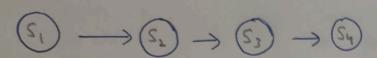
			STA	TES			
51	$PC \rightarrow mem - A$, alu-A $mem - D \rightarrow ir$ $+1 \rightarrow alu - B$ $alu-out \rightarrow PC$	56	$t_1 \rightarrow alu - A$ $ir_{5-0} \rightarrow SE6 \rightarrow alu \cdot B$ $alu - out \rightarrow t_3$	512	$PC \rightarrow alu-A$ $iY_{S-0} \rightarrow SE6 \rightarrow alu-B$ $alu-out \rightarrow PC$	S18	t, mem-A mcm-D mt 2
	$ir_{11-9} \rightarrow rf-a_1$ $ir_{8-6} \rightarrow rf-a_2$	57	t3 → rf-03 ⁽³ 6-6 → rf-A)	\$13	$PC \rightarrow alu - A, t,$ $iY_{8-0} \rightarrow SE9 \rightarrow alu - B$ $alu - out \rightarrow PC$	\$19	$t_{L} \rightarrow 8f-03$ PE-out $\rightarrow 7f-A3$ $T1 \rightarrow alu-A$ $+1 \rightarrow alu-B$ $alu-out \rightarrow T1$ PE-out $\rightarrow 7f-a_{1}$ $+1 \rightarrow alu-B$
Sl	$vf-d_1 \rightarrow t_1$ $vf-d_2 \rightarrow t_2$	28	$ir_{8-0} \rightarrow S7 \rightarrow rf-03$ $ir_{11-q} \rightarrow rf-A_3$	S14	t ₁ → alu -A +1 → alu -B		
		59	$t_2 \rightarrow alu - A$ $i_{5-0} \rightarrow SE6 \rightarrow alu - B$		alu-out → t3 PC → alu-A	520	
53	$t_1 \rightarrow alu - A$ $t_2 \rightarrow alu - B$ $alu - out \rightarrow t_3$		alu-out -> t3	\$15	+1 -> alu -B alu-out -> t3		T2 -> mem-D t1 -> mem-A, alu-A
S ₄	$i_{5-3} \rightarrow \gamma f - A_3$ $t_3 \rightarrow \gamma f - D_3$	\$10	$t_3 \rightarrow mem-A$ $mem-D \rightarrow t_3$	516	$t_3 \rightarrow rf - D_3$ $ir_{11-q} \rightarrow rf - A_3$	511	+1 -> alu-B alu-out -> T2
	$\begin{array}{c} (shipt left) \\ t_2 \rightarrow SL \rightarrow alu - B \\ t_1 \rightarrow alu - A \\ alu - out \rightarrow t_3 \end{array}$	S11	$t_3 \rightarrow rf - D_3$ $i_{11-q} \rightarrow rf - A_3$		$t_1 \rightarrow alu - A$ $1_{8-0} \rightarrow SE9 \rightarrow alu - B$ $alu \cdot o ut \rightarrow PC$	Sig	2 tz->pc
55				517			

(ADD/ADC/ADZ/NOU/NOC/NOZ:



DADL:

$$\bigcirc \bigcirc \rightarrow \bigcirc \bigcirc \rightarrow \bigcirc \bigcirc \rightarrow \bigcirc \bigcirc \bigcirc$$

3 AOI:

$$(c_1) \rightarrow (c_2) \rightarrow (c_3) \rightarrow (c_4)$$

4. LHI:

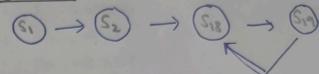
(S) LW:

$$\overbrace{(5)} \rightarrow \overbrace{(5)} \rightarrow \overbrace{(9)} \rightarrow \overbrace{(5)} \rightarrow \overbrace{(5)} \rightarrow \underbrace{(5)} \rightarrow \underbrace$$

@ SW:

$$(S_1) \rightarrow (S_2) \rightarrow (S_9) \rightarrow (S_{10})$$

D LM:



8. SM:

$$\boxed{(2)} \rightarrow \boxed{(2)} \rightarrow \boxed{(2)} \rightarrow \boxed{(3)} \rightarrow \boxed{(3)}$$

@ BEQ:

$$\boxed{\$} \rightarrow \boxed{\$} \rightarrow \boxed{\$} \rightarrow \boxed{\$}$$

(JAL:

$$(S_1) \rightarrow (S_{13}) \rightarrow (S_{14}) \rightarrow (S_{14})$$

(I) JLR:

$$(S_1) \rightarrow (S_2) \rightarrow (S_{15}) \rightarrow (S_{16}) \rightarrow (S_{22})$$

(2) JRI:

