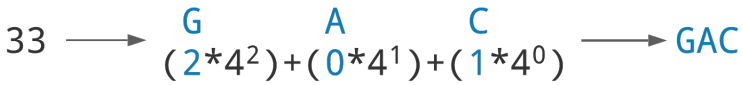
1M Implement NumberToPattern

NumberToPattern Problem
Convert a number to its corresponding DNA string.

Input: Integers *index* and *k*.
Output: NUMBERTOPATTERN(*index*, *k*).



Formatting

Input: Space-separated integers *index* and *k*.
Output: A string representing the output of *NumberToPattern*(*index*, *k*).

Constraints

- The integer *index* will be between 1 and 10^4.
- The integer *k* will be between 1 and 10^1.

Test Cases

Case 1

Description: The sample dataset is not actually run on your code.

Input:
```
45 4
```

Output:
```
AGTC
```

Case 2

Description: *k* is small.

Input:
```
1 8
```

Output:
```
G
```

Case 3

Description: *k* codes for an empty string

Input:
```
0 0
```

Output:

Case 4

Description: *k* is large.

Input: Space-separated integers *k* and *d* followed by a space-separated list of paired *k*-mer strings *PairedReads* where individual *k*-mers within the pair are separated by a "|" character.
Input:
```
60 4
```

Output:
```
ATTA
```

Case 5

Description: A larger dataset of the same size as that provided by the randomized autograder. Check input/output folders for this dataset.