Homework 8

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- 1. 9.1 HW (Knapsack decision problem NP-complete)
 - (a) Input: value parameter M > 0, list of values $[v_1, ..., v_n]$, list of weights $[w_1, ... w_n]$, weight limit W.

Question: is there a subset $S \subseteq \{1,...,n\}$ s.t. $\sum_{k \in S} v_k \ge M$ and $\sum_{k \in S} w_k \le W$.