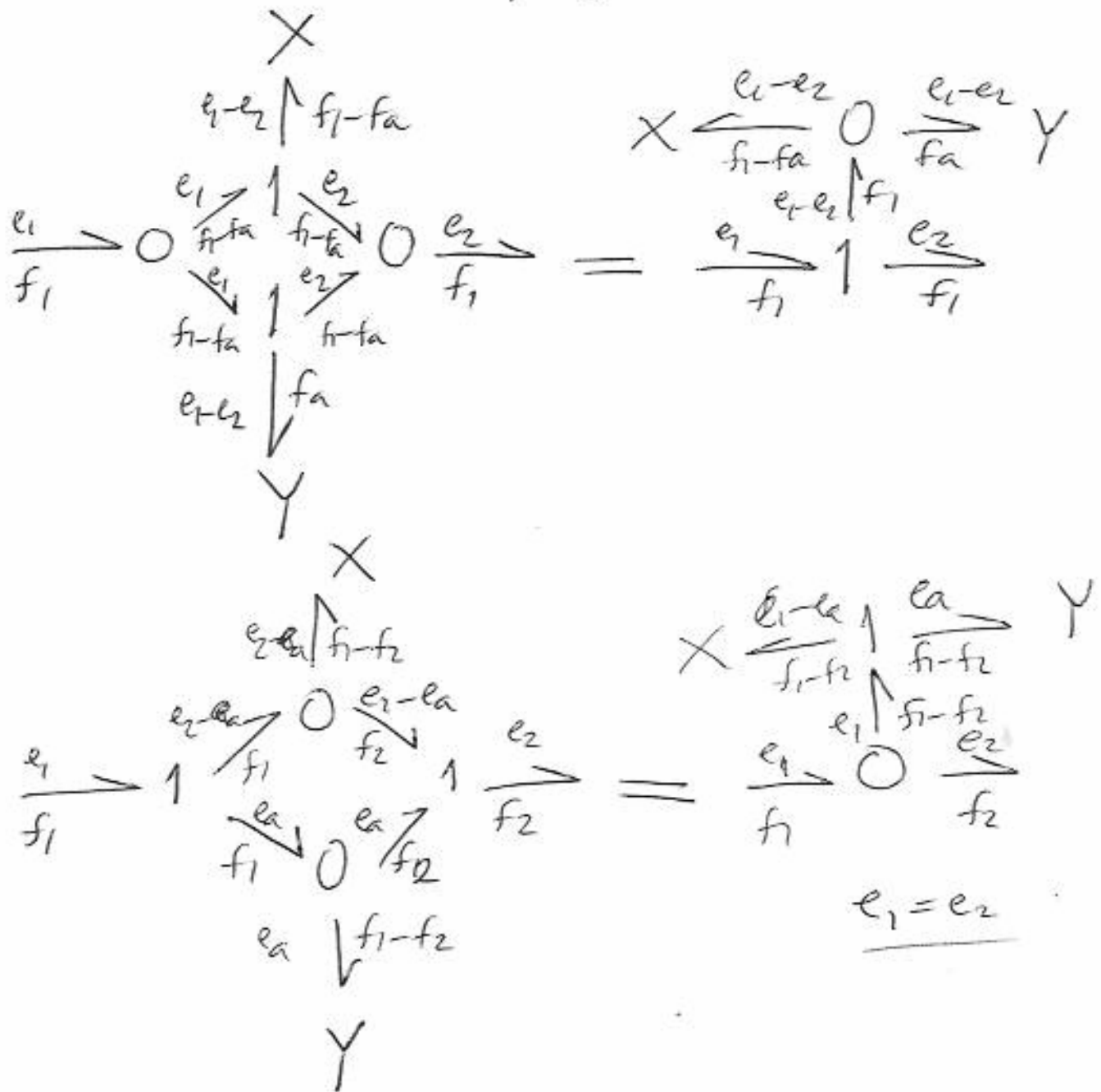


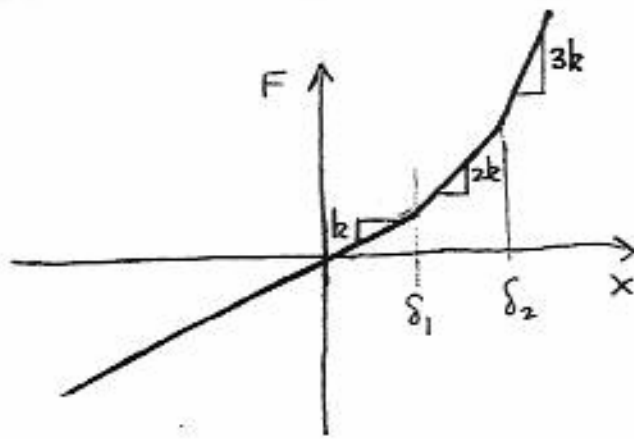
MCE 403/503 HW2 Spring'09 Solution



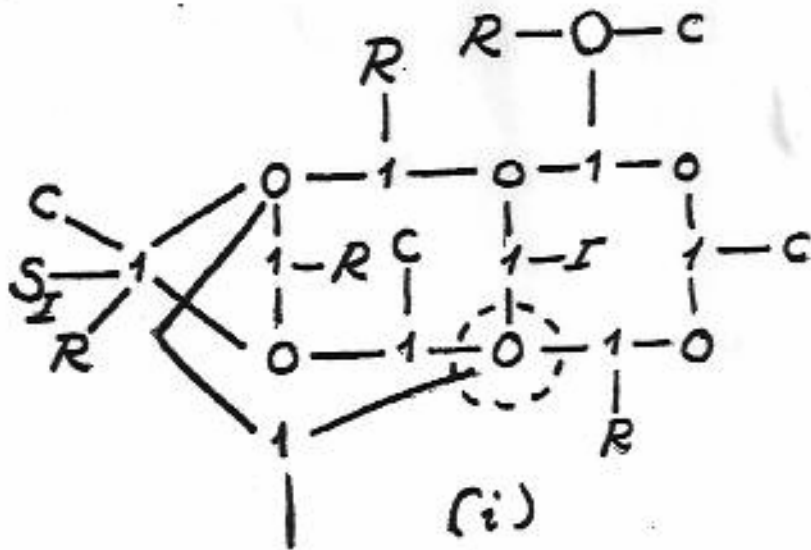
