$$\frac{2}{2}$$
15-2 $(n(n+1)) = n(n+1)$
 $\frac{2}{2}$ 15-1

$$n(n+1)-n$$

 n^2+n-n
 $=n^2$

$$2$$
)10 mbr $60p - n$
 $1 nnu 60p - n$
 $n \times n = n^2$
 $()Cn^2)$

(111)
$$\omega h_{1(2)} \log -\frac{1}{2}$$

$$i = n/2^{k} -\frac{1}{2} \ln -\frac{1}{2} \log h$$

$$eq(1), \forall val(2) -\frac{1}{2} O(1)$$

$$so O(\log n)$$

1V) Onto (20p-2n

1middle (20p-2n

1nner 600p-2n

N×N×N -2n³

O(n³)

 $V \cdot) 3 1649610ns - 2 n + n + n = 3n$ O(n) + O(n) + O(n) = O(n)

3.)