

		TD-LRP							
		Instance	Matheuristic proposed by Schmidt et al. (2019)		Metaheuristic to solve TD-FSMLRP with adaptations				
			Best solution	Time (s)	without departure flexibility		with departure flexibility		
					Best solution	Time (s)	Best solution	Time (s)	
10 CUSTOMERS	3 DEPOTS	SMALL	S_10_3_01	7505	36	7193	4	6915	4
			S_10_3_02	8209	33	7740	5	6855	4
			S_10_3_03	6554	40	6319	21	6256	13
			S_10_3_04	7710	40	7120	4	6502	3
			S_10_3_05	7202	41	6780	5	6780	6
			Average	7436	38	7030	8	6662	6
	MEDIUM	M_10_3_01	7489	38	7407	2	6848	1	
		M_10_3_02	8570	36	8390	28	8249	46	
		M_10_3_03	6358	36	6236	43	6194	42	
		M_10_3_04	7169	36	7021	1	6513	2	
		M_10_3_05	7481	37	7209	2	6910	1	
		Average	7413	36	7253	15	6943	19	
	LARGE	L_10_3_01	7592	35	7243	3	7167	3	
		L_10_3_02	8649	35	8326	31	7568	45	
		L_10_3_03	6418	34	6151	1	6126	1	
		L_10_3_04	7028	32	6963	119	6382	133	
		L_10_3_05	7203	33	7082	4	6997	2	
		Average	7378	34	7153	32	6848	37	
	5 DEPOTS	SMALL	S_10_5_01	6842	64	6723	5	6285	5
			S_10_5_02	5692	55	5595	176	5317	143
S_10_5_03			7705	61	7519	125	6807	96	
S_10_5_04			9302	67	9145	3	9120	4	
S_10_5_05			9298	71	9038	5	8717	4	
Average			7768	64	7604	63	7249	50	
MEDIUM		M_10_5_01	6532	55	6532	16	5957	12	
		M_10_5_02	5742	57	5537	1	5246	2	
		M_10_5_03	7907	57	7907	10	7452	15	
		M_10_5_04	10535	57	10517	6	10152	6	
		M_10_5_05	8449	56	8449	37	5974	30	
		Average	7833	56	7788	14	6956	13	
LARGE		L_10_5_01	6119	54	6119	2	5960	9	
		L_10_5_02	5976	58	5798	32	3831	45	
	L_10_5_03	7690	57	7568	28	7450	33		
	L_10_5_04	8409	52	8409	50	7090	50		
	L_10_5_05	9205	61	8883	18	8792	22		
	Average	7480	56	7355	26	6625	32		

		TD-LRP							
		Instance	Matheuristic proposed by Schmidt et al. (2019)		Metaheuristic to solve TD-FSMLRP with adaptations				
			Best solution	Time (s)	without departure flexibility		with departure flexibility		
					Best solution	Time (s)	Best solution	Time (s)	
20 CUSTOMERS	3 DEPOTS	SMALL	S_20_3_01	12282	114	12223	52	11851	13
			S_20_3_02	13430	106	12944	41	12897	12
			S_20_3_03	14245	155	13741	147	13659	20
			S_20_3_04	12849	94	12309	42	12200	25
			S_20_3_05	13106	97	13087	39	13059	23
		Average	13182	113	12861	64	12733	19	
		MEDIUM	M_20_3_01	12501	97	11693	50	11548	14
			M_20_3_02	13667	91	12929	51	12877	20
			M_20_3_03	14092	94	13553	53	13414	24
			M_20_3_04	12305	90	11857	24	11604	30
			M_20_3_05	13677	86	13682	68	13482	21
		Average	13248	92	12743	49	12585	22	
		LARGE	L_20_3_01	12384	90	11776	46	11536	16
			L_20_3_02	13882	88	13464	93	13254	20
			L_20_3_03	14192	89	13567	111	13335	25
	L_20_3_04		12848	92	12459	43	11721	16	
	L_20_3_05		13338	84	13404	26	12907	18	
	Average	13329	89	12934	64	12551	19		
	5 DEPOTS	SMALL	S_20_5_01	13386	173	13371	142	13363	24
			S_20_5_02	12438	238	12106	71	10860	14
S_20_5_03			11749	211	11330	70	11089	14	
S_20_5_04			11592	155	11363	34	11363	16	
S_20_5_05			11201	226	10689	47	10599	16	
Average		12073	200	11772	73	11455	17		
MEDIUM		M_20_5_01	14588	166	14198	58	13957	14	
		M_20_5_02	13277	162	12724	107	12499	26	
		M_20_5_03	11951	151	11275	16	11242	12	
		M_20_5_04	11812	146	11685	55	11167	15	
		M_20_5_05	11418	175	10999	84	10954	17	
Average		12609	160	12176	64	11964	17		
LARGE		L_20_5_01	13820	154	13314	92	13117	19	
		L_20_5_02	13039	167	12871	59	11978	15	
		L_20_5_03	11603	147	11273	49	11318	14	
	L_20_5_04	12220	153	11653	160	10308	24		
	L_20_5_05	11201	165	10663	22	10571	11		
Average	12377	157	11955	76	11458	17			

