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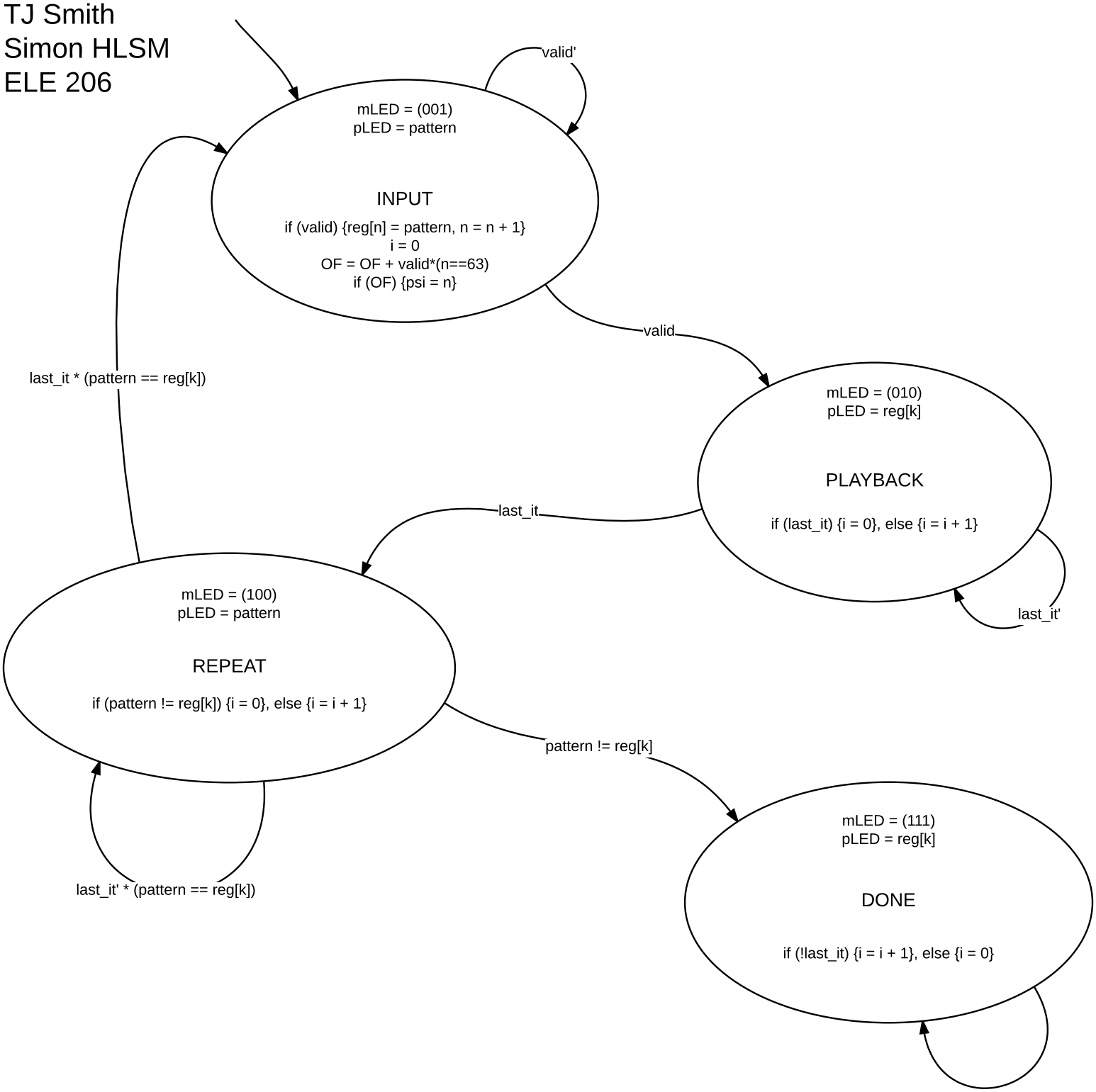

Note:
k = i + psi + 1
last_it = (i == n-1) * OF' + (i == 63) * OF
pLED = pattern_leds
mLED = mode_leds

psi represents (si - 1) where si is the starting index for the iteration

All states have implicit transitions to GET_INPUT on rst.

