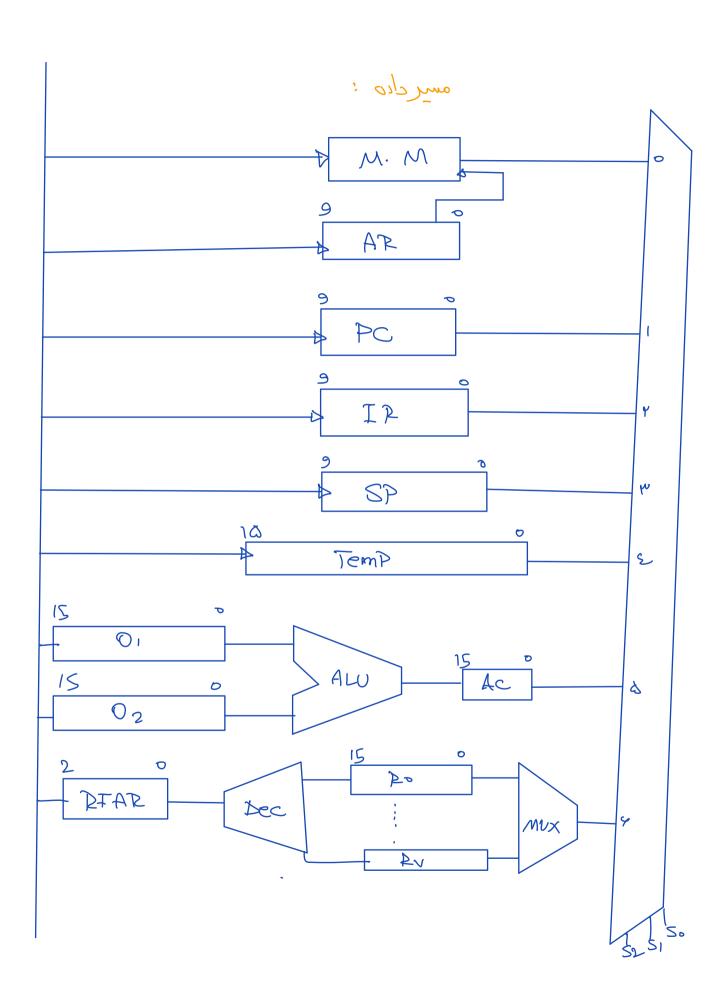
بإسخ نامه تمرين عدازدهم معمارى عامسوس

10 0 = 0 1 + 7 + 4 . desis versione

د سورالعل ها:

ADD (P1, 2, 23)	000 r1 r1 r2 r2 r2 r8 r3 r3
ADD < A>	001 aaaaaaaaaa
MOV 22,,22>	010 11111 121212
SUB CRIPRIRS	011 V1 V1 V1 V2 V2 V2 V3 V3 V3
LOAD <r, a=""></r,>	100 177 a a a a a a a a a a
Jump <2>	101 444
Push <r></r>	110 KKK
	opcode operands



ريز عملات حا:

fetch: To: ARe_AC

TI: IR = M[AR], FC = Ac+)

decode: T2: Decode IR[15:13] to Do to Do

execute:

ADD <P1, P2, P3>

POT3: RFAR - IR[16:4]

D, T4: O1 C PT [PFAR]

D. TS: PFAR _____IP [9:7]

Do To: O2 CITTERAR

D. T >: PFAR - IR [12:10]

DT8: AC - 01+02

Doto: RI[RTAR] & AC, SCC -0

ADD CAS:

PIT3: AR CIP[9:0]

D, T4: O1 - MEADT

DTS: 02 _____ AC

D T6: AC - 01+02 SC - 0

MOV <P1/2>

D2T3: PFAR ______IP(3,7)

P2 T4: temp C PF [ZFAZ]

D2TS: PFAP _____IP [12:10]

D2 T6: RF[RFAR] - temp, SC 0

SUB < P1/22/23>

T3D3: RFAR < IR (5.7)

T4D3: OI C RF[RFAR]

TBD3: RTAR - IR [6:4]

TbD3: 02 ETTAR]

TUDZ: PFAR < IR [12:10]

TE D3: AC - 01 - 02

TOD3: RF (RFAR) - +C, SCL 0

LOAD <P,A>

TUDG: PIAR _ IR [12: 10]

TSD4: RF[RFAP] - MEAR], SC - O

JUMP 225:

T3D5: RTAR < _____ IR [12:10]

TCDS: OI - PC

TSD5: O2 = RT[DFAR]

TODS: AC - 01+02

TUPS : PC - AC , SC-

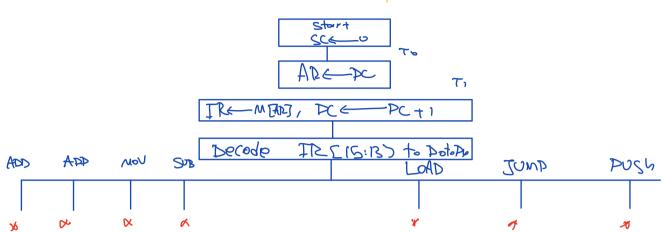
PUSh <R>

T3DG: RFAR ______IRTI2: 107

TYDY: AR ____SP

TSDy: M[AZ] C PF[ZZAZ], SA SC SA-1 SC SC SC

فلوجارت:



*: درهر عمدات ، دوا على نو سه سره درسمت ریزهله ها بایرنوسه کود

: بایم های لود

L-AR =
$$T_0 + D_1T_3 + T_3D_4 + T_4D_6$$

L-IR = T_1
L-PFAR = $P_0T_3 + P_0T_5 + P_0T_7 + P_2T_3 + P_2T_5 + T_3D_3 + T_5D_3 + T_5D_3 + T_5D_5 + T_5D_6$
L-O1 = $P_0T_4 + P_1T_4 + T_4P_3 + T_4P_5$
L-O2 = $P_0T_6 + P_1T_6 + T_5P_5$
L-AC = $P_0T_6 + P_1T_6 + T_6P_5$
L-Temp = $P_0T_6 + P_1T_6 + T_6P_5$
L-Temp = $P_0T_6 + P_1T_6 + T_6P_5$
L-PC = $P_0T_6 + P_1T_6 + T_6P_5$

Clear, Dec, Fre Gul :

INC-PC=Ti Dec-SP=TSP6 CIR-SC=POT9+PIT6+D2T6+T9P3+T5D4+T7D5 +T5D6

M.M Clary:

Write -TSD6

Read: AT4+T1+T5D4

ALV Jungleny: 2018+D176+T6D5+T8D3

 $X0 = T_1 + D_1 T_4 + T_5 D_4$

X1 = To

 $X_2 = P_0T_3 + P_0T_5 + P_0T_7 + P_0T_5 + P_2T_5 + P_2T_5 + T_3P_3 + T_5P_3 + T_5P_3 + T_5P_3 + T_5P_5 + T_3P_6$

X3 = T4D6

X4 - D2T6

XS: Do To + DITS + To D3 + Tx D5

X6 = POT6 + POT4 + D2T4 + D4T3 + TOD3 + TSD5 + TSD6

(Y)

tp=max(t1,t2,t3,t4)+tr=100+10=110ns

tunp = +1++2++3++4++= Mrs Speedup = 10 = 10

و بعاد مترسه مداد بالس لاح برای هردود سور بوابراست با ،

100 = -100 = 1 x 4 + 00 | x 4 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100 | = 100