Zoom Operation

Zoom Operation:

1

+

2

+ ?
-
- ? + #
#
+
?
- # + ? -

3

+ ?
-
- ? + #
#
+
?
- # + ? - #
+
?
-
#
+
- ? + # - ?

4

```
+
? - #
    +
    ?
```

5

```
? +
-
# + ? -
        #
        +
        ?
- ? + # -
```

6

```
- # + ? -
?
+   + ?
#     -
- ? + #
```

7

```
+ ?
  -
```

9

```
# + ? -
-     #
? +   +
      ?
```

0

```
?
+   + ?
#     -
- ? + #
```

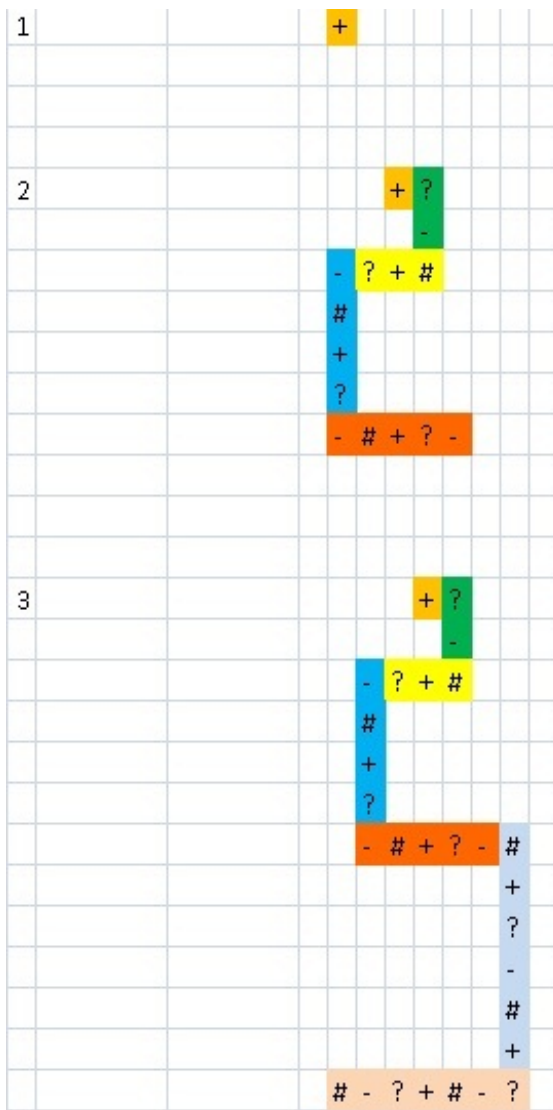Use only 4 symbols: + ? - #   (in circular order beginning with +)) to zoom the number given

Every segment of the number has one symbol more than the previous.(First Segment has a single symbol).

First symbol of evry segment starts in the same column/row where the previous segments' last symbol ends.

1st segment(orange color) -> 1 symbol   + (first symbol only)

2nd segment(green color) -> 2 symbols ? - (starts with 2nd symbol as 1st segment uses sinlge element)

3rd segment(yellow color) -> 3 symbols # + ? (starts with 4th symbol as 3 symbols have been used by 1st & 2nd seg)

Colors are shown for better understanding.See Picture for more clarification.

Input:

Given a number you have to apply Zoom operation and print it.

Output:

Print the Pattern after Zoom Operation.

Example:

Input:

1

Output:

+

Input:

2

Output:

```
  +?
   -
-?+#
#
+
?
-#+?-
```

Input:

3

Output:

```
   +?
    -
  -?+#
  #
  +
  ?
  -#+?-#
        +
        ?
        -
        #
        +
#-?+#-?
```

Input:

4

Output:

```
+
?-#
  +
  ?
```

Input:

5

Output:

```
  ?+
  -
  #+?-
      #
      +
      ?
  -?+#-
```

For any clarification,refer to the picture above.

Try classical at -> http://www.spoj.com/problems/ZOOMOP2/