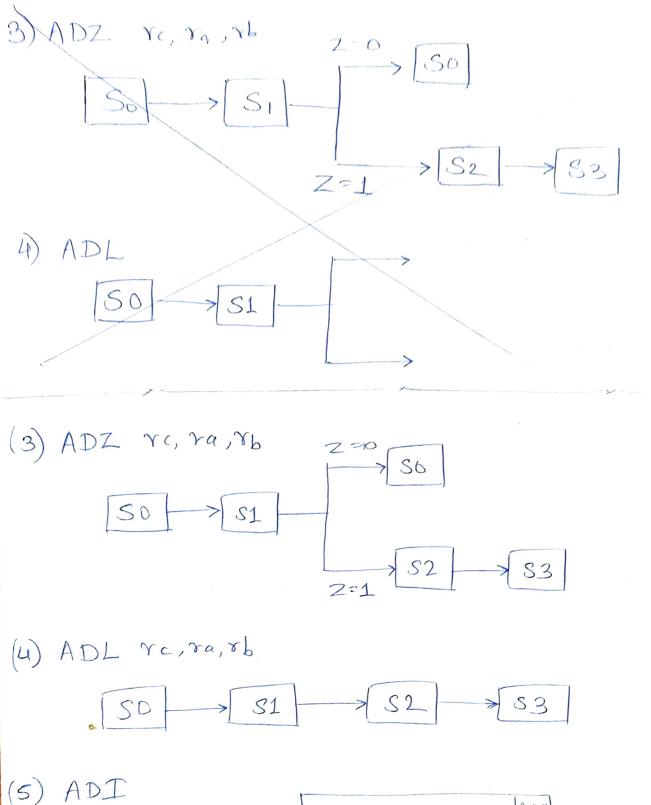
EE309-Course Priject Multicyde 11TB-RISC-2022

Group: Akshata Koshti - 200070034 members Darshan Sinnarkar - 200070079 Dheeray Shakya - 200070016 Sharvari Medhe - 200070073

Flowchart - Level 2 for all instructions

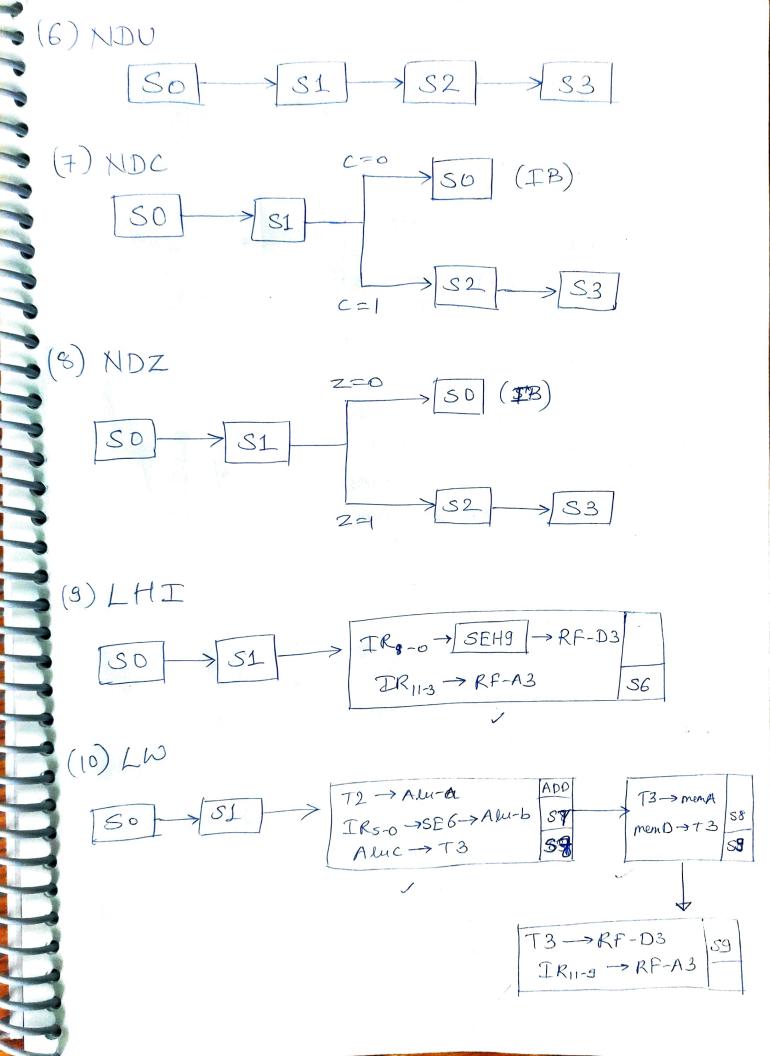
 $\begin{array}{c|c} C=0 & S_0 \\ \hline S_0 & S_1 \\ \hline \end{array}$ $\begin{array}{c} C=1 & S_2 \\ \hline \end{array}$ $\begin{array}{c} S_2 & S_3 \\ \hline \end{array}$

