_3_01	30550.30	30550.30	424.72	98.61	10800
			M_50_3_02	26374.70	26362.50	481.57	98.17	10800
			M_50_3_03	32151.40	32151.40	428.95	98.67	10800
			M_50_3_04	26859.70	26859.70	398.58	98.52	10800
			M_50_3_05	37798.00	37798.00	414.54	98.90	10800
			Average	30746.82	30744.38	429.67	98.57	10800
		LARGE	L_50_3_01	28406.20	28406.20	409.75	98.56	10800
			L_50_3_02	29140.70	29140.70	481.11	98.35	10800
			L_50_3_03	37040.50	37040.20	430.91	98.84	10800
			L_50_3_04	27276.60	27265.40	397.71	98.54	10800
			L_50_3_05	40934.70	40934.30	410.93	99.00	10800
			Average	32559.74	32557.36	426.08	98.66	10800
	5 DEPOTS	SMALL	S_50_5_01	29213.20	29201.00	420.69	98.56	10800
			S_50_5_02	28451.90	28451.90	421.26	98.52	10800
			S_50_5_03	28482.60	28482.60	452.55	98.41	10800
			S_50_5_04	28375.20	28375.20	396.89	98.60	10800
			S_50_5_05	28093.50	28061.80	455.18	98.38	10800
			Average	28523.28	28514.50	429.31	98.49	10800
		MEDIUM	M_50_5_01	25794.70	25794.70	418.56	98.38	10800
			M_50_5_02	30893.20	30891.70	419.30	98.64	10800
			M_50_5_03	31647.60	31630.50	450.32	98.58	10800
			M_50_5_04	31541.10	31541.10	395.31	98.75	10800
			M_50_5_05	28557.00	28552.50	426.43	98.51	10800
			Average	29686.72	29682.10	421.98	98.57	10800
		LARGE	L_50_5_01	29186.90	29173.00	415.97	98.57	10800
			L_50_5_02	27094.80	27094.30	418.44	98.46	10800
			L_50_5_03	30368.80	30368.80	446.70	98.53	10800
			L_50_5_04	28015.70	28005.20	393.44	98.60	10800
			L_50_5_05	27871.80	27871.80	444.89	98.40	10800
			Average	28507.60	28502.62	423.89	98.51	10800

		TD-FSMLRP - Mathematical model with IS and without VIs						
		Instance	Best IS	Upper bound	Lower bound	GAP (%)	Time (s)	
80 CUSTOMERS	3 DEPOTS	SMALL	S_80_3_01	41519.60	41517.60	500.15	98.80	10800
			S_80_3_02	46020.20	46019.80	513.29	98.88	10800
			S_80_3_03	40191.10	40182.40	479.72	98.81	10800
			S_80_3_04	40521.00	40521.00	487.36	98.80	10800
			S_80_3_05	43018.30	43018.20	515.77	98.80	10800
			Average	42254.04	42251.80	499.26	98.82	10800
		MEDIUM	M_80_3_01	43118.30	43105.20	476.10	98.90	10800
			M_80_3_02	39391.40	39391.40	511.33	98.70	10800
			M_80_3_03	42134.50	42112.40	474.26	98.87	10800
			M_80_3_04	35699.30	35699.30	483.56	98.65	10800
			M_80_3_05	40397.60	40391.60	525.35	98.70	10800
			Average	40148.22	40139.98	494.12	98.76	10800
		LARGE	L_80_3_01	44375.10	44375.00	463.84	98.95	10800
			L_80_3_02	41494.20	41494.20	501.21	98.79	10800
			L_80_3_03	44169.50	44168.40	470.15	98.94	10800
			L_80_3_04	40444.30	40443.70	480.04	98.81	10800
			L_80_3_05	44697.60	44697.60	508.45	98.86	10800
			Average	43036.14	43035.78	484.74	98.87	10800
	5 DEPOTS	SMALL	S_80_5_01	33949.70	33947.40	566.16	98.33	10800
			S_80_5_02	34354.20	33803.40	527.23	98.44	10800
			S_80_5_03	32459.50	31947.70	508.66	98.41	10800
