

EDITORIAL

Spoj - Piggy Bank

[Problem Link](#)

Prerequisite - DP

Explanation - This is a simple modification of the [Unbounded Knapsack Problem](#). We identify the subproblem first. Suppose we find out the solution till index i . Then our subproblem would be the solution of the remaining numbers with the remaining price. Our DP equation would be

$$DP(\text{remaining wt}) = \min(DP(\text{remaining wt} - \text{weight}[i] + \text{price}[i])) \text{ for } i = 0:n$$

For more understanding refer code.

Author's Code - [coded by enigma27](#)