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`f[0..100)` is an array of `int`, determine the largest value in the middle 40 elements of `f`.

1.

Construct a program to compute the product of the natural numbers from 12 to 98.

2.

Construct a program to count the number of single digit values in the array `f[0..N)` of `int`.

3.

Construct a program to count the vowels in an array `f[0..2000)` of `char`.