Reset
(0, 1, 0, 0)

Waiting for sequence to load
(0, 1, 1, 0)

Run SW algorithm
(0, 0, 0, 0)

Load scores and flags
(0, 1, 0, 1)

Write scores and flags
(1, 1, 0, 0)

FSM state vector: (we, rm, ena_seq, ena_sf)