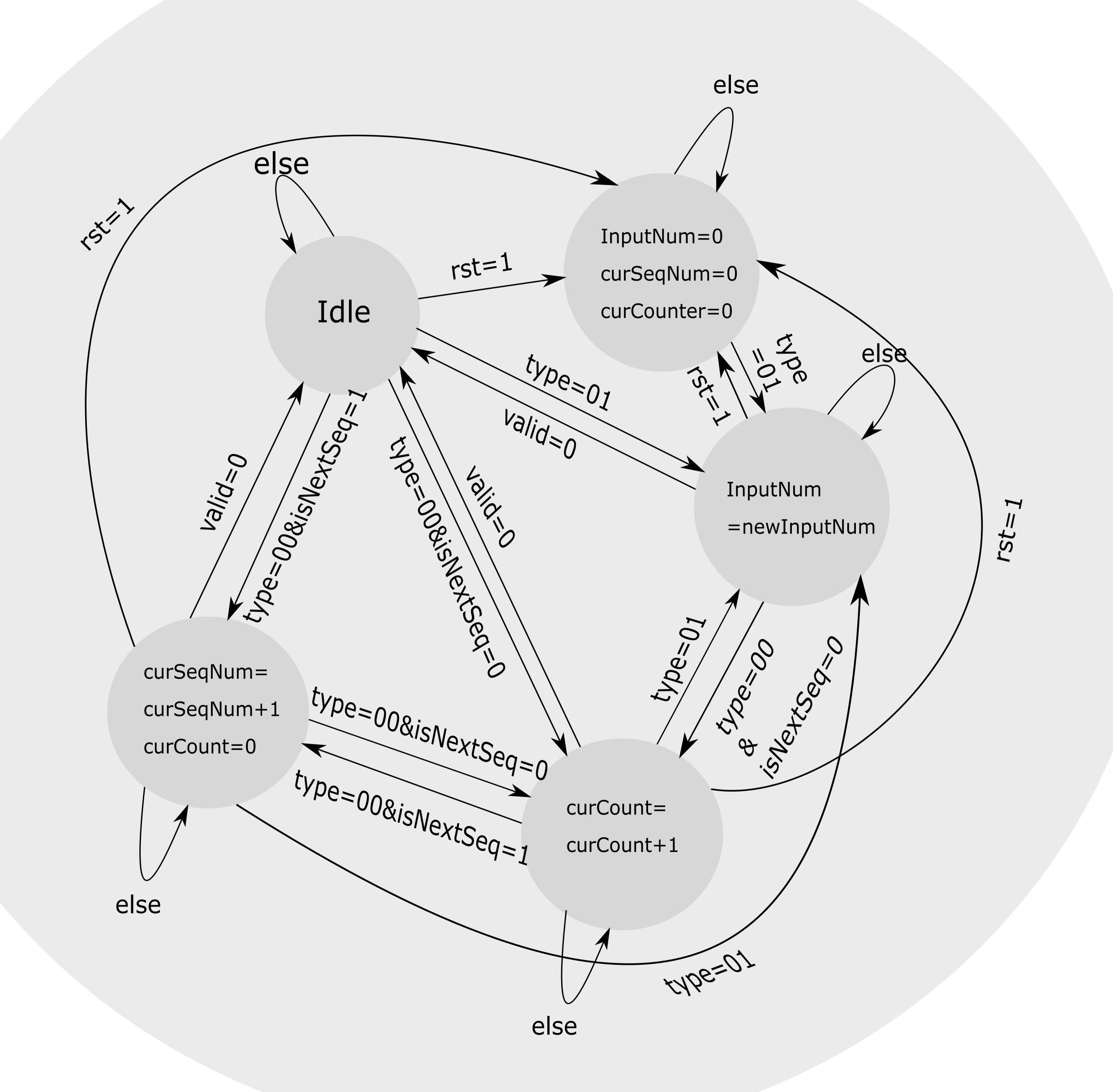
SSM



rst

clk

valid

type

newInputNum

[SOURCE_WIDTH-1:0]

[TYPE_WIDTH-1:0]

isNextSeqNum

curCounter [SOURCE_WIDTH-1:0]

> curSeqNum [SEQ_WIDTH-1:0]

nextCounter [SOURCE_WIDTH-1:0]

[SEQ_WIDTH-1:0]

nextSeq