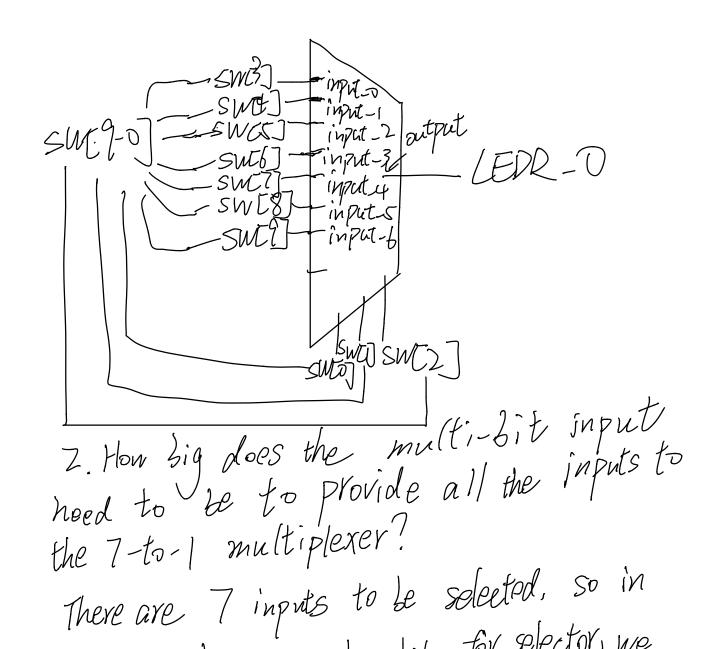
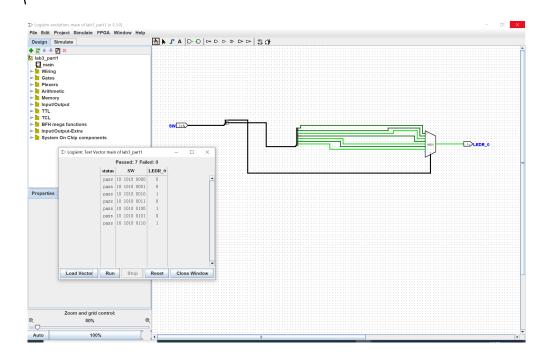
## Partl: 1. Draw schematic



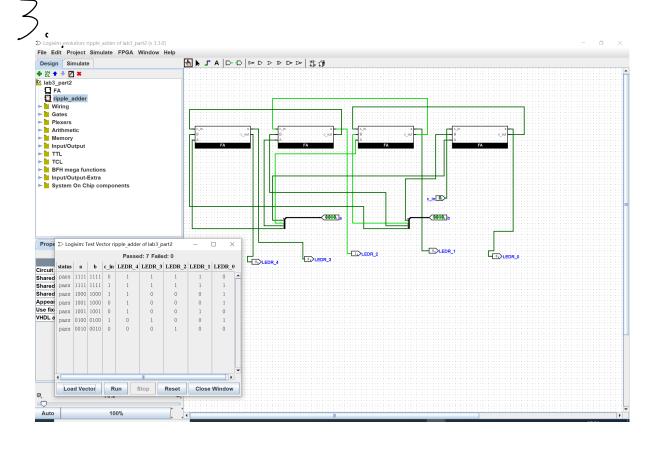
order to have enough bits for selector, we

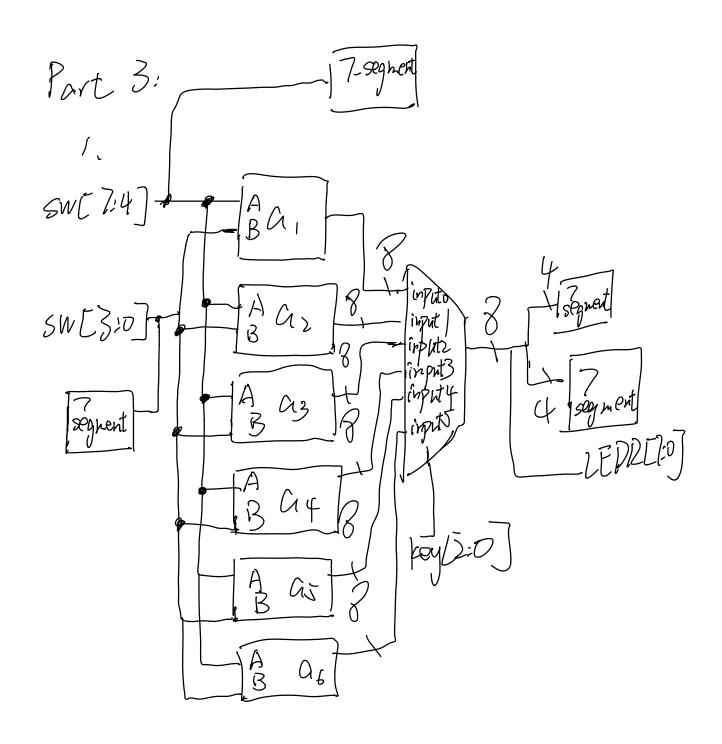
need 3 bits for selection, so totally 10 bits.