All states have output: if (rst) {lvl = level, n = 0, OF = 0}

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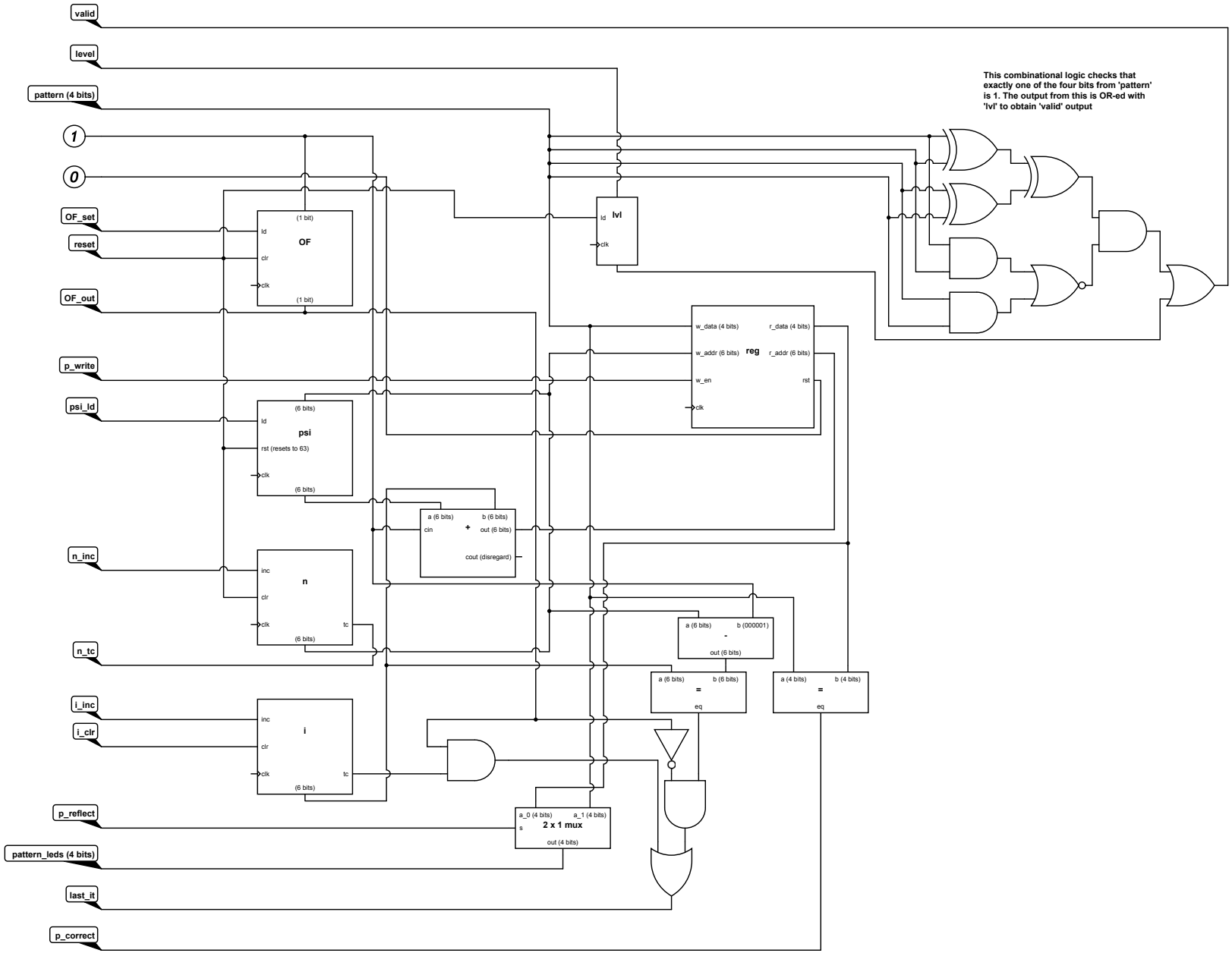

