for(int i = 0; i <= n; ++ i)dp[i][0] = 1;

for(int j = 0; j <= m; ++ j)dp[0][j] = 1;

int ans = 0;

for(int i = 1; i <= n; i++)

for(int j = 1; j <= m; j++)

{

dp[i][j] = (dp[i-1][j] + dp[i][j]) % mod;

dp[i][j] = (dp[i][j-1] + dp[i][j]) % mod;

dp[i][j] = (dp[i][j] - dp[i-1][j-1] + mod) % mod;

if(a[i] == b[j])

dp[i][j] = (dp[i][j] + dp[i-1][j-1] + 1) % mod;

}