

Figure 1: Top-level block diagram of the guess-the-number game

- Req. (increment until wer press the first KEY press)

  O The player enters guess using SWz-o and was KEY, to confirm > USE HEXo-, displayer the input value
  - 3 red LED: tell whether under , over , or equal to the correct value
  - @ unlimited trys (first version). 7 trys (second version) -> Remaining attempts on HEX,
  - 1 Ends at "equal"

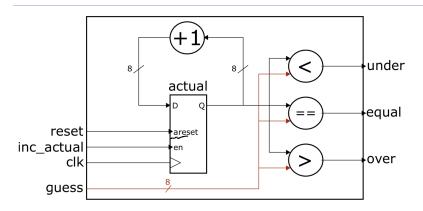
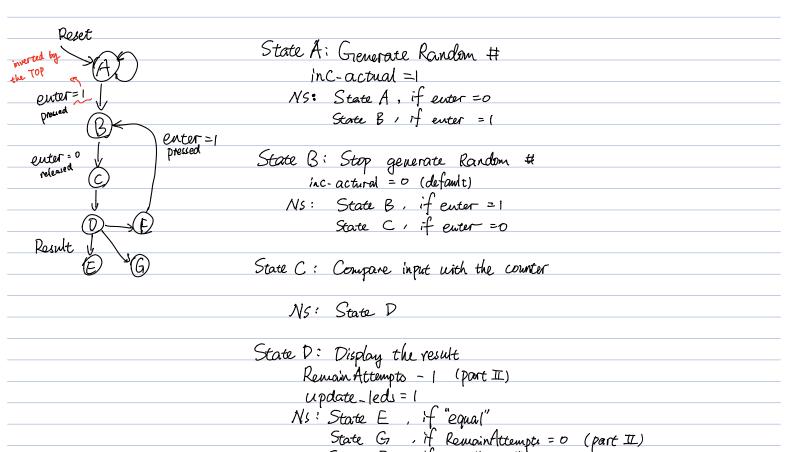


Figure 2: Game datapath



State F, if

not "equal"

State E: Won!
NS: State E
(wait for Reset)
State F: wait for next enter
NS! State F, if enter =0 State B, if enter =1
Crote B if puter =1
State G: Failed!
Take of Milen i
Ns: State G
(wait for Reset)
( Joseph C. Total T. Educa )