Problem Link:

<https://codeforces.com/problemset/problem/467/B>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** n, m, k;
* cin >> n >> m >> k;
* **vector<int>** v(m + 1);
* **for**(**int** i = 0; i <= m; ++i)
* {
* cin >> v[i];
* }
* **int** fedor = v[m];
* **int** friends = 0;
* **for**(**int** i = 0; i < m; ++i)
* {
* **if**(\_\_builtin\_popcount(v[i] ^ fedor) <= k)
* {
* ++friends;
* }
* }
* cout << friends << **"\n"**;
* **return** 0;
* }