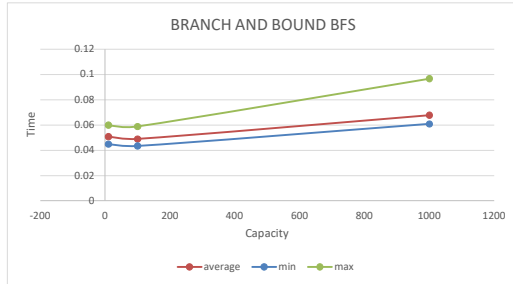


BRANCH AND BOUND BFS

Time			
min	max	average	capacity
0.044883728	0.059837818	0.050863886	10
0.043397427	0.058836937	0.048945999	100
0.060836077	0.096767664	0.067781401	1000

nb item
1000

memory usage		
min	max	average
0.005072	0.012335	0.0067311
0.005072	0.009642	0.0059751
0.005072	0.008634	0.0058711

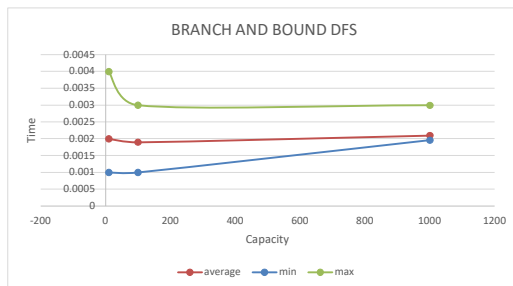


BRANCH AND BOUND DFS

Time			
min	max	average	capacity
0.000996351	0.003991127	0.001994443	10
0.00099659	0.002994776	0.001895046	100
0.001953125	0.002991915	0.002094507	1000

nb item
1000

memory usage		
min	max	average
0.002424	0.002424	0.002424
0.002424	0.002424	0.002424
0.002424	0.002424	0.002424

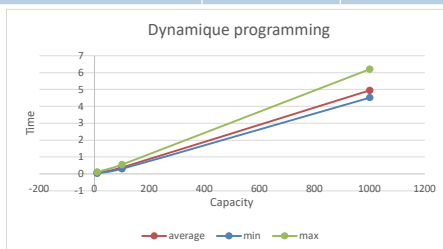


Dynamic Programming

Time			
min	max	average	capacity
0.040890694	0.112704515	0.060090613	10
0.301818371	0.556623459	0.39198277	100
4.517282963	6.205485821	4.947121572	1000

nb item
1000

memory usage		
min	max	average
0.004424	0.005319	0.004745
0.004995	0.007294	0.0056738
0.005198	0.005618	0.0054536

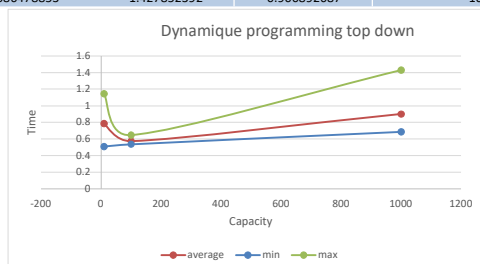


Dynamic Programming TOP DOWN

Time			
min	max	average	capacity
0.509230375	1.144943953	0.786012554	10
0.537594795	0.646872997	0.575750303	100
0.686478853	1.427852392	0.900892687	1000

nb item
1000

memory usage		
min	max	average
1.08116	1.19092	1.1799206
1.78894	1.814362	1.8117458
1.909614	1.934931	1.9322691

