





pash RS1

Punc 7 | rs2 | rs. | func3 | rd | Op | 31-25 24-20 19-15 14-12 11-76 9

push

رول امراک دار رمای در

100 m

(D): \[ A = RF[rsi] \]

I \[ B = RF[rsi] \]

AND-OND = pc+Imm

I Alu-out = A-4

TYS Mem [ Alli-out] = B

را م الله الله الله IF , ID ماتد في دين الل

update Memwrite = 1 Alusica=10 Adr Src=1 omigila - of SeH = 0 Ala Src B =10 Se 2 = 0 Requirite = 1 الله المالية func 7 rsz rs, Func3 rd OP 31 \_25 24-20 19-15 14-12 11-7 1 IF state ری ID, IF مرزای در باه ای ارد. IR = Mem [PC] ومول رفان الرام لأنه باز- العامرين عرف ماري PC = pc + 4 TIP State A = RF [rs1] B = RF [rs 2] Alu-out = pc + Imm (Adr catculator) Alk-out - A+B Read Data = Alh\_out (Mem Read) 0 (write in Reg rd = Read Data  $(\mathcal{I})$ 1 151 = Alu-out (update adr) ResultSrc =00 Adr Src=1 AluSrc A = 10 regnite = 1 Alusra B =00 ( The Street = 00 Alu Src A = 10 Alusra = 10 (4) Aluatrol=00 ( Des Jus) resut STC=00 SCI2 =1 rywrite =1

Sc1 2=0



