

Subset Sum Problem

Given a set of non-negative integers, and a value sum, determine if there is a subset of the given set with sum equal to given sum.

Example:

Input: `set[] = {3, 34, 4, 12, 5, 2}`, `sum = 9`

Output: True

There is a subset (4, 5) with sum 9.

Input: `set[] = {3, 34, 4, 12, 5, 2}`, `sum = 30`

Output: False

There is no subset that add up to 30.