

Problem A. Ascending Matrix

Input file: *standard input*
Output file: *standard output*
Time limit: 2 seconds
Memory limit: 1024 mebibytes

You are given integers N, M, K, R, C , and V . Find the number of N by M integer matrices $a = (a_{i,j})$ that satisfy all of the following conditions, modulo 998244353.

- $1 \leq a_{i,j} \leq K$ for all $1 \leq i \leq N, 1 \leq j \leq M$.
- $a_{i,j} \leq a_{i,j+1}$ for all $1 \leq i \leq N, 1 \leq j \leq M-1$.
- $a_{i,j} \leq a_{i+1,j}$ for all $1 \leq i \leq N-1, 1 \leq j \leq M$.
- $a_{R,C} = V$.

Input

The first line contains integers N, M ($1 \leq N, M \leq 200$), K ($1 \leq K \leq 100$), R ($1 \leq R \leq N$), C ($1 \leq C \leq M$), and V ($1 \leq V \leq K$).

Output

Print the answer.

Examples

standard input	standard output
2 2 2 1 1 1	5
2 2 2 1 2 1	3
4 5 6 2 3 4	3700125
200 100 100 70 60 30	546626227