Dynamic Algorithms

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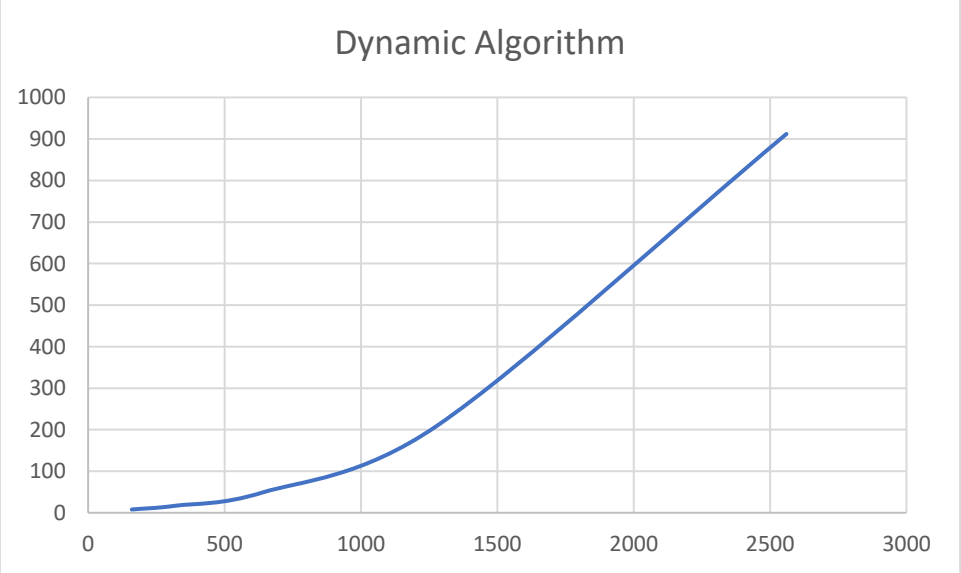
B) Do you think the algorithm makes the optimal theft for any assortment of jewelry (n, w, v and k)?

In this case (not being able to section jewels) it would return the optimal result for any assortment of jewelry.

D) The complexity of the algorithm is quadratic O(n^2).

Results obtained:

Size	Time
160	8
320	17
640	49
1280	210
2560	912
5120	3457



The times obtained and the graphical representation seem to agree with the theoretical complexity O(n^2).