

# Debug

Date... 9/10/23

① → Debug the Code

~~if~~  $\text{low} < \text{high}$  & prime (ntd), -low  
prime [0] = p [0] = 0 → Added

for loop prime[i] = False

both are changed

② → Segmented Sieve

An loop → 2

for (i = low; i ≤ high; i++)

if (prime[i-2] == True) {  
    count++  
}

low

Print

⇒ Inner Loop

for (j = lower; j ≤ high; j = j+i) {  
    prime[j-low] = false;  
}

③ → IsPrime

if (n ≤ 1) return false

for (—) if (n % i == 0) return false  
return true

APCO

Teacher's Sign.....

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(4) →  
`int *ptr = 0;` → added zero / null ptr  
`int a = 5;` so, that don't point  
`ptr = &a;` to garbage  
`cout << *ptr << endl;` value

(5) →  
`*q = 6` → do this  
`int p = 5`  
`int const *q = &p;`  
~~`*q++`~~ `p++`  
`cout << *q;`  
a is const

(6) → Print 101 & 104

`int a = 100`  
`int *p = &a`  
`int **q = &p`

`b = ++(**q) + 4`

a → 101

b → 105

`b = ((*q)++) + 4`

a → 101

b → 104