		TD-LRP							
		Instance	Matheuristic proposed by Schmidt et al. (2019)		Metaheuristic to solve TD-FSMLRP with adaptations				
			Best solution	Time (s)	without departure flexibility		with departure flexibility		
					Best solution	Time (s)	Best solution	Time (s)	
50 CUSTOMERS	3 DEPOTS	SMALL	S_50_3_01	20526	624	20029	433	19571	361
			S_50_3_02	26945	952	26376	420	26081	910
			S_50_3_03	23625	746	23073	393	22924	413
			S_50_3_04	22074	603	21326	240	21198	336
			S_50_3_05	24951	771	23972	412	23587	707
		Average	23624	739	22955	380	22672	545	
		MEDIUM	M_50_3_01	21132	794	20585	966	20525	808
			M_50_3_02	25238	869	24626	231	23824	232
			M_50_3_03	24019	941	22844	252	22857	414
			M_50_3_04	21636	709	21189	200	20838	179
	M_50_3_05		25233	1102	24310	779	23856	571	
	Average	23452	883	22711	485	22380	441		
	LARGE	L_50_5_01	23707	1476	23262	943	22902	799	
		L_50_5_02	24290	1383	23748	503	23236	435	
		L_50_5_03	22825	1600	22086	774	21769	656	
		L_50_5_04	21497	1569	21381	859	21101	462	
		L_50_5_05	24711	1489	24141	1166	23533	1153	
	Average	23406	1504	22924	849	22508	701		
	5 DEPOTS	SMALL	S_50_5_01	23427	1326	23214	1085	23072	772
			S_50_5_02	23600	1387	23296	826	23141	506
			S_50_5_03	23024	1374	22433	633	22394	447
			S_50_5_04	20873	1207	20823	679	20308	433
			S_50_5_05	24613	1475	23735	749	23735	704
			Average	23107	1354	22700	794	22530	572
		MEDIUM	M_50_5_01	23755	1564	22833	649	22578	726
M_50_5_02			23671	1671	23321	1523	23091	933	
M_50_5_03			23071	1603	23019	512	22461	701	
M_50_5_04			20986	1568	21111	274	20164	195	
M_50_5_05			23444	1310	22710	145	22561	313	
Average		22985	1543	22599	621	22171	574		
LARGE		L_50_3_01	21777	873	20564	381	20386	307	
		L_50_3_02	25411	896	24939	356	24341	482	
		L_50_3_03	23258	801	22459	478	22421	324	
	L_50_3_04	22221	741	21907	989	21411	1265		
	L_50_3_05	23641	911	23288	312	22804	284		
Average	23262	845	22631	503	22273	532			