3

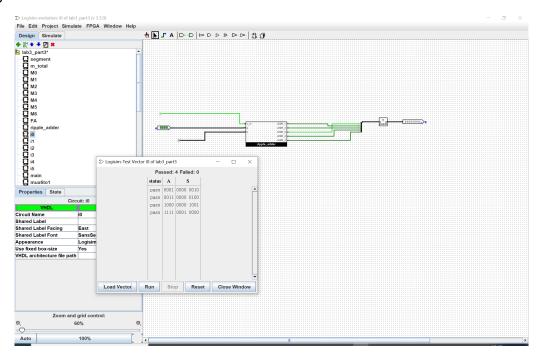


Part 2: 1. Praw schematic swiz:0] Swiz] 5000 Cin b3 a3C3 court (ount V LEDR-2 LEDR-1 LEDR-O

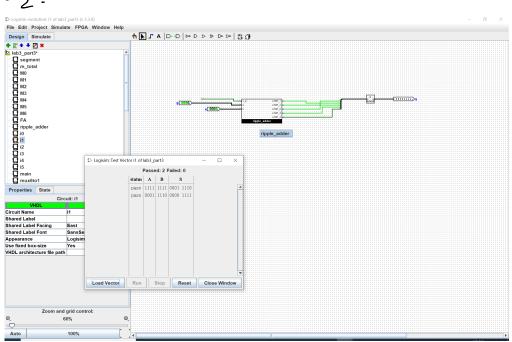




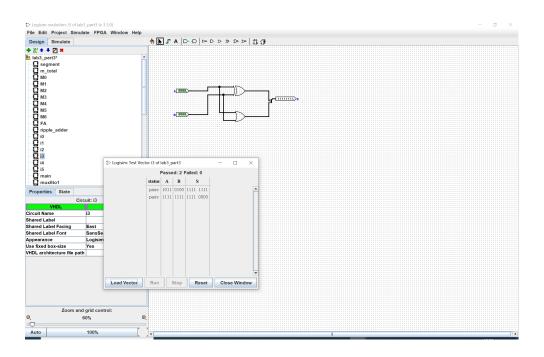
## 3. Ao:



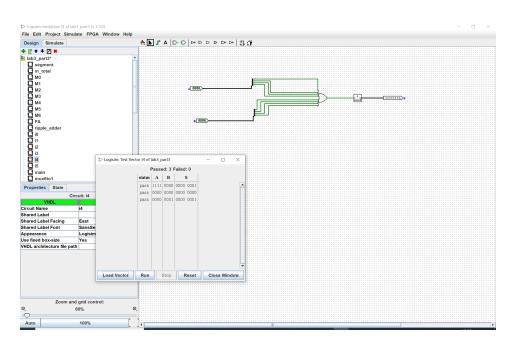
## $\alpha, \alpha_2$ :



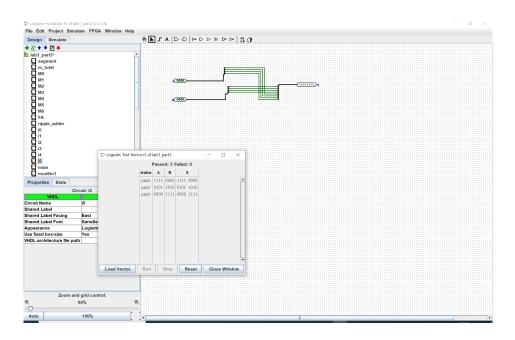
az :



ay;



at:



## total:

