

Language: C++

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```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5 vector<int> dynamicArray(int n, vector<vector<int>> queries) {
6     vector<vector<int>> arr(n);
7     vector<int> result;
8     int lastAnswer = 0;
9
10    for (const auto& query : queries) {
11        int type = query[0];
12        int x = query[1];
13        int y = query[2];
14
15        int idx = (x ^ lastAnswer) % n;
16
17        if (type == 1) {
18            arr[idx].push_back(y);
19        } else if (type == 2) {
20            lastAnswer = arr[idx][y % arr[idx].size()];
21            result.push_back(lastAnswer);
22        }
23    }
24
25    return result;
26 }
27
28 int main() {
29     ofstream fout(getenv("OUTPUT_PATH"));
30
31     int n, q;
32     cin >> n >> q;
33
34     vector<vector<int>> queries(q, vector<int>(3));
35     for (int i = 0; i < q; i++) {
36         cin >> queries[i][0] >> queries[i][1] >> queries[i][2];
37     }
38
39     vector<int> result = dynamicArray(n, queries);
40
41     for (size_t i = 0; i < result.size(); i++) {
42         fout << result[i] << "\n";
43     }
44
45     fout.close();
46
47     return 0;
48 }
```