887. Super Egg Drop

Description

You are given `k` identical eggs and you have access to a building with `n` floors labeled from `1` to `n`.

You know that there exists a floor `f` where `0 <= f <= n` such that any egg dropped at a floor **higher** than `f` will **break**, and any egg dropped **at or below** floor `f` will **not break**.

Each move, you may take an unbroken egg and drop it from any floor `x` (where `1 <= x <= n`). If the egg breaks, you can no longer use it. However, if the egg does not break, you may **reuse** it in future moves.

Return *the* ***minimum number of moves*** *that you need to determine* ***with certainty*** *what the value of* `f` is.

Example 1:

```
Input: k = 1, n = 2
Output: 2
Explanation:
Drop the egg from floor 1. If it breaks, we know that f = 0.
Otherwise, drop the egg from floor 2. If it breaks, we know that f = 1.
If it does not break, then we know f = 2.
Hence, we need at minimum 2 moves to determine with certainty what the value of f is.
```

Example 2:

```
Input: k = 2, n = 6
Output: 3
```

Example 3:

```
Input: k = 3, n = 14
Output: 4
```

Constraints:

- `1 <= k <= 100`
- `1 <= n <= 10^4`