

a) SPECIFICIRATI SIE PREIHANG U STRUNTURI SKLOPOVSKE UPRAVYACKE JEDINICE:

> 4/16 (1) DEKORER POITAJE 32 UPPLUEDIM

2) BROJILO POSTAZE PO MODULU:

FAZA "PRIBAN": 2×45T=85T FARA "IZVKJI": [-PREBACIVANJE M 12 HOR U MAR IDT

- CHANGE ZAT PREBACINARDE MOR U AC . NOT - INKREMENTIRATE AC (DODATH SIGNAL): 1AT - PREBACIVAME AC UMBAT MAT - PIS ANJE . 2DT LOUKUPHO: 8AT

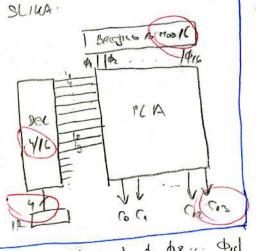
JUKUPNO NAH ZA HONU (NEDHO IMAJOUEU) INSTRUKCIJU TREBA 16 AT

=> BROJICO POSTAJE PO MODELU 16

(3) INSTRUKCIJSKI REGISTAR POSTAJE 4-BITTUI

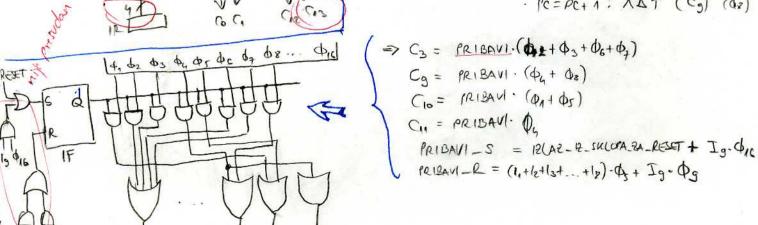
RODAJEMO RODATAI SIGNAL CIS ZA INCREMENTRANJE AC

MOZEMO MONTICIRATI INCOP LA RESETRANTE BROJILA,
TAKO DA SE RESETRA I NAKON BIVOTA DUGIH (SADA SREDNJIH) (3) INSTRUCCIJA, KOJE TRAJU 8DT



5) DIO UPRANGACKE JEDINICE KOJI POPREMNA FAZU "PRIBLUM NOVE INSTRUKCIJE:

-> ETANGE I. RIJECT: TR IBAUT : + (O) IC-THAR IDT (CIO) READ : (2DT)(C3) (A2,65) MAR -> TR /1 DT (Cg, C11) (64) > CITARJE 2. RIJECT: · PC-THAR : 1ST (C.) (Q2) 2 DT (C3) (05,07) - READ : · PC = PC+1: NAT (Cg) (dz)



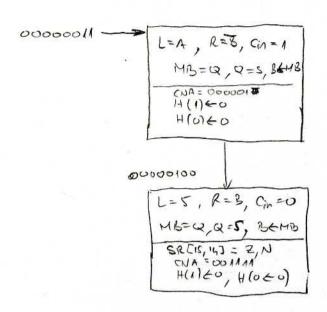
C 11

C,0

Cg

a) DIJAGRAM TOKA MIKROPROGRAMA:

9579247



L) MIKRO PROGRAM U JERIKU SCIENDA CDL-U:

```
/KA (3) * P(0)/
                    L=A
1KB(2) *1(0)/
                    R=B
1KOP(1) * P(0)/
                    Suma uz Ch = 1
/ (c) x (0) + P(0)/
                    MB=Q,Q=S
/KMB (2) * P(0)/
                     BEMB
/KST(0) *P(0)/
                    NOP
1KAB (0) XP(1)/
                    H(1) +0
                    H(0)+0
/KBB(0) *P(1)/
15 x P(1) /
                    H(7-2) ← CNA; F(CNA) = "000001"
1G* P(2)/
                    F+ CM(H)
                    L (45-8,7-0) = 0, F(EM); F(EM)=5
/WA (1) *P(0) /
1KB(4) + P(0)/
                     Suma uz Gh=0
/KOP (6) XP(6)/
/KSH (0) xM0)/
                     MB=Q,Q=5
 /KMB(2) *P(0)/
                      STAT (15) = 2T; STAT (14) & MB(15)
 /KST (3) * P(0)/
 /WAS (0) x P(1)/
                       H(1) +0
                       H(0) 40
 (NB3(0) * 19(A)/
                       H(7-2) € CUA; F(CNA) = "DOMM"
 16 x Pa) 1
                       F < CM(H)
 1G*P(2)/
```

() SADREAT HIKROPROGRAMSKE MEMORITE

00000100

-			T	100	00	60	000001	0000000
010	101	100	1013	Married Woman or widow	00	111	1001111	10000010
100	1100	(00	010				CON-UNITED	T 1 4 4 7 1 1 1
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MALL OF BOTH OF STREET

2.00

3) IZVEDBA 1-TOG STUPNIJA ALU:

a) LOGIENO I:

Sis, So = 110

en) LOGI THO NE:

525, 50 = 111

· OPIS KORAKA I NADHA IZVEDBE SKLOPOUJA (U SKLADU S PREPORUĐENIM PRISTURM) DA LOGICKO I:

ORIGINALNO, POTPUNIM ESPAJALOM MOSENO OSTVAPENOT ENVIVALENCIAL

Fi = Ai (Bi

STO SE MOSE PASPISATI WAD:

