Evolutionary Computation Theory and Application Assessment I - Knapsack

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1 Hyper parameters

 $\begin{array}{ll} \text{Population size} & 20 \\ \text{Generation} & 50 \\ \text{Mutation rate} & 0.04 \& 0.06 \end{array}$

2 Solution

Total Value 595 Total Weight 369

Items map, water, banana, cheese,

camera, trousers, umbrella, waterproof trousers, waterproof overclothes, note-case,

towel

3 Fitness of each iteration

The following plot shows the maximum fitness (out of 50 runs) each generation with mutation rates 0.04.

