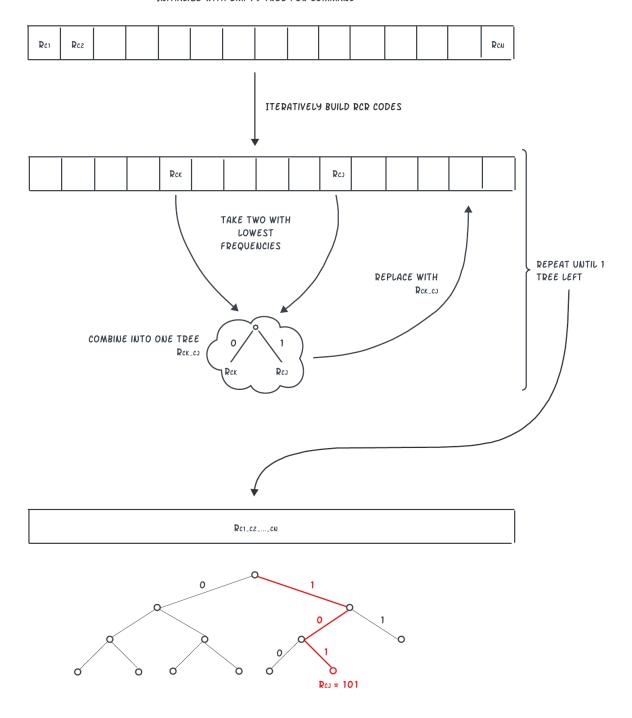
Robotic Code Representation

Our research lab has designed a robot that can execute various commands, e.g. LEFT, DOWN, GRAB, UP, RIGHT, DROP. Unfortunately, the commands need to be represented as strings composed of zeros and ones (so called Robotic Command Representation - RCR).

The robot is imperfect yet and processes long RCRs quite slowly. We would like to generate short RCRs for commands that are used frequently (we have a log of all commands that have ever been issued).

Our algorithmic team has sketched an algorithm for creating the RCRs:



Example

For example, for the given log of commands: LEFT, GRAB, LEFT, BACK, LEFT the generated RCRs would be:

- 00 **for** GRAB
- 01 **for** BACK
- 1 for LEFT

Task

Implement a python class RoboticCodeRepresentationGenerator with:

• a constructor with the following signature

```
def __init__(self, issued_commands: List[str])
```

where issued commands is the log of all commands ever issued,

• a method that calculates rcr for the given command:

```
def get rcr(self, command: str) -> str
```

Please do not use any third party dependencies. You are of course free to use anything you need from the python standard library or implement any auxiliary methods or classes.