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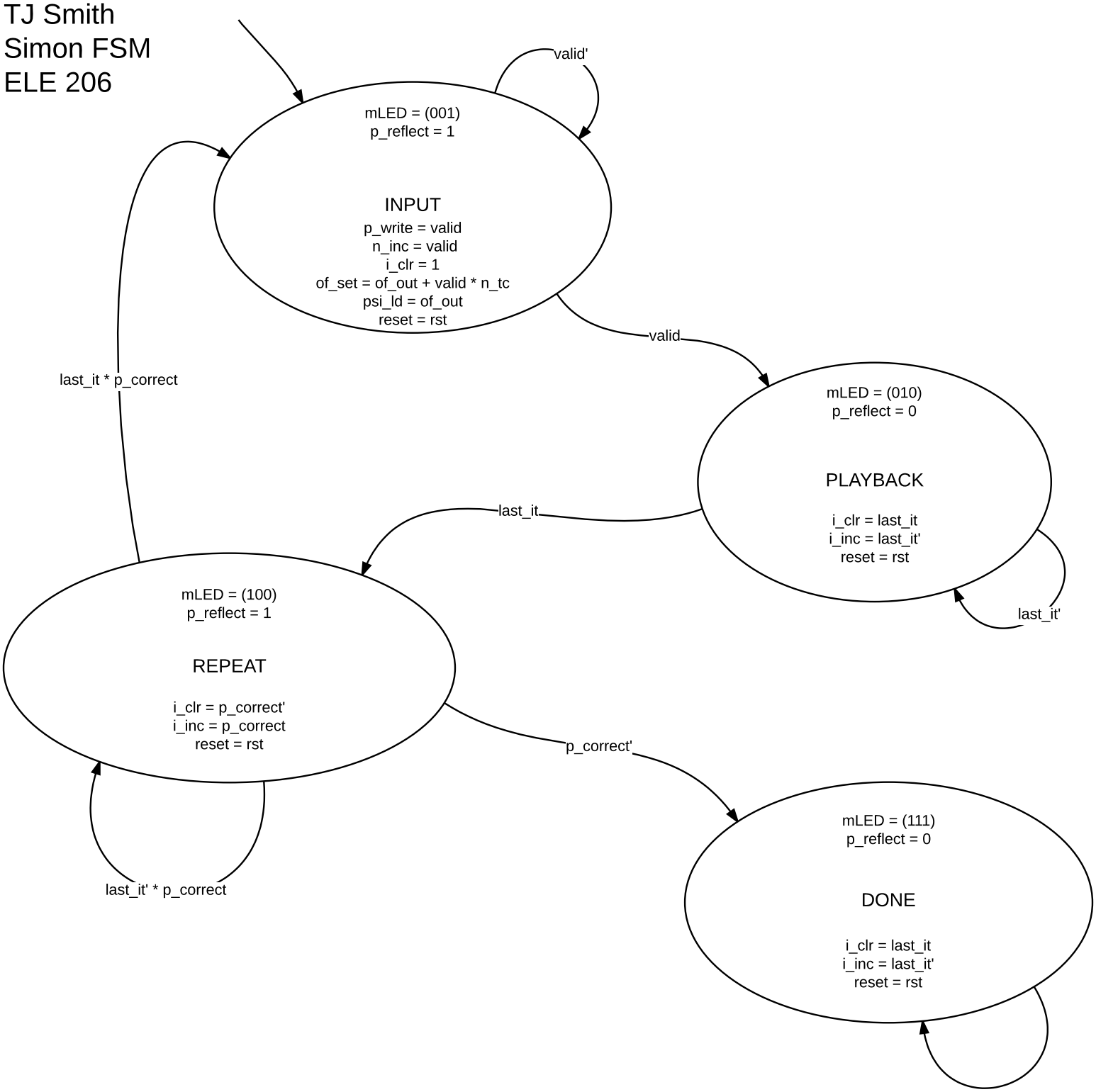

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psi represents (si - 1) where si is the starting index for the iteration

All states have implicit transitions to GET_INPUT on rst.
All lower (those below the name of the state) outputs except reset = rst are implicitly AND-ed with (rst')