

CS 631-01 Processor Design (cont.)

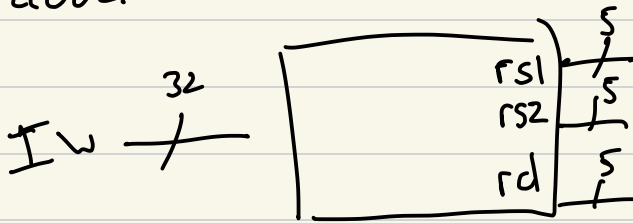
Decoder and Control

Reg Decoder

Imm Decoder

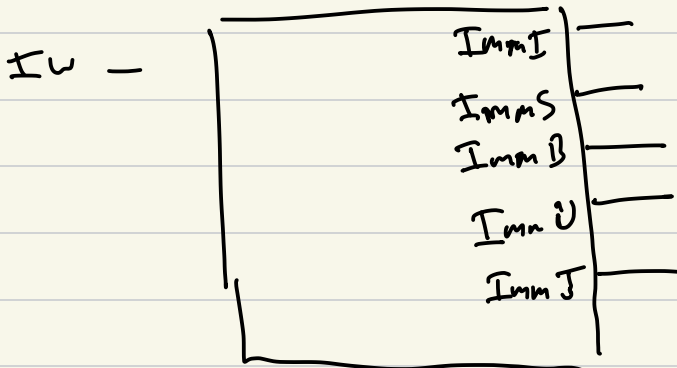
Inst Decoder

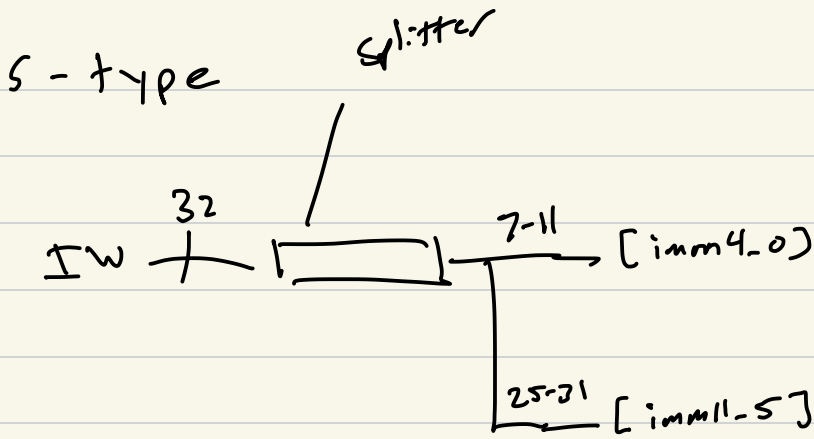
Reg Decoder



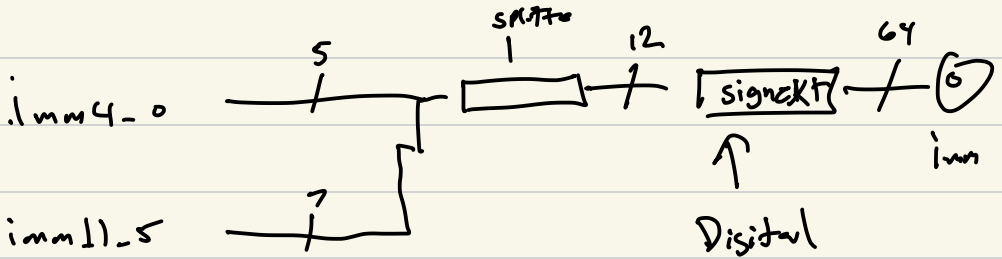
one splitter

Imm Decoder

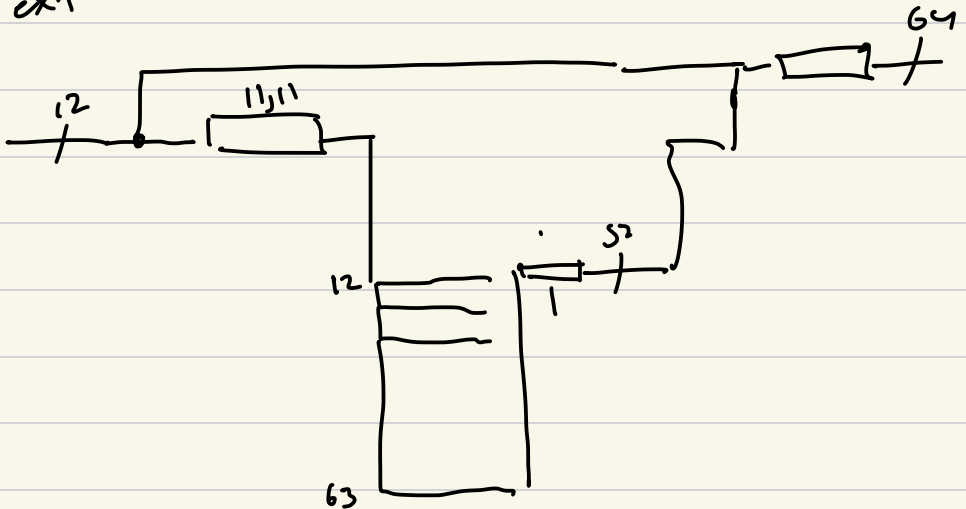




Goal: 64 bit sign extended value



Sign ext



Sign-ext with MUX