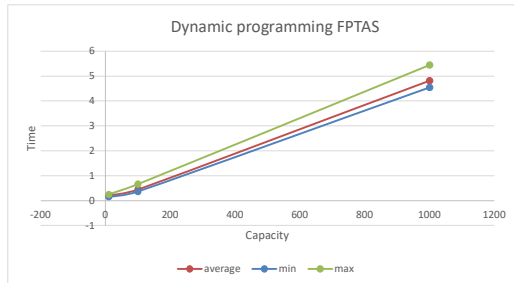


Dynamic Programming FPTAS

Time			capacity
min	max	average	
0.153968096	0.249375343	0.200872135	10
0.363996506	0.664945602	0.447573948	100
4.547572374	5.443911552	4.817906713	1000

nb item
1000

memory usage		
min	max	average
0.007228	0.013564	0.0084658
0.007822	0.011638	0.0082607
0.007879	0.011757	0.0084209

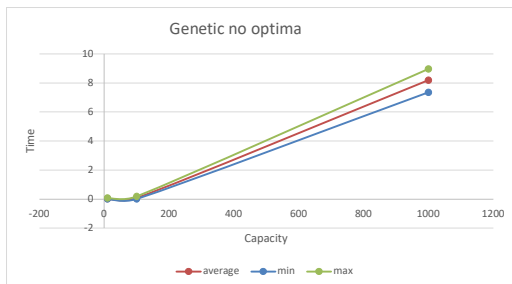


Genetic No optima

Time			capacity
min	max	average	
0.008974314	0.081758499	0.026781416	10
0.01	0.187499046	0.068376169	100
7.352202892	8.962793589	8.18460834	1000

nb item
1000

memory usage		
min	max	average
4.58E-03	0.010295	5.06E-03
0.004576	0.007985	0.00540888
5.40E-03	0.005766	5.59E-03

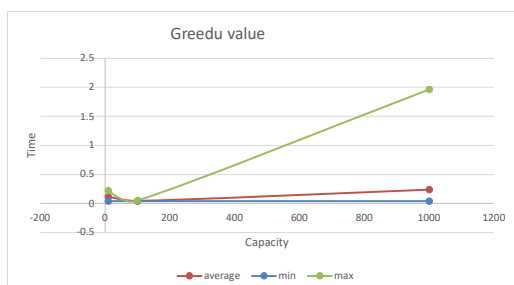


Greedy value

Time			capacity
min	max	average	
0.03789854	0.218886614	0.1160079	10
0.040887833	0.048872709	0.043483734	100
0.03789711	1.964513779	0.238193846	1000

nb item
1000

memory usage		
min	max	average
0.002608	0.006385	0.0035554
0.002672	0.00729	0.0035727
0.002672	0.051813	0.0132817



Greedy weight

Time

memory usage

min	max	average	capacity
0.067992449	0.194053173	0.128005767	10
0.037897587	0.048873663	0.041206026	100
0.037906647	0.042892218	0.040753055	1000

nb item
1000

min	max	average
0.002672	0.006747	0.003757
0.002672	0.005102	0.0032612
0.002672	0.007749	0.0037242

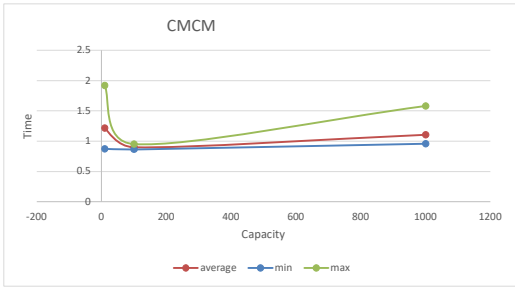


RANDOM CMCM

Time			
min	max	average	capacity
0.874679327	1.919965982	1.217525029	10
0.865711451	0.952108622	0.900152302	100
0.959111452	1.580878973	1.105352926	1000

nb item
1000

memory usage		
min	max	average
0.000594	0.000712	0.0006203
0.000591	0.000712	0.0006555
0.000567	0.00074	0.0006682



COMPARISON ALGORITHM / TIME

algo	average
Branch & bound bfs	0.067781401
Branch & bound dfs	0.002094507
dynamic programming	4.947121572
dynamic top down	0.900892687
dynamic FPTAS	4.817906713
Greedy value	0.238193846
Greedy weight	0.040753055
CMCM	1.105352926