$$e_1 = e_2 - e_a + e_a = e_2$$

Since the overall input & output ports, as well as the variables at X and Y are the same, the graphs are equivalent.

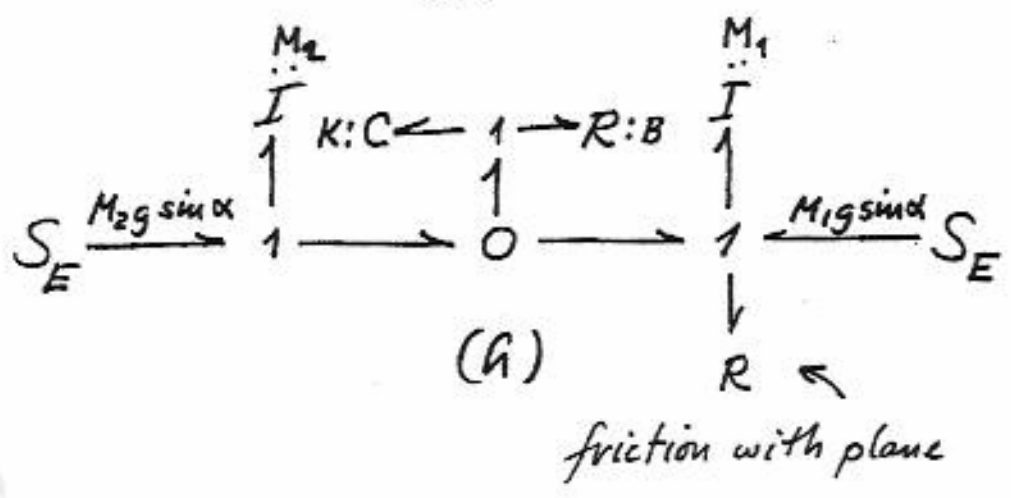
