Problem Statement Suggest Edi

You are given two numbers 'x'(it's a float), and 'n'(it's a integer).

Your task is to calculate 'x' raised to power 'n', and return it.

The expected time complexity is 'O(logn)', and the expected space complexity is 'O(1)', where 'n' is the power to which the number should be raised.

$$2^{2} + = 2 \times 2 = 4$$

Bruk fore Approach:

X M

12 g < 2

x 2 3 × 3

(Xz 0)

T.c.: 0 (N)

S(. 0(1)

Ophnel Approach:

$$\frac{3}{3} = \frac{3 \times (3)}{3 \times (3)} = \frac{3 \times 3}{3} = \frac{3 \times 94}{3 \times 3} = \frac{3 \times 61}{3 \times 3} = \frac{3$$

$$(a \times a)^{2} (8)^{2} = (8$$

Pattern! Given Input X = Vol

m= pow (voised)

A & surrey

N2 positive

odd \Rightarrow ans \circ ans \times \times $1 = \frac{\pi - 1}{2}$

If the value of n 15 - negative, 1 2 - R X = TXN That The hun 1) (M(0) 2 /x 1 2 /omi 2 M else verum ans.