

| n_items | budget | algorithm     | avg_time_s | avg_memo | avg_value |
|---------|--------|---------------|------------|----------|-----------|
| 10      | 50     | BruteForce    | 0.00838    | 228.8    | 29        |
| 10      | 50     | DP_TopDown    | 0.00082    | 11492.8  | 29        |
| 10      | 50     | Greedy_Random | 5.01E-05   | 443.2    | 29        |
| 10      | 100    | BruteForce    | 0.009808   | 288      | 35        |
| 10      | 100    | DP_TopDown    | 0.001226   | 19638.4  | 35        |
| 10      | 100    | Greedy_Random | 2.92E-05   | 443.2    | 35        |
| 10      | 200    | BruteForce    | 0.008948   | 288      | 47        |
| 10      | 200    | DP_TopDown    | 0.001596   | 40068.8  | 47        |
| 10      | 200    | Greedy_Random | 2.17E-05   | 443.2    | 47        |
| 10      | 500    | BruteForce    | 0.011451   | 416      | 51        |
| 10      | 500    | DP_TopDown    | 0.00447    | 44852.8  | 51        |
| 10      | 500    | Greedy_Random | 5.77E-05   | 443.2    | 51        |
| 20      | 50     | BruteForce    | 4.257696   | 288      | 35        |
| 20      | 50     | DP_TopDown    | 0.002024   | 36072    | 35        |
| 20      | 50     | Greedy_Random | 2.48E-05   | 571.2    | 35        |
| 20      | 100    | BruteForce    | 7.463156   | 416      | 51        |
| 20      | 100    | DP_TopDown    | 0.003034   | 71902.4  | 51        |
| 20      | 100    | Greedy_Random | 2.10E-05   | 523.2    | 50        |
| 20      | 200    | BruteForce    | 17.72487   | 416      | 79        |
| 20      | 200    | DP_TopDown    | 0.007315   | 200016   | 79        |
| 20      | 200    | Greedy_Random | 1.69E-05   | 523.2    | 77        |
| 20      | 500    | BruteForce    | 20.19654   | 576      | 105       |
| 20      | 500    | DP_TopDown    | 0.012678   | 402003.2 | 105       |
| 20      | 500    | Greedy_Random | 3.89E-05   | 547.2    | 105       |
| 50      | 50     | DP_TopDown    | 0.006826   | 159392   | 58        |
| 50      | 50     | Greedy_Random | 3.40E-05   | 892.8    | 58        |
| 50      | 100    | DP_TopDown    | 0.013785   | 346625.6 | 86        |
| 50      | 100    | Greedy_Random | 2.90E-05   | 748.8    | 86        |
| 50      | 200    | DP_TopDown    | 0.033359   | 767160   | 122       |
| 50      | 200    | Greedy_Random | 3.65E-05   | 955.2    | 122       |
| 50      | 500    | DP_TopDown    | 0.092278   | 1845466  | 200       |
| 50      | 500    | Greedy_Random | 7.62E-05   | 836.8    | 199       |
| 100     | 50     | DP_TopDown    | 0.028266   | 351427.2 | 75        |
| 100     | 50     | Greedy_Random | 5.20E-05   | 1388.8   | 75        |
| 100     | 100    | DP_TopDown    | 0.04662    | 785900.8 | 110       |
| 100     | 100    | Greedy_Random | 5.27E-05   | 1158.4   | 110       |
| 100     | 200    | DP_TopDown    | 0.102704   | 1611250  | 153       |
| 100     | 200    | Greedy_Random | 5.33E-05   | 1158.4   | 153       |
| 100     | 500    | DP_TopDown    | 0.298741   | 6780154  | 243       |
| 100     | 500    | Greedy_Random | 0.000143   | 1310.4   | 242       |