

Problem Menu

Back

Statement

Submissions

>

Your score

not attempted

Spoilers

 Show difficulty Show tags

solved by 8 / 9

graph: bipartite

math: combinatorics

Top users by time

#	User	Time
1	AhmadRomy	12 ms
2	soltice	13 ms
3	takeonicky	14 ms
4	hectic	15 ms
5	Arman10	16 ms

Top users by memory

#	User	Memory
1	takeonicky	776 KB
2	Raphela	776 KB
3	hectic	776 KB
4	ftri	1248 KB
5	Arman10	1284 KB

Arkavidia 9.0 - Penyisihan CP > L

Submission #3513477

Arkavidia 9.0 - Penyisihan CP / L. Lagi Lagi Kombin

Accepted • AhmadRomy • C++20 • April 19, 2025 at 22:23:18

▶ Sample Test Data Results



▶ Test Data Results



```

1 #include <bits/stdc++.h>
2 using namespace std;
3
4 #define rep(i, a, b) for(int i = a; i < (b); ++i)
5 #define peri(i, a, b) for(int i = a; i > (b); --i)
6 #define ar array
7 #define sz(x) (int) (x).size()
8 #define pii pair<int,int>
9 #define fi first
10 #define se second
11 typedef long long ll;
12 typedef pair<ll,ll> pll;
13 typedef pair<double,double> pdd;
14 typedef pair<double,int> pdi;
15 typedef vector<int> vi;
16 #define all(x) (x).begin(), (x).end()
17
18 template<typename T>
19 void min_self(T& A, T B) {
20     A = min(A,B);
21 }
22 template<typename T>
23 void max_self(T& A, T B) {
24     A = max(A,B);
25 }
26
27 const int mxn=1e6;
28 const ll mod = 998244353;
29 int n,m;
30
31 ll fastexpo(ll a, ll b, ll md=mod) {
32     ll ret=1;
33     while(b) {
34         if(b&1) {ret=(ret*a)%md;}
35         a = (a*a)%md;
36         b >>=1;
37     }
38     return ret;
39 }
40
41 ll inv(ll a) {
42     return fastexpo(a, mod-2);
43 }
44
45 void solve() {
46     cin >>n >>m;
47     vector<ll> r(n), b(m);
48     rep(i,0,n) {
49         cin >>r[i];
50     }
51     rep(i,0,m) {
52         cin >>b[i];
53     }
54     ll sr=0, sb=0;
55     rep(i,0,n) {
56         sr = (sr + r[i])%mod;
57     }
58     sr = sr*m%mod;
59     rep(i,0,m) {
60         sb = (sb + b[i])%mod;
61     }
62     sb = sb*n%mod;
63     ll sm = (sr+sb)%mod;
64     ll ct = fastexpo(n,m-1)*fastexpo(m,n-1)%mod;
65     sm = sm*ct%mod;
66     sm = sm*(n+m-1)%mod;
67     sm = sm*inv(n)%mod;
68     sm = sm*inv(m)%mod;
69     cout <<sm <<"\n";
70 }
71
72 int main() {
73     ios_base::sync_with_stdio(false);
74     cin.tie(0);
75     cout.tie(0);
76     solve();
77 }

```