## Multiply Itings

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

Ly Idea.

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Siede Lehod Multiplication:

1. Multiply each oligit of nums by each aliget of num.

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

3. Handle carry while populating the array
4. Convert the array to string and remove leading terms.

Itys:

1 Pererx iteration: multiply mums [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 1 + = product (itj +1) (10)
product (itj +1) 1. = 10

4. This localing Zeros when converting to string

Complexity:

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