## Ex:

Write a Matlab ${ }^{\circledR}$ function called fiddle that accepts as an argument a vertical, onecolumn array called vwave and does the following:
i) Replaces each value greater than 3 with the value 4 .
ii) Replaces values that round off to 0 with 1 .
iii) Replaces values that round off to 1 with -1 .
iv) Replaces every second value that rounds off to 2 with 0 .
v) Otherwise sets the value to -3 .
vi) Returns the resulting array in a horizontal, one-row variable called yfid.

For example, fiddle( $[2.1 ; 0.1 ; 2.4 ; 3.1 ; 1.4 ; 0.5 ; 2.1 ; 3.2 ; 1.9]$ ) produces the following returned array:

```
ans =
```

| -3 | 1 | 0 | 4 | -1 | -1 | -3 | 4 | 0 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Sol'n:



