Dinosaurs Football | CodeChef

Dinosaurs Football Problem Code: MXCH ✔ Submit

Chef Ada is the FootBall coach of the Dinosaurs Institute of Technology.

There are N dinosaurs (enumerated 1 through N) placed in a line. The i-th dinosaur has a height of i meters.

Ada is training The dinosaurs in the following tactic:

- Initially the leftmost dinosaur has the ball.
- The dinosaur that has the ball passes the ball to the nearest dinosaur to the right that is tallest than him.
- The previous step continues until the ball reaches the tallest dinosaur, then he throws the ball and scores a goal!

Help Ada reordering the dinosaurs in such a way that the ball is passed from dinosaur to dinosaur exactly K times.

For example, if there are 5 dinosaurs ordered as $[2,3,1,5,4]$, then the ball goes $2{\to}3{\to}5{\to}goal$, and the ball was passed two times.

Input:

- First line will contain T, number of testcases.
- Each test case consist of a line with two space separated integers N,K.

Output:

For each testcase, output in a single line conaining N integers representing one possible ordering in which the dinosaurs can be placed.

Constraints

- $1{\le}T{\le}28$
- $2{\le}N{\le}20$
- $0{\le}K{\le}N{-}1$

Sample Input:

```
1
5 2
```

Sample Output:

2 3 1 5 4