

Fruit Farm

We visited a farm, which was barren except for certain points in which fruit trees existed. In general it was true that only places with palindromic indices contained fruit trees. We are required to buy a subregion of this farm of length at most L so that our aims (in the given priority) are satisfied best.

1. Maximize the amount of fruit trees present in it.
2. Minimize the size (length) of the farm bought.
3. Select the farm whose beginning is leftmost.

Input

The 1st line contains the number of test cases, $T \leq 20$, each test case:

A B L

where $[A, B]$ is the closed interval of land which we visited.

Output

S E

where $[S, E]$ is the closed interval of land which we buy.

If there is no fruit-tree in the visited interval, print "Barren Land."

Constraints:

$1 \leq A \leq B \leq 1000$

Example

Input:

```
6
1 10 5
800 1000 5
80 120 5
30 60 12
12 18 40
23 30 10
```

Output:

```
1 5
808 808
99 101
33 44
Barren Land.
Barren Land.
```