2802. Find The K-th Lucky Number

Description

We know that 4 and 7 are **lucky** digits. Also, a number is called **lucky** if it contains **only** lucky digits.

You are given an integer k , return *the* k^{th} *lucky number represented as a* ***string*** .

Example 1:

```
Input:  k = 4
Output: "47"
Explanation: The first lucky number is 4, the second one is 7, the third one is 44 and the fourth one is 47.
```

Example 2:

```
Input:  k = 10
Output: "477"
Explanation: Here are lucky numbers sorted in increasing order:
4, 7, 44, 47, 74, 77, 444, 447, 474, 477. So the 10 th lucky number is 477.
```

Example 3:

```
Input:  k = 1000
Output: "777747447"
Explanation: It can be shown that the 1000 th lucky number is 777747447.
```

Constraints:

- $1 <= k <= 10^9$