Problem K: Ducks at Peril!

A number N of ducks swim in a circle on a pond, and the resident alligator decides to eat a duck at a regular interval M, i. e., every Mth duck that swims by. After any duck has been eaten, the remaining flustered ducks close the circle and reverse the direction in which they swim. The 'gator again eats the Mth duck that swims by. This is repeated until the hungry reptile has eaten all the ducks.

Your task is to write a program which will read in the number of ducks N and the eating interval M, then list the ducks and the time when each was eaten. N and M will appear on the same input line and will be non-negative. This process must be repeated until an input value of N = 0 is found. The input file name is "**k.in**".

Note that the ducks must be numbered on the output list in the order they were originally swimming. Separate the output from consecutive input data cases by two blank lines.

Sample Input:

```
8 4
4 2
0 0
```

Corresponding Output:

```
Duck 1 eaten at time 8
Duck 2 eaten at time 7
Duck 3 eaten at time 6
Duck 4 eaten at time 1
Duck 5 eaten at time 3
Duck 6 eaten at time 5
Duck 7 eaten at time 4
Duck 8 eaten at time 2


Duck 1 eaten at time 4
Duck 2 eaten at time 1
Duck 3 eaten at time 3
Duck 4 eaten at time 2
```