Multiply Itings

This problem is requiring manual multiplication without connecting to integer (to handle large numbers).

Sy Idea:

Siede Lehod Multiplication:

1. Multiply cech oliget of nums by each oliget of num.

1. There intermediate sendly in an array product of serie M +11 (max possible length)

3. Handle earry while populating the array
4. Convert the array to string and remove leading Lers.

Itys:

1. Pererre iteration: multiply nums [i] + mumz [j].

2. Add product to product [i+j+17 (lowest position for that deget).
3. Carray handling:

product[itj+1] + = deget product product (itj I + = product (itj +1) (10)
product (itj +1) 1. = 10

4. This leading Zeros when converting to string

Complexity:

· Trine: O(mxn) - nested logs for multiple cation · Tpace: O(m+n) - for sexult assay.