

1011-SR-PCoffset9

ADDR1MUX: PC

ADDR2MUX: SEXT(IR[8:0])

Marmux: Addr. Adder

Gate.Marmux

Ld.Mar

Mem.En /R (wait for ready signal)

LD. MDR Gate.MDR LD.MAR

SR1MUX Selects IR[11:9]

ALUK: pass through

Gate.ALU LD.MDR Mem.En /W