Number of Dice Rolls With Target Sum

You have n dice and each die has k faces numbered from 1 to k.

Given three integers n, k, and target, return the number of possible ways (out of the kn total ways) to roll the dice so the sum of the face-up numbers equals target. Since the answer may be too large, return it modulo 109 + 7.

Example 1:

Input: n = 1, k = 6, target = 3

Output: 1

Explanation: You throw one die

with 6 faces.

There is only one way to get a sum of 3.

Example 2:

Input: n = 2, k = 6, target = 7

Output: 6

Explanation: You throw two dice,

each with 6 faces.

There are 6 ways to get a sum of 7: 1+6, 2+5, 3+4, 4+3, 5+2, 6+1.

Example 3:

Input: n = 30, k = 30, target =

500

Output: 222616187

Explanation: The answer must

be returned modulo 109 + 7.

Constraints:

$$N=2$$
 $K=6$ taxget=7

We have to find which two dice give us sum 7 and return the count

Similarly others