ADD / ADC / ADZ / NDU / NDC / NDZ

$$S_{\nu} \quad \frac{(III)' \longrightarrow RF-AI}{RF-DI \longrightarrow TI}$$

$$\begin{array}{ccc}
IR & \longrightarrow RF-AI \\
II-9 & \longrightarrow RF-A2 \\
RF-DI & \longrightarrow TI \\
RF-D2 & \longrightarrow T2
\end{array}$$

$$T1 \longrightarrow alu - A$$

$$S_{4} \quad T2 \longrightarrow alu - B$$

$$alu - C \longrightarrow RF - D3$$

$$IR_{5-3} \longrightarrow RF - A3$$

ADL

$$S_{\bullet}$$
 \downarrow S_{1} \downarrow S_{2} \downarrow S_{3} \downarrow

$$T_{1} \longrightarrow alu - A$$

$$T_{2} \longrightarrow |S| \longrightarrow alu - B$$

$$alu - C \longrightarrow RF - D3$$

$$IR_{5-3} \longrightarrow RF - A3$$

ICA

$$\begin{array}{c} S_0 \\ \downarrow \\ S_1 \\ \downarrow \\ S_2 \\ \downarrow \\ S_3 \\ \downarrow \end{array}$$

$$TI \longrightarrow olu - A$$

$$TR_{5-0} \longrightarrow SEG \longrightarrow olu - B$$

$$S_{c} \quad olu - C \longrightarrow RF - D3$$

$$IR_{8-6} \longrightarrow RF - A3$$

$$IR \xrightarrow{8-0} 7S \longrightarrow RF-D3$$

$$IR \xrightarrow{11-9} RF-A3$$

LW

$$\begin{array}{c} S_0 \\ \downarrow \\ S_1 \\ \downarrow \\ S_2 \\ \downarrow \end{array}$$

$$\begin{array}{c|c}
TR_{8-6} & \longrightarrow RF-AI \\
S_8 & RF-DI & \longrightarrow TI
\end{array}$$

$$\begin{array}{c|c}
T1 \longrightarrow olu - A \\
Sq & TR_{5-0} \longrightarrow SEG \longrightarrow olu - B \\
olu - C \longrightarrow T2
\end{array}$$

$$\begin{array}{c|c} T2 \longrightarrow Mem - A \\ \hline S_{10} & Mem - D \longrightarrow T1 \end{array}$$

$$\begin{array}{c|c} S_{11} & \overline{11} \longrightarrow RF - D_3 \\ & \overline{1R}_{11-9} \longrightarrow RF - A_3 \end{array}$$

SW



$$\begin{array}{c|c} S_{12} & \overline{IR}_{11-q} \longrightarrow RF-AI \\ \hline & RF-DI \longrightarrow TI \end{array}$$

LM

Sz

if
$$(IR_{i} = I)$$
 then

Mem-D → T2

 $T2 \longrightarrow RF - D3$

SM

$$S_0$$
 S_1
 S_2

Sz

if
$$(IR_{i} = I)$$
 then

$$S_{17}$$
 dec(i) $\rightarrow RF-A2$
 $RF-D2 \rightarrow T2$

SIG

BEQ

$$\begin{array}{c}
S_0 \\
\downarrow \\
S_1 \\
\downarrow \\
S_2 \\
\downarrow \\
S_3 \\
\downarrow
\end{array}$$

$$\begin{array}{c}
T1 \longrightarrow alu - A \\
T2 \longrightarrow alu - B \\
if (z == 1) \text{ then}
\end{array}$$

$$S_{20} \stackrel{(|||)}{\longrightarrow} RF-AI$$

$$RF-DI \longrightarrow TI$$

JAL

$$\begin{array}{ccc}
T_3 & \longrightarrow RF-D_3 \\
S_{22} & T_{R_{11-9}} & \longrightarrow RF-A_3
\end{array}$$

$$T1 \longrightarrow alu - A$$

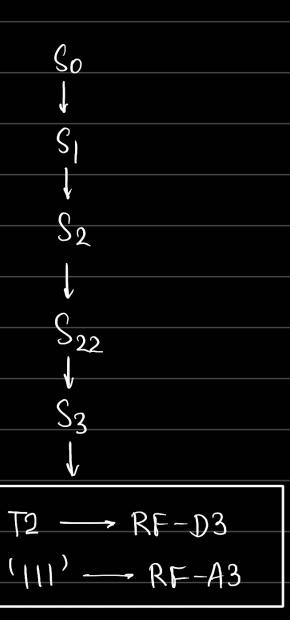
$$TR \longrightarrow SE9 \longrightarrow alu - B$$

$$S_{23} = alu - C \longrightarrow RF - D3$$

$$(111) \longrightarrow RF - A3$$

JLR

Szy



JRI

