

Sum of M is N

You are given a 1-dimensional array of values $a[]$. You must try to select M distinct elements from $a[]$ (i.e., without re-using any element, meaning, each element may be used at most once) to generate a specified sum N .

Can you generate a sum N using exactly M distinct elements from an array?

Write a function

```
int sumisn(int a[], int len, int m, int n)
```

where

$a[]$ is a 1-dimensional array of values

len is the number of elements in $a[]$

m is the number of elements from $a[]$ that you must use to compute the sum

n is the sum you are trying to generate

and returns 1 if $a[]$ has m distinct elements whose sum is n ,
otherwise returns 0.

and returns the minimum number of tokens it takes to return change due c
or -1 if change is not possible or if $len, c < 1$

File you must submit: `soln_func.cc`

Examples:

$a[] = \{1, 2, 3, 4\}$ $m=2$ $n=10$

Returns: 0

Explanation: No sum of 2 distinct elements is 10.

$a[] = \{1, 2, 3, 4\}$ $m=4$ $n=10$

Returns: 1

Explanation: $1 + 2 + 3 + 4 = 10$

$a[] = \{1\}$ $m=1$ $n=1$

Returns: 1

Explanation: 1

$a[] = \{1\}$ $m=4$ $n=1$

Returns: 0

Explanation: $a[]$ does not have 4 elements.

$a[] = \{-1, 0, -2, 5, 1, 6, 2\}$ $m=4$ $n=0$

Returns: 1

Explanation: $-1 + -2 + 1 + 2 = 0$

$a[] = \{1, 2, 3, 4\}$ $m=2$ $n=8$

Returns: 0

Explanation: No sum of 2 distinct elements is 8.

$a[] = \{1, 2, 3, 4\}$ $m=3$ $n=8$

Returns: 1

Explanation: $1 + 3 + 4 = 8$.