





Generating Control Signals with Microprogramming

- The FSM approach works okay if the number of states is reasonable. If we had more instructions, though, the graphical representation could get out of control, no?
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- Another approach is to treat generating control signals as a programming problem, sort of — "microprogramming".

Can think of this as text representation of FSM, or as an "assembly language below assembly language".

• Basic idea is to define "microinstructions" (groups of control signals for the datapath) and use them to build a text representation of the FSM.









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