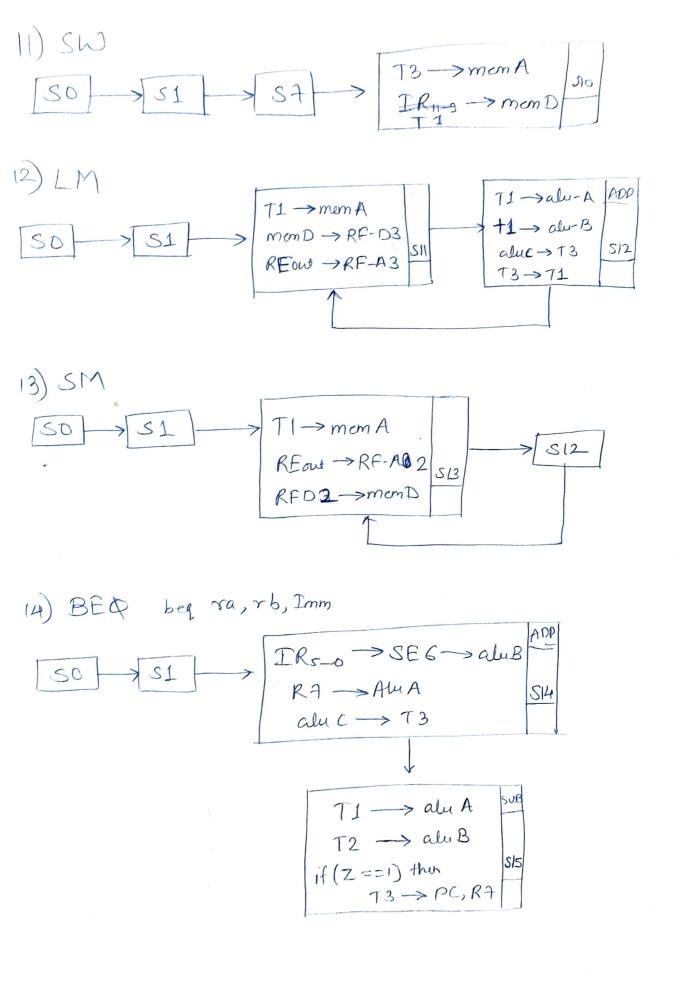
53: Rd-Wr $I_2 = R_3 + R_2 -$



(5) ADI

$$\begin{array}{c|c}
11 \rightarrow aluA & App \\
\hline
1R_{5-0} \rightarrow SE_{6} \rightarrow aluB & S4_{9} \\
\hline
1R_{5-0} \rightarrow SE_{6} \rightarrow aluB & S4_{9} \\
\hline
1R_{8-6} \rightarrow RF-\Lambda_{3} & S5_{9} \\
\hline
1R_{8-6} \rightarrow RF-\Lambda_{$$

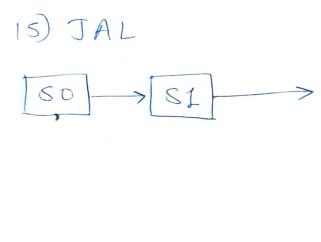




c c c c c

C

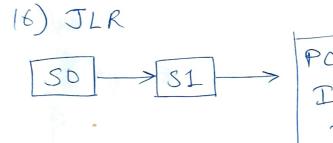
C



$$PC \rightarrow RF-D3$$
 $IR_{11-9} \rightarrow RF-A3$
 $R7 \rightarrow aluA$
 $IR_{8-0} \rightarrow SE9 \rightarrow aluB$
 $such alu C \rightarrow T3 \rightarrow PC, R7$

ADD

518



$$PC \rightarrow RF-D3$$

$$TR_{11-9} \rightarrow RF-A3$$

$$T2 \rightarrow PC, R7$$

