I - I NSERTION SORT (A)

2 - - for 
$$j = 2$$
 To A. compression Do

3 - - - Chave A [i]

4 - - - - Chave A [i]

5 - - - - While i 70 Re A [i] 7 chave

A [i+i] = A [i]

7 - - END while

9 - - - END FOR

1 2 3 4 5 6

1 2 3 4 5 6

1 2 3 4 5 6

1 2 3 4 5 6

1 2 3 4 5 6

1 2 3 4 5 6

1 2 3 4 5 6

1 2 3 4 5 6

1 2 3 4 5 6

1 2 3 4 5 6

1 3 0

1 4 7

$$\sum_{j=2}^{n} \frac{1}{j} = \frac{1}{2} + 3 + 4 + 5 + \dots + N$$

$$\sum_{j=2}^{n} \frac{1}{j} = \frac{1}{2} - \frac{1}{2}$$

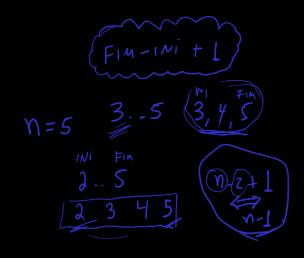
$$\sum_{j=2}^{n} \frac{1}{j} = \frac{1}{2} + \frac{1}{3} + \dots + N - 1$$

$$= \frac{1}{2} + \frac{1}{2} + \frac{1}{3} + \dots + N - 1$$

$$= \frac{1}{2} + \frac{1}{2} + \frac{1}{3} + \dots + N - 1$$

$$= \frac{1}{2} + \frac{1}{2} + \frac{1}{3} + \dots + N - 1$$

 $=\Theta(n^2)$ 



$$Cs\left(\sum_{j=2}^{r}t_{j}\right)$$

$$Cs\left(t_{z}+l_{3}+l_{4}+\cdots+l_{n}\right)$$

$$t_{2} \Gamma = 2$$

$$chave = 5$$

$$t_{3} \Pi = 3$$

$$t_{1} = \frac{1}{3}$$