

4/23/24, 8:05 PM OneNote K+ KX+K2(1) main () for ( = 1; i(=n; i++)

y

x=y+z;

(3) main()  $\begin{cases}
y = y + z; \\
y = y + z;
\end{cases}$   $\begin{cases}
x = y + z; \\
x = y + z;
\end{cases}$ 

0(n<sup>2</sup>)

y Ly

main ()

X+X+n2

(i) main()
$$\frac{1}{2} = 15$$
While ( $i < = n$ )
$$\frac{1}{2} = 15$$

$$\frac{1}{2} = 15$$

$$\frac{1}{2} = 15$$

$$\frac{1}{2} = 15$$

$$x = y + z$$

$$x = x + 1$$

$$y$$

$$y$$

$$y$$

main 1)
$$i=1$$
White (i <= 10)
$$i = i + 2;$$

$$i = i + 2;$$

main () main() よ= ューチン えっ ユー50う main () int i=1; While (i<=n)

Main()

$$i=15$$

White (i = n)

 $i=2 \times i5$ 
 $i=3 \times i5$ 

White (i>1)

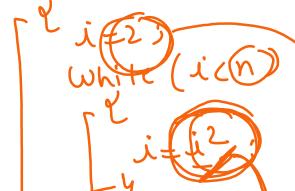
 $i=n5$ 

White (i>1)

 $i=n5$ 
 $i=1/25$ 
 $i=1/25$ 

9 9 2= 450

main ()



2 1

$$2^2 \rightarrow (2^8) \rightarrow 2^2$$

$$\frac{1}{4^2 \rightarrow (2^2)^2 \rightarrow 2^4 \rightarrow 2^2}$$

$$\frac{1}{16^2} \rightarrow (24)^2 \rightarrow 2^8 \rightarrow 2^2$$



i=i+2  $i=i\times2$   $i=i\times2$  |-2| |-2| |-2| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3| |-3|