



```
else return 1;
```

Another valid program for the first test case:

```
if (b[0] == 1) return 1;
else return 0;
```

A valid program for the second test case:

```
if (b[1] == 1) return 1;
else if (b[0] == 0) return 0;
else return 1;
```

Clearly, there is no valid program corresponding to the third test case, because Elsie's program must always produce the same output for the same input.

It may be shown that there is no valid program corresponding to the last test case.

**SCORING:**

- Inputs 2 and 3 have  $N = 2$ .
- Inputs 4 and 5 have  $M = 2$ .
- Inputs 6 through 12 have no additional constraints.

Problem credits: Benjamin Qi

**Language:**▼**Source File:** 선택된 파일 없음