```
01)
 void imprime(int *v, int n) {
      if (n != 0) \rightarrow \Theta_{(1)}
         cout << v[n-1] << " "; \Theta_{(1)}
     imprime (v, n-1); \chi_{(n-1)}
    Y(n) = Y(n-1) + O(1); Y(0) = C
    Y(n) = Y(n-1) + C
    Y(1) = Y(0) + C = C + C = 2C
    1(2) = Y(1) + C = 2C + C = 3C
    1(3) = 1(2) 4 C = 3C + C = TC
    1(n) = 1(n-1) + c = (n-1)c+c = nc-c+c=n.c
       : Yim & O(n)
void f1(int *array, int begin, int end) {
     if (begin >= end) \rightarrow \Theta(1)
          return;
     int mid = begin + (end - begin) / 2; \rightarrow \mathcal{O}(1)
     fl(array, begin, mid); \rightarrow \uparrow(\frac{1}{2})
     fl(array, mid + 1, end); \rightarrow \chi(\gamma_2)
     f2(array, begin, mid, end);
// Obs.: f2 tem complexidade linear
    Y(n) = 2 Y(n) + O(1) + O(n)
         = 2 + (p) + \Theta(n) + a + (p) + \Theta(n)
    · Usando o Keoruma mestre,
       a = 2
                     f_{(n)} = \mathcal{O}_{(n^{\kappa})} : \mathcal{O}_{(n)} \rightarrow \kappa = 1
       b = 2
         \therefore Q = Q^1 (Q^0 Cano)
          Dosimi Yini E n lg h
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NIOVZAPKRQS	
-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	
O 1 2 3 4 5 6 7 8 9 40 11 42	h <sub>(N)</sub> = 14 med 13 = 1
O 1 2 3 4 5 6 7 8 9 40 11 42	h <sub>(1)</sub> = 9 med 13 = 9
O 1 2 3 4 5 6 7 8 9 10 11 42	h <sub>10)</sub> = 15 mod 13 = 2
-1 N O -1 -3 -3 -1 -3 -1 I V -4 -1  O 1 2 3 4 5 6 7 8 9 40 34 42	h(n = 22 mod 13 = 9
Z N O -1 -1 -1 -1 -1 -1 I V -1 -1 C 1 2 3 4 5 6 7 8 9 40 11 42	h <sub>(2)</sub> = 46 mod 13 = 0
2 N O A -1 -1 -1 -1 I V -1 -1 O 1 2 3 4 5 6 7 8 9 40 31 42	h <sub>(A)</sub> = 1 mod 13 = 1
Z N O A P - J - 1 - 1 - 1 I V - 1 - 1 O 1 2 3 4 5 6 7 8 9 40 11 42	h(p) = 16 mod 13 = 3
2 N O A P - 1 - 1 - 1 I V K - 1	h <sub>(4)</sub> = 13 mod 13 = 11
0 1 2 3 4 5 6 7 8 9 40 31 42	h <sub>(R)</sub> = 18 med 13 = 5
2 N O A P R -1 -1 -1 I V K -1  O 1 2 3 4 5 6 7 8 9 40 11 42	(8) 30 100 1
2 N O A P R Q -1 -1 I V M -1 0 1 2 3 4 5 6 7 8 9 40 14 42	h(a) = 17 mod 13 = 4
Z N O A 7 A Q & -1 I V K -1 O 1 2 3 4 5 6 7 8 9 40 11 42	h(8) = 19 mod 13 = 6
A V. De Day Co	
2 N O A P R Q & -1 I V K -1 0 1 2 3 4 5 6 7 8 9 40 14 42	
N; O	
1: 0	
v. 1 z: 0	
A; & P; 1	
K; O	
@: 2 8: 1	