

Level -9223372036854775807

1 second, 64 megabytes



You are stuck in a backroom. You want to climb a staircase with n steps. You can either take one step to the next stair or skip stair for k cases. Find the number of possible ways to go up the stairs.

input: $n, k; 1 < n < 1e18, 1 \leq k \leq 9$

output: only one value all possible way to go up a stair modded by $1e9+7$

Input	Output
1234 1	830316712
9999999999999999 9	662065274

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