



~Changes added~  
 -Mux4 now selects between 3 inputs with modified control line  
 -new MUX32 to select between wb\_out and data to be swapped  
 -new swap\_data module that stores data to be swapped(out\_sel ->selects which data to output; swap\_en captures the current data from the registers)  
 -new swap\_reg module that switches which register to write to (swap\_reg-> selects the register address)