			S_80_5_04	33006.00	33006.00	525.80	98.41	10800
			S_80_5_05	33408.80	33407.20	454.03	98.64	10800
			Average	33435.64	33222.34	516.38	98.45	10800
		MEDIUM	M_80_5_01	37594.00	37592.30	563.87	98.50	10800
			M_80_5_02	35233.40	35229.70	518.60	98.53	10800
			M_80_5_03	31197.70	31192.10	513.17	98.35	10800
			M_80_5_04	37597.40	37597.40	520.00	98.62	10800
			M_80_5_05	36781.60	36775.10	442.33	98.80	10800
			Average	35680.82	35677.32	511.59	98.56	10800
		LARGE	L_80_5_01	39498.80	39496.20	555.45	98.59	10800
			L_80_5_02	35856.00	35856.00	515.37	98.56	10800
			L_80_5_03	39724.30	39724.50	506.04	98.73	10800
			L_80_5_04	35528.70	35528.70	509.02	98.57	10800
			L_80_5_05	38740.60	38739.30	442.77	98.86	10800
			Average	37869.68	37868.94	505.73	98.66	10800

		TD-FSMLRP - Mathematical model with IS and without VIs						
		Instance	Best IS	Upper bound	Lower bound	GAP (%)	Time (s)	
100 CUSTOMERS	3 DEPOTS	SMALL	S_100_3_01	41876.20	41875.40	548.42	98.69	10800
			S_100_3_02	51586.00	51574.30	541.06	98.95	10800
			S_100_3_03	50897.20	50884.20	650.47	98.72	10800
			S_100_3_04	47824.50	47824.50	619.17	98.71	10800
			S_100_3_05	39638.70	39629.80	608.03	98.47	10800
			Average	46364.52	46357.64	593.43	98.71	10800
		MEDIUM	M_100_3_01	44438.40	44438.40	534.09	98.80	10800
			M_100_3_02	45114.70	45107.80	537.97	98.81	10800
			M_100_3_03	39014.00	39014.00	650.59	98.33	10800
			M_100_3_04	48117.50	48117.50	620.98	98.71	10800
			M_100_3_05	47253.90	47250.60	606.75	98.72	10800
			Average	44787.70	44785.66	590.08	98.67	10800
		LARGE	L_100_3_01	49885.60	49885.60	532.96	98.93	10800
			L_100_3_02	48513.50	48512.90	538.18	98.89	10800
			L_100_3_03	48874.90	48874.80	647.70	98.67	10800
			L_100_3_04	47549.90	47548.50	616.23	98.70	10800
			L_100_3_05	47478.70	47478.70	604.76	98.73	10800
			Average	48460.52	48460.10	587.97	98.79	10800
	5 DEPOTS	SMALL	S_100_5_01	38682.70	38679.70	603.24	98.44	10800
			S_100_5_02	37170.50	37165.70	308.20	99.17	10800
			S_100_5_03	43567.60	43567.60	559.18	98.72	10800
			S_100_5_04	42184.80	42184.10	548.48	98.70	10800
			S_100_5_05	41544.50	41542.80	615.66	98.52	10800
			Average	40630.02	40627.98	526.95	98.71	10800
		MEDIUM	M_100_5_01	44846.10	44846.10	594.85	98.67	10800
			M_100_5_02	39125.10	39123.90	307.47	99.21	10800
			M_100_5_03	38767.00	38749.60	553.00	98.57	10800
			M_100_5_04	36575.90	36056.20	544.44	98.49	10800
			M_100_5_05	42739.00	42737.40	594.27	98.61	10800
			Average	40410.62	40302.64	518.80	98.71	10800
		LARGE	L_100_5_01	35152.50	35152.50	594.77	98.31	10800
			L_100_5_02	33798.90	33785.20	308.22	99.09	10800
			L_100_5_03	38896.70	38896.70	550.92	98.58	10800
			L_100_5_04	39332.20	39325.80	542.22	98.62	10800
			L_100_5_05	38314.10	38314.10	593.27	98.45	10800
			Average	37098.88	37094.86	517.88	98.61	10800