

Submission

ID	DATE	PROBLEM	STATUS	CPU	LANG
	TEST CASES				
8200058	03:21:48	Bachet's Game	✓ Accepted	0.40 s	C++
	✓✓				

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FILENAME	FILESIZE	SHA-1 SUM	
bachetsgame.cpp	624 bytes	b5e5d828e167d3af08e20afa92fe6390561fead2	download

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bachetsgame.cpp

```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5 #define INF 9999999
6
7 int main() {
8
9     string s;
10     while (true) {
11         Help    getline(cin, s);
12
13         if (s.empty())
```

```

14         break;
15
16     stringstream in(s);
17     int n, m;
18
19     in >> n >> m;
20
21     vector<int> a(n + 1, 0), b(m);
22     for (int i = 0; i < m; i++)
23         in >> b[i];
24     for (int i = 1; i <= n; i++) {
25         int c = 0;
26         for (int j = 0; j < m; j++)
27             if (i >= b[j]) c |= (1 << a[i - b[j]]);
28         for (int j = 0; j <= m; j++) {
29             if ((c & (1 << j)) == 0) {
30                 a[i] = j;
31                 break;
32             }
33         }
34     }
35     cout << (a[n] ? "Stan wins\n" : "Ollie wins\n");
36
37 }
38 }

```