

Computational results for an Italian cookie factory data instance. Option: p = 5, r = 30

K	Objective Value			% Deviation			Time (sec)		
	<i>bfs</i>	<i>dfs</i>	<i>bs</i>	<i>bfs</i>	<i>dfs</i>	<i>bs</i>	<i>bfs</i>	<i>dfs</i>	<i>bs</i>
1	6759995	6759995	6735281	2.88	2.88	2.50	68.00	75.05	69.60
2	6723669	6714093	6695166	2.33	2.18	1.89	73.33	78.73	75.07
3	6706540	6706540	6704517	2.06	2.06	2.03	52.62	54.42	56.25
4	6706411	6739327	6706056	2.06	2.56	2.06	54.76	51.13	52.15
5	6602354	6708476	6708250	0.48	2.09	2.09	53.09	49.60	53.82
6	6666238	6665228	6691694	1.45	1.44	1.84	45.78	46.31	50.23
7	6656846	6704961	6695669	1.31	2.04	1.90	47.01	48.39	49.06
8	6602354	6631169	6705059	0.48	0.92	2.04	54.12	47.01	53.64
9	6704614	6686843	6723313	2.04	1.76	2.32	49.39	50.83	52.85
10	6697232	6687716	6677814	1.92	1.78	1.63	50.03	49.23	50.50
11	6665951	6680231	6645081	1.45	1.66	1.13	51.53	54.05	54.77
12	6701125	6671826	6717771	1.98	1.54	2.24	54.25	50.92	53.05
13	6667748	6726662	6645081	1.47	2.37	1.13	50.72	52.50	54.39
14	6667748	6675386	6699589	1.47	1.59	1.96	55.79	59.97	56.95
15	6683809	6631169	6665951	1.72	0.92	1.45	56.79	55.01	50.93
16	6701480	6674160	6679292	1.99	1.57	1.65	53.33	58.80	60.61
17	6659914	6664844	6710776	1.36	1.43	2.13	52.87	58.33	58.95
18	6710776	6679292	6710776	2.13	1.65	2.13	60.86	55.28	54.39
19	6710776	6674160	6687158	2.13	1.57	1.77	56.90	56.97	58.56
20	6710776	6674160	6687158	2.13	1.57	1.77	56.18	60.33	58.57

Computational results for an Italian cookie factory data instance. Option: p = 10, r = 30

K	Objective Value			% Deviation			Time (sec)		
	<i>bfs</i>	<i>dfs</i>	<i>bs</i>	<i>bfs</i>	<i>dfs</i>	<i>bs</i>	<i>bfs</i>	<i>dfs</i>	<i>bs</i>
1	6706014	6745760	6759995	2.06	2.66	2.88	67.50	66.04	70.56
2	6723669	6712296	6710231	2.33	2.15	2.12	66.64	61.99	64.15
3	6705055	6658846	6650427	2.04	1.34	1.21	54.01	53.63	54.75
4	6637031	6729859	6637570	1.01	2.42	1.01	44.69	48.39	47.81
5	6674775	6717955	6715966	1.58	2.24	2.21	41.90	48.53	44.98
6	6602354	6613998	6706185	0.48	0.66	2.06	44.10	45.53	44.47
7	6717526	6641874	6639409	2.23	1.08	1.04	46.38	44.49	50.57
8	6660103	6686790	6717526	1.36	1.76	2.23	46.39	48.71	46.85
9	6679524	6690794	6709255	1.65	1.82	2.11	44.36	44.95	46.01
10	6711301	6674160	6639538	2.14	1.57	1.04	44.04	47.39	47.27
11	6649072	6674160	6619741	1.19	1.57	0.74	48.22	46.53	45.64
12	6710776	6674160	6710776	2.13	1.57	2.13	50.41	45.58	47.31
13	6695969	6647943	6691476	1.90	1.17	1.84	51.15	49.81	46.39
14	6653518	6662610	6671826	1.26	1.40	1.54	49.99	51.32	47.19
15	6696266	6648446	6654786	1.91	1.18	1.28	47.20	47.53	48.31
16	6685080	6680508	6645081	1.74	1.67	1.13	49.67	52.33	47.93
17	6700886	6674160	6639538	1.98	1.57	1.04	49.66	51.66	51.37
18	6680863	6710776	6688471	1.67	2.13	1.79	49.99	47.33	56.04
19	6700886	6626229	6688471	1.98	0.84	1.79	52.20	50.69	52.12
20	6631459	6648446	6680008	0.92	1.18	1.66	50.39	47.58	49.14

CPLEX Statistics:

Objective Value: 6,570,877

Duality Gap: 0.07%

Time (sec.): 1922.28