		TD-LRP							
		Instance	Matheuristic proposed by Schmidt et al. (2019)		Metaheuristic to solve TD-FSMLRP with adaptations				
			Best solution	Time (s)	without departure flexibility		with departure flexibility		
					Best solution	Time (s)	Best solution	Time (s)	
80 CUSTOMERS	3 DEPOTS	SMALL	S_80_3_01	30579	2007	29990	846	29735	1168
			S_80_3_02	30739	2422	29986	822	29581	905
			S_80_3_03	28534	1952	28136	977	27813	712
			S_80_3_04	36619	1853	36751	1358	36482	1706
			S_80_3_05	39593	5318	38707	1411	38633	1075
			Average	33213	2710	32714	1083	32449	1113
	MEDIUM	M_80_3_01	31415	1776	30766	1110	30345	1135	
		M_80_3_02	31991	3055	31440	1154	30946	778	
		M_80_3_03	29785	1641	29517	731	29366	1301	
		M_80_3_04	38746	2798	38653	1461	37908	2122	
		M_80_3_05	40399	3290	39646	1484	38458	1132	
		Average	34467	2512	34004	1188	33405	1294	
	LARGE	L_80_3_01	31053	2056	30290	579	29602	799	
		L_80_3_02	29751	1639	29642	775	29174	981	
		L_80_3_03	28516	1719	28425	621	27568	793	
		L_80_3_04	37954	3164	37555	1054	37369	1256	
		L_80_3_05	38930	3230	39007	1047	38620	831	
		Average	33241	2362	32984	815	32467	932	
	5 DEPOTS	SMALL	S_80_5_01	29676	3444	30201	818	29442	772
			S_80_5_02	29585	4433	28871	1101	28632	938
			S_80_5_03	33942	4386	32332	978	32056	2160
			S_80_5_04	32585	3660	31747	707	31278	1358
			S_80_5_05	27827	4923	27917	881	27260	1310
			Average	30723	4169	30214	897	29734	1308
		MEDIUM	M_80_5_01	30410	2832	30440	1350	29969	736
M_80_5_02			29370	3466	28908	1468	28435	1367	
M_80_5_03			32745	3174	31534	468	30986	926	
M_80_5_04			32057	2843	31319	679	30725	992	
M_80_5_05			28439	3095	27249	1212	27105	771	
Average			30604	3082	29890	1035	29444	959	
LARGE		L_80_5_01	30631	3296	29979	706	29783	532	
		L_80_5_02	29012	4300	28244	1458	27380	1459	
	L_80_5_03	34080	5754	32634	885	32319	1425		
	L_80_5_04	32256	2454	31497	1705	31043	1544		
	L_80_5_05	29779	3296	29688	872	28549	2108		
	Average	31152	3820	30408	1125	29815	1414		

		TD-LRP							
		Instance	Matheuristic proposed by Schmidt et al. (2019)		Metaheuristic to solve TD-FSMLRP with adaptations				
			Best solution	Time (s)	without departure flexibility		with departure flexibility		
					Best solution	Time (s)	Best solution	Time (s)	
100 CUSTOMERS	3 DEPOTS	SMALL	S_100_3_01	35824	4423	35856	3075	34996	3099
			S_100_3_02	35702	3672	35291	1897	34991	2490
			S_100_3_03	41437	5508	41721	2332	40833	3855
			S_100_3_04	36063	2908	36045	2851	35680	1890
			S_100_3_05	49773	10801	47424	2718	46858	2580
		Average	39760	5462	39267	2574	38672	2783	
		MEDIUM	M_100_3_01	36145	6379	34840	2353	33996	1741
			M_100_3_02	35873	3038	35588	1573	34732	3228
			M_100_3_03	40028	5514	40019	1933	38600	1526
			M_100_3_04	35422	2719	35163	902	34372	1973
			M_100_3_05	46053	6227	45241	2812	44146	1965
		Average	38704	4775	38170	1915	37169	2087	
		LARGE	L_100_3_01	34822	3104	35025	1824	33200	1433
			L_100_3_02	34890	8743	33878	3683	33353	2086
			L_100_3_03	39744	2707	40047	2385	38947	3091
	L_100_3_04		36917	3300	36208	2628	35340	2759	
	L_100_3_05		47083	5296	46798	1540	46027	1314	
	Average	38691	4630	38391	2412	37373	2137		
	5 DEPOTS	SMALL	S_100_5_01	36360	9829	36046	2420	35620	2964
			S_100_5_02	20501	10802	20003	1748	19417	2517
			S_100_5_03	34567	8675	34308	2191	33820	2503
			S_100_5_04	33549	9560	33416	2672	32922	2433
			S_100_5_05	41476	10801	41386	1944	40541	3508
		Average	33291	9933	33032	2195	32464	2785	
		MEDIUM	M_100_5_01	36256	9495	35701	2652	35508	3136
M_100_5_02			20495	10802	21199	2406	20700	2201	
M_100_5_03			35149	8089	34869	1423	33797	2057	
M_100_5_04			33708	10285	33399	3171	33121	872	
M_100_5_05			39717	8154	39296	2520	38735	981	
Average		33065	9365	32893	2434	32372	1849		
LARGE		L_100_5_01	37295	9029	37440	2411	36410	2105	
		L_100_5_02	20067	10801	19853	1955	19646	2176	
		L_100_5_03	34315	8267	33905	3107	33694	2566	
	L_100_5_04	33631	9166	33601	2411	32787	1064		
	L_100_5_05	40618	10801	40386	2768	39575	2544		
Average	33185	9613	33037	2530	32422	2091			