Given two arrays **X** and **Y** of positive integers, find the number of pairs such that **$x^y > y^x$ (raised to power of)** where x is an element from X and y is an element from Y.

Example 1:

```
Input:
M = 3, X[] = [2 1 6]
N = 2, Y[] = [1 5]
Output: 3
Explanation:
The pairs which follow x^y > y^x are
as such: 2^1 > 1^2,  2^5 > 5^2 and 6^1 > 1^6 .
```

Example 2:

```
Input:
M = 4, X[] = [2 3 4 5]
N = 3, Y[] = [1 2 3]
Output: 5
Explanation:
The pairs for the given input are
2^1 > 1^2 , 3^1 > 1^3 , 3^2 > 2^3 , 4^1 > 1^4 ,
5^1 > 1^5 .
```

Your Task:
This is a function problem. You only need to complete the function **countPairs()** that takes **X, Y, M, N** as **parameters** and returns the total number of pairs.

Expected Time Complexity: O((N + M)log(N)).
Expected Auxiliary Space: O(1).

Constraints:

$1 \leq M, N \leq 10^5$
$1 \leq X[i], Y[i] \leq 10^3$