50. Pow(x, n)

Description

Implement pow(x, n), which calculates `x` raised to the power `n` (i.e., x^n).

Example 1:

```
Input: x = 2.00000, n = 10
Output: 1024.00000
```

Example 2:

```
Input: x = 2.10000, n = 3
Output: 9.26100
```

Example 3:

```
Input: x = 2.00000, n = -2
Output: 0.25000
Explanation: 2^-2 = 1/2^2 = 1/4 = 0.25
```

Constraints:

- `-100.0 < x < 100.0`
- $-2^{31} <= n <= 2^{31}-1$
- `n` is an integer.
- Either `x` is not zero or `n > 0`.
- $-10^4 <= x^n <= 10^4$