Subvite 2022 t=tm. N = 1000 us $f = fm \cdot \left(\frac{M}{4} + 3\right) = 280 \mu S$ (d) t = tm.m = 10 ms Continutul registrului 2 este interchâmbat cu celula de memorie m prin intermedent instructionin John, ca o operatie atomica. Ni este o vomabila localà a sorchun Si 3i este impalbrat en 0, fan m este o vanalorlà globalà, comuna talung garcimila, find inspelhata en 1. Algoritant pentin Si este: < mequit sarcha); XCHG(Ri, m); paina cand mi; < relative critica >; XCHG(\(\lambda_i, m\); (rest sarculai) Alanci and o revenira entra in sectione cubica, &

11 8 10 3 A B C D codificare verticale lungume auvant menoure de control este: l = log_(1/1+8+10+3) = log_32 = 5 bis. codificare ourontala b) l=32 de bobi (1 bit pt fierare Mo) codificare minimala 0) -> clasele de conjuntibilitate se coefficie suitail:

A: LA = Log (11+1) = Log 12 = 4 B: lg= lg_2(841) = lg_3=4 C: lc= lg(10+1)= log 11=4 5: lj = lg₂(3+1) = lg₄ = 2 Intre clase se realisease o codificare outroutalà -, => l= la+lb+lc+lj=14 bibi lungime cuvant
memorde control

pyrelone en 4 unetate paralele. ciclu: F=1 ciclu J=2 ciclui F= 2 welmi M = 3:10° rough. 0 = 2.109 Hz t = ? ms FODEE FODEE FDEE F DD E.F. M. de cidui(N) = 1 + M + M · C, unde: 1- m unitate paralle (4) C-cidii de ceas pt executie. (2) n-mde instr (3.106) $N = 1 + 4 + \frac{3.10^6 \cdot 2}{4^2} = 5 + 1500,000 = 1500005.10^6$ T= M. de ciclui _ N = 1,500005.106 freventa _ 2.109 T= 0,75ms

6. MiC1 = mo1 mo2 mo3 mo4 mo5 mo6

miC2 = mo3 mo7 mo8 mo9

miC4 = mo4 mo8 mo1,

miC5 = mo6 mo8

gaminarea optimis?

Frimal pas este rá vedem daca brosta

"confrite", adica z microunstructium dunts - o

instructiume un pot fi im acelasi carry -)

instructiume un pot fi im acelasi carry -)

a) oi b) poea pl ca im carryund 4 ol

afla mos si moro care fae parte dun mils.

gh c si d) un losta confiete -)

rumainum sa minimusaim costul = , costul minim.

Se adura bith rucesan pl toate carryunde - s

costul pl varianta c = N+ N+1+2+2+1=10

costul pl varianta d = N+1+1+1+2+2+1=5

costul pl minim este 9 - , varianta d)

M procese >> M produi - const. to-time de sincionisque to time de overhead care parametro influentarà cel mai mult V? to, to ran [N]? V= II = N. t Tr = ts+(N).(++to) Darai posi V= Not totali (tato) -> o V= Not -> contana po V= Not >0 (ca m valitée) si 1= const V= Not >0 - posto to+[N].(+Ho) - to + t+to + t+to

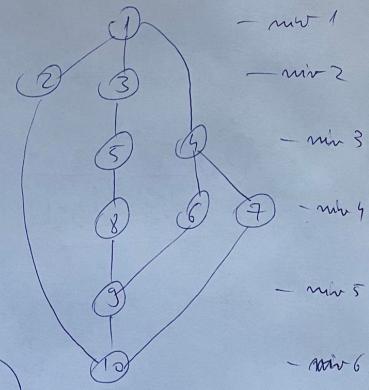
nit.

Nit. V= (+++) to contrara

7. 7.7.7. reo idee ?

8 - nu stin daca asta a fost ordinea, dan asta Ne då meren

N=10 sarcami t=555 Josep=6% V1=7.



7,= g,t + (1-1)t

$$=\frac{6}{100}$$
 $0.559 + \frac{94.559}{100.480}$

2 3:3 m paralel -spi-h80/2 - 240 de processare A finare -s Tz = f. + (-)+ = 6.559 + 34.559 100 1000240

$$9 \times 3 \text{ m parall} \Rightarrow 13 = 12.$$

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$$9 \times 3 \text{ m parall} \Rightarrow 13 = 12.$$

$$10 \times 3 = 100 \text{ de}$$

$$10 \times 16 = 15 = 11$$

$$10 \times 16 = 16 = 16$$

$$100 \times 160 \times 160 \times 160 \times 160$$

$$100 \times 160 \times 160 \times 160 \times 160$$

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$$100 \times 160 \times 160 \times$$

sistem de servini si sleventé: 52 53 (\$4) mitile finalisme Unice escapenta à sugrante un SI à ST. De ex: SI-> SI, 2: SF1. Uniarum ca o secreta care este dependentate de sura anteriorata sa NV megna mainte ca parintele ei sa fi terminat : Varianta cirectà: SIN STA SIZ STZ SIZ STZ SIZ STZ SISSTS SI STE SIZ STZ STZ SIZ STZ un stoin cum et face ett. en tabel de alording de serconi... vier volle??