

Time goes from left to right ----->

Instruction	T1 (Opcode 0) R2, R1, R2	T2 (Opcode 0) R4, R3, R4	T3 (Opcode 0) R6, R5, R6
ReadSelect1 PR1	1	3	5
ReadSelect2 PR1	2	4	6
WriteSelect PR1	2	4	6
WriteEnable PR1	1'b1	1'b1	1'b1
ReadSelect1	1	3	5
ReadSelect2	2	4	6
Read Data 1	10	30	50
Read Data 2	20	40	60
WriteData	1	31	71
WriteSelect	2	4	6
WriteEnable	1	1	1
ReadData1 PR2	10	30	50
ReadData2 PR2	20	40	60
WriteSelect PR2	0	2	4
WriteEnable PR2	0	1	1
R2	0	10	30
R3	0	20	40
Out	1	31	71
