

The Algorithm used in code basically tells whether a given integer is a power of four or not.

Observation :- I have observed that every number which is a power of 2 and ends with either 4 or 6 is also a power of 4

Ex :- 4, 16, 64, 256, ... ; are all powers of 4.

Input - integer N

Output - True/False

Algorithm:

1. Start
2. Input :- integer N
3. If ((N is positive) and (N is power of 2) and (N ends with either 4 or 6))
4. return True
5. Otherwise,
6. return False
7. End