```
A.

Sulalgoritm sec(n) este

paca m = Laterna

paca m = Laterna

rec(j)

sebaca

se succelede

j - [m/2]

rec(j)

sebaca

se succelederitm
```

$$T(m) = \begin{cases} 1 \\ T(m(x) + 1) \\ T(m(x) + 1) \end{cases}$$

Notein
$$m = 2^{k} = 3k = 600_{2}m$$

 $T(2^{k}) = T(2^{k-1}) + L$
 $T(2^{k-1}) = T(2^{k-2}) + L$

$$(T(2^{k}) = 1+1+1+...+1 = T(2^{k}) = k = T(n) = eag n \in de koni$$

Our Par = Cor medice = Cor defar.

В.

d(c) = usi. secrimal corresp. Printe box : standa -> aprooptor
Costinines sp. 8: asi: standa -> aprooptor
Costinines sp. 8: asi: standa -> aprooptor

C: 193418 3 20 18 -1 23 8 -1 -1 11 -1 -1 -1 -1 -1 -1 -1 -1

Poimhiler: \$445

18 = 10(11(8) => d(83) = 011(2) = 4

11 < 15 => d(11) = 11

12 = 10010(2) => d(18) = 0010(2) = 2

13 = 10010(2) => d(18) = 0010(2) = 3

13 = 10010(2) => d(18) = 0010(2) = 2 (acupat)

34 = 100010(2) => d(34) = 0010(2) = 2 (acupat)

30 = 10100(2) => d(34) = 0010(2) = 2 (acupat)

30 = 10100(2) => d(34) = 0010(2) = 2 (acupat)

18 = 100010(2) => d(18) = 0010(2) = 2 (acupat)

19 = 10100(2) => d(18) = 0010(2) = 2 (acupat)

10 = 10100(2) => d(18) = 0010(2) = 2 (acupat)

10 = 10100(2) => d(18) = 0010(2) = 2 (acupat)

10 = 10100(2) => d(18) = 0010(2) = 2 (acupat)

10 = 10100(2) => d(18) = 0010(2) = 2 (acupat)

10 = 10100(2) => d(18) = 0010(2) = 2 (acupat)

C1.a)

In cost defen, norm anos un timp constant de executio en cost defen. normantalor) => @ (1) => \$1.

come in core delegnarapril are combberitates limiare A (2).

(2. e)

ablitude en este besunter, atunci. 2-or britar staror ablitude est se in in consideras ablitude de maxim 212 interaire.

D.

CP3

e: TEcomontij

w: zupsed (us · ope Epmeure)

2. TRecontie

greggen, two stools (s) ofte

3 by6: ce cb3

Past: c'=c-e, unde e este al 3-lec cel mou.

@ exceptie daca con ave 3 elemente

```
Dara c. m ~ 3 aitenner.
       @ exceptie "Nu avem 3 elem. In coada-
    al+666
       01 1- 3+00006 (C)
       9100000 (c)
       3+625000 (C)
      3 se 240 berima 66 2 66am. Orionitaria ?
       J manuecisco co benimebb & colo moi berioni-toro,
       Stocate in an si'az sa' Rie readoirigate?
      adauga (c,a1)
      adaugai (coaq)
   SPDaca
Sf Sulallyon'tm
                                  trelemie imtoraduse
```

```
Suealgoritm storgere (c) este por 31 past condutii

a.c.e[1]

c.m.c.m.1

3 secolooora elementul daca nu rospecta relației

pord.-2

baca c.or (c.e[3], c.e[por]) adumci

pord.-3

Splaca
```

```
Cât Timp c.or (c.ezpozd], c.ezpozd], n poze = 4.m ex.
                 OCCIX 7- G. 6560595
                 [50933 C-0.65602]
convenient by pacer

bossic bossy &

convenient by pacer

bossic bossy &

conseq.
                 C. 65 bos 2 c orrx
                 Daca 0.21 (c. 656024122° c. 626026) V
                         bosg+1 = c.w v bossg= c-w atawa.
                         1 465 CO 341
         Sfattimp
         Horgore 1-a
StSuladgou+m
Sulla exposition adauga (c, e) este + pre 2 past comolitài
     C.M C-C.m+1
      c.etc.mz Le
      2 acem ne possocition de inattate?
      1 vans martja daar daca parintele nu se after in rel. en
       bosb - 1605(5]
      CâtTimp postos, l l c. 21 (c. et post 3, c. et post b) les
            ant (-c.6 stors?
            C.6560023 C.6 5600562
            6.61 bossb 2 c oux
            bos - bossb
             Loss 152
       2Rcattimp
  SRSullalyouthon
```

Combbexi, 10746:

- timb: O(b) sange Beste weithinter onsemblemen.

- sportier adritionnals: Aci)