Problem Link:

<https://codeforces.com/problemset/problem/1363/A>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--) {
* **int** n, x;
* cin >> n >> x;
* **vector<int>** v(n);
* **for**(**int** i = 0; i < n; ++i)
* cin >> v[i];
* **int** oc = 0, ec = 0;
* **for**(**int** i = 0; i < n; ++i)
* {
* **if**(v[i] % 2 == 1)
* oc++;
* **else**
* ec++;
* }
* **bool** f = **false**;
* **for**(**int** o = 1; o <= x && o <= oc; o += 2)
* {
* **int** e = x - o;
* **if**(e >= 0 && e <= ec)
* {
* f = **true**;
* **break**;
* }
* }
* cout << (f ? **"Yes"** : **"No"**) << **"\n"**;
* }
* **return** 0;
* }