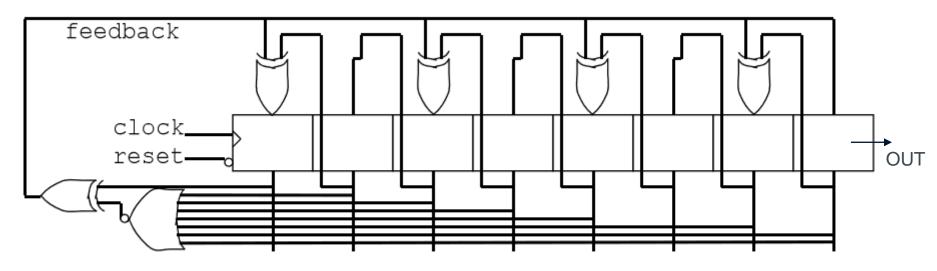# LFSR (Linear Feedback Shift Register)

Specification

- LFSR is initialized with a Seed input on reset activation
- LFSR operation enable signal is activated for 10 clock cycles, then result sequence is available in the LFSR
- IF out_enable signal is activated, LFSR result could be serially out through LFSR[0] with Valid signal

LFSR[7]   LFSR[6]   LFSR[5]   LFSR[4]   LFSR[3]   LFSR[2]   LFSR[1]   LFSR[0]