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:**

* 1 <= n, k <= 30
* 1 <= target <= 1000