

Product of Array Except Self

↳ Return another array & values will be product of all elements besides the element @ that index. — Cannot use divide operator.

[1, 2, 3, 4]
↳ [24, 12, 8, 6]

Brute force:

```
for i in (0, n): O(n)
    prod = 1
    for n in (0, n): O(n)
        prod *= n
    } — O(n2) time
```

Better Approach:

```
prod = 1
for i in n::-1:
    prod *= i
    right[i] = prod
for i in 0:n:
    prod = 1
    res[i] = prod * right[i]
```

t.n: O(N) space O(n)