Problem J. Melborp Lacissalc

Input file:	*standard input*
Output file:	*standard output*
Time limit:	2 seconds
Memory limit:	256 mebibytes

Grammy has a favorite number k. She thinks that all the numbers divisible by k are good.

For each array containing only numbers from 0 to $k - 1$, Grammy defines its *goodness* as the number of non-empty consecutive subarrays that sum to a good number.

Please count the number of arrays of length n such that their goodness is t. Since the answer can be enormous, output the answer modulo $998\,244\,353$.

Input

A single line contains three integers n, k, t ($1 \le n, k \le 64$, $0 \le t \le \frac{n(n+1)}{2}$).

Output

Output a single integer denoting the answer modulo $998\,244\,353$.

Examples

standard input	standard output
2 5 1	12
7 10 15	2016
46 50 171	645560469