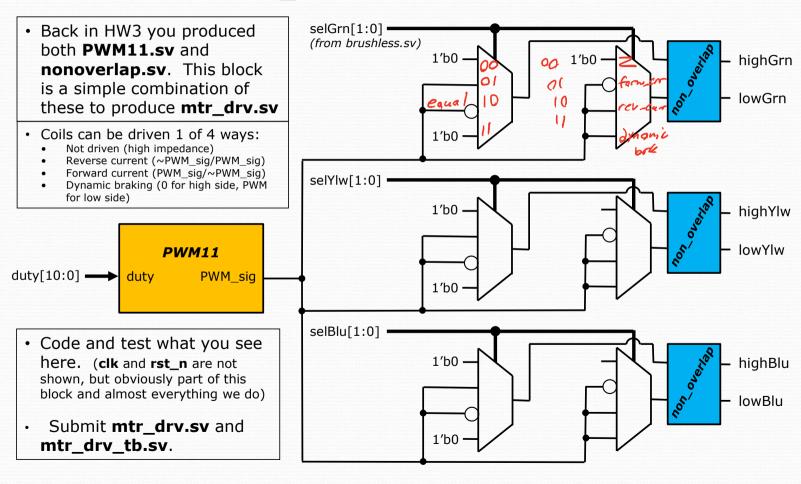
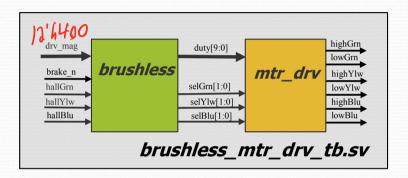
Exercise 13: mtr_drv.sv



(hint on testing next page)

Exercise 13: Testing mtr_drv.sv

- Consider this:
 - The outputs of **brushless.sv** feed the inputs to **mtr_drv.sv**.
 - Create a combined testbench brushless_mtr_drv_tb.sv that tests both units in combination.



{hallGrn,hallYlw,hallBlu}	Expected Output for Grn, Ylw, Blu given as high/low
101	$Grn = PWM/\sim PWM$, $Ylw = \sim PWM/PWM$, $Blu = 0/0$
100	$Grn = PWM/\sim PWM$, $Ylw = 0/0$, $Blu = \sim PWM/PWM$
110	$Grn = 0/0$, $Ylw = PWM/\sim PWM$, $Blu = \sim PWM/PWM$
010	$Grn = \sim PWM/PWM$, $Ylw = PWM/\sim PWM$, $Blu = 0/0$
011	$Grn = \sim PWM/PWM$, $Ylw = 0/0$, $Blu = PWM/\sim PWM$
001	$Grn = 0/0$, $Ylw = \sim PWM/PWM$, $Blu = PWM/\sim PWM$
000 or 111	Both high and low at 0 for all channels
brake_n == 1'b0	All high channels at 0. All low channels at PWM (75%)