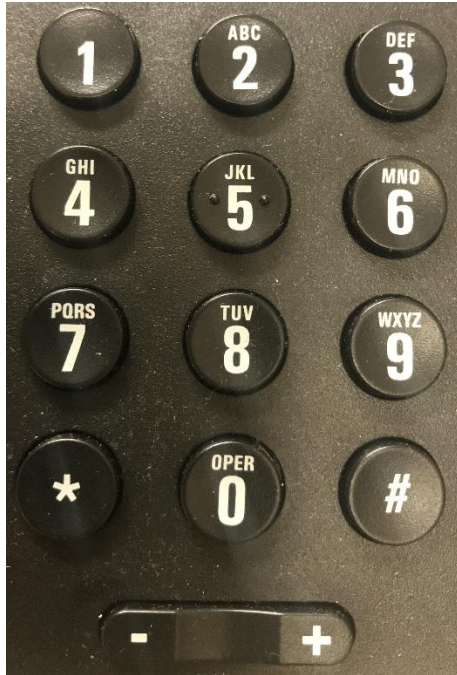


Phone Puzzle



Create a function that takes a string of integers, and outputs all possible combinations of predefined values for the input string.

The predefined values for each integer can be referenced from the picture of telephone buttons on the left:

1 corresponds to value "1"

2 corresponds to value "a" or "b" or "c"

3 corresponds to value "d" or "e" or "f"

.....

9 corresponds to value "w" or "x" or "y" or "z"

0 corresponds to value "0"

Input "23"

Output:

```
cs Microsoft Visual Studio Debug Console
ad
ae
af
bd
be
bf
cd
ce
cf
```

Input "1790"

Output:

```
cs Microsoft Visual Studio Debug Console
1pw0
1px0
1py0
1pz0
1qw0
1qx0
1qy0
1qz0
1rw0
1rx0
1ry0
1rz0
1sw0
1sx0
1sy0
1sz0
```