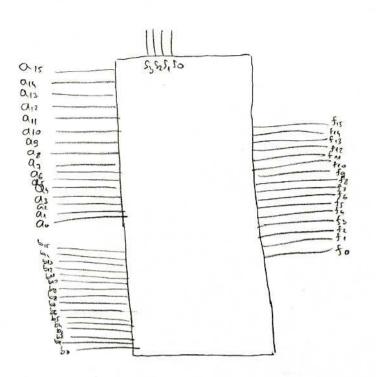
Fi = AiOBi # Ai·Bi + Ac·Bi

LOGICHO I OSTVARYJEMO TANO DA NA ULAZ ZBRAJALA
NE DOVODIMO VIJE Ai, NEGO UVODIMO NOVU VARIJADLU Ki,
TE DOVEDAMO NA ULAZ ZBRAJALA: (Ai+Ki)
TANO SADA IMAMO:

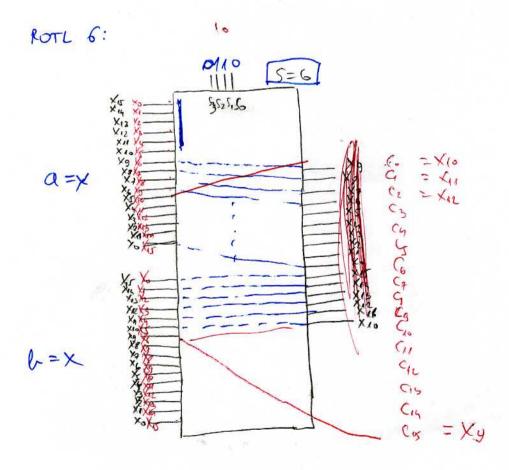
TUNICIJI "I "USJU ZELIMO OSTVARITI. DRUGA PUA CLAVA ZELIMO ELIMINIRATI. TO POSTIZEMO TANO DA VARIJABLI KI DODIJELIMO VRIJEDNOST Bi. TADA IMAMO:

G VIRTUALNA MEHORIJA:
- SEKUMDARNA MEM: 16 GB - PRIMARNA MEM: 256 MB - STRANICA; 4 KB - ADZESNA ZAMATOST: 1B - POTPUNO ASOCIJATIVNO PRESUM VANJE.
(I) JEDNOUS RISHENI SUSTAV.
PREURIVANTE (PREULAPANTE)???
DALI, ZADANO UZADATIKU: "SUSTAV KORISTI VIRTUALNI MEHORIJSKI RUSTAV".
a) FOR HAT VIRTUALNE ADRECE
orbesa strania pomah
b) FORMAT FIZIQUE ADRESE IN 11 (1. Takobish) pook
bluchih! c) BPOJ TRANIENHI PRIKYUZAWA
$\sqrt{n} = 2 = 633 = 64$
d) VEZIČINA TABLICE KOJA PODRŽAVA ADRESHU TRAHICACIOU
$\frac{2^{34}}{2^{12}} = 2^{22} = 4 M \text{ right} (2000) = 4.3 MB = 12 MB$
VISEND RISNITU SURTAN (DO 4 MORISNIMA)
Ima lib morda) a) FARMAT VIRTUALNE ADRESE Voice's podjelom? Na lingarniji Workow adr. strania ponal
unodel memoris () FORMAT PIZIONE ADRESSE 0
act. strontoe pounds
c) BROJ STRANIENIH PRINGUEARCY isto 216 = 65536
d) VELITINA TABLICE KOJA PODRZAVA ADRESNU TRANSLACIJU
ista (smojoi = 12 MB)
(II) OHJER PROMATAJA = 0.6 % = 0.006 = 9
$cp = 1 - h$ $conjer rogotus$ $= h \cdot BR$ $h = 1 - op$
LONDER POGOTICA BP
= 7.h = 1-0p S DRUGE STRANE: CBP = (1-0p). BR
$h = \frac{8R\sqrt{-R05000000}}{3R = (1-0,006) \cdot 2.8 \cdot 10^6}$
$h = \frac{1}{(800)} NASLONYAVANJA $ $BP = 0.394 \cdot 2.8 \cdot 10^6 = 2.3832 \cdot 16^6$
BP = C1994-2.8.10 -1975

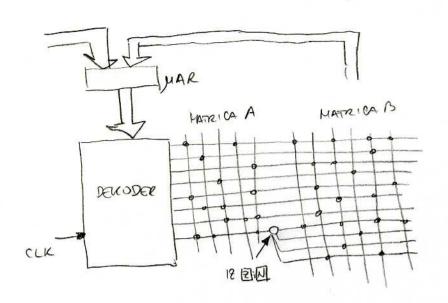




X1 X2 X12 X0 X1 X0 X3 X2 X2 X6 X6 X6 X1 X3 X2 X2 X NOTL 6



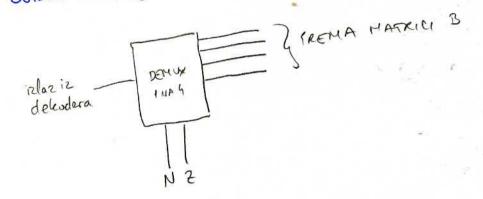
6 WILKESOVA SHEMA:



MATRICA A -) definita
upravlache
signale

HATRICA B -> definita
actesu
sligede de
uinstrukcije

12 PABILE 1 OD 4 MOQUÉS RUJEDECE MINSTE CUISMO O STANTU ZASTANICA NI Z



ILI, DETTAGMITE:

