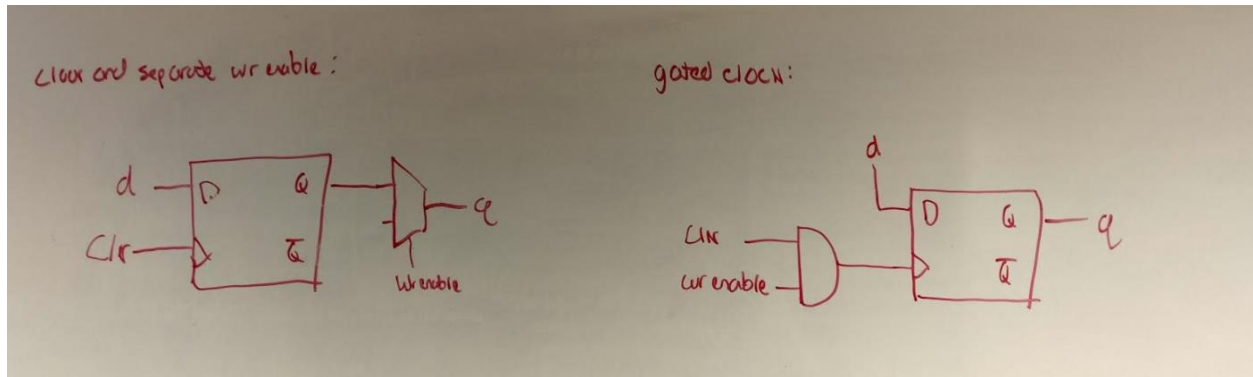


### Deliverable One:



### Deliverable Six:

The decoder bit-shifts either a one if enable is driven high or a zero if enable is driven low the number of positions to the left of the address. At most enable is shifted 31 positions to the right and takes the most significant spot (out[31]).