

6.

=====Input=====

```
10 (The number of the points)
10 (The number of the vertices of the polygon)
7 11 (Points' coordinates)
10 14
11 4
12 21
16 3
16 10
17 4
18 7
18 17
20 7
4 3 (Vertices' coordinates)
2 6
3 12
2 17
5 20
9 21
14 19
20 14
18 3
11 7
```

=====Output=====

```
7 11 Inside
10 14 Inside
11 4 Outside
12 21 Outside
16 3 Outside
16 10 Inside
17 4 Inside
18 7 Inside
18 17 Outside
20 7 Outside
```