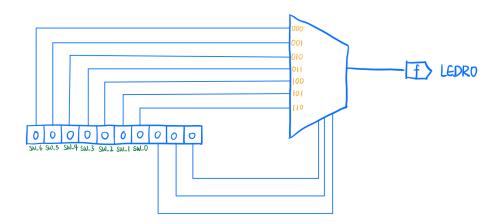
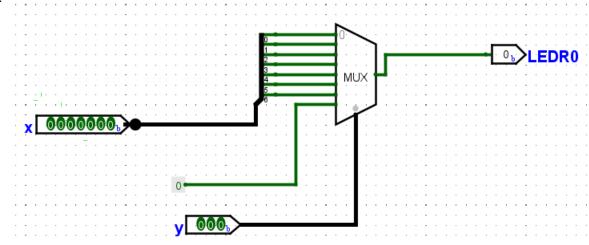
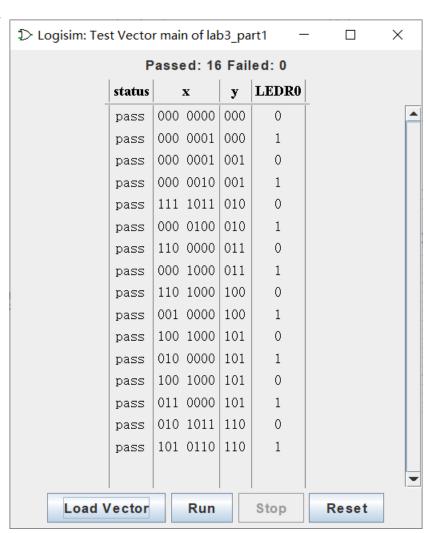
Part I

1.

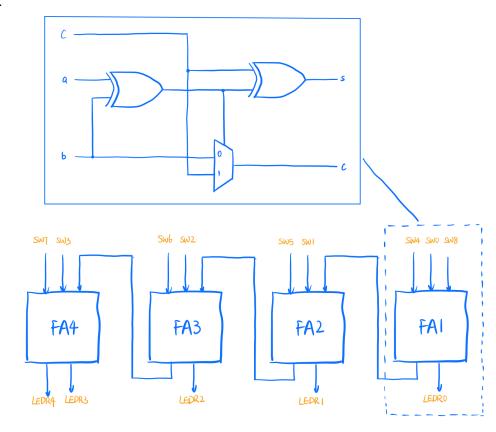


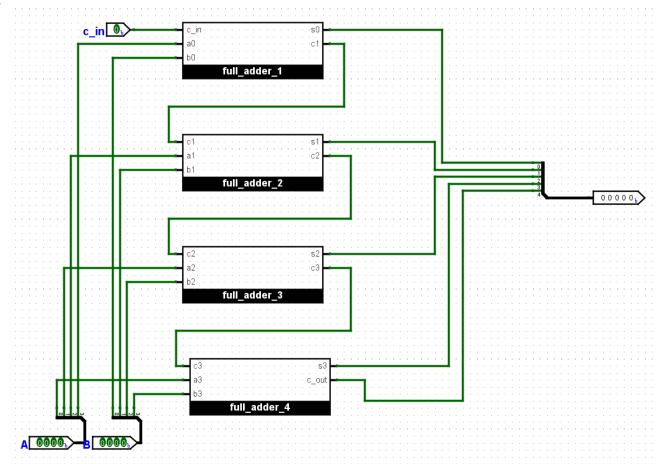
b) The input needs to be 10 bits large in order to provide all inputs for a 7to1 multiplexer.

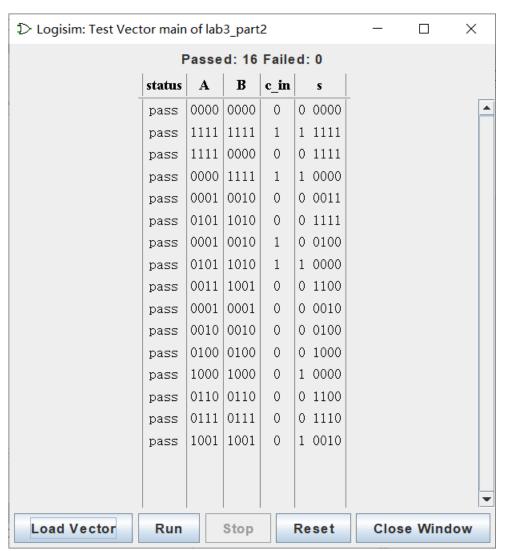




Part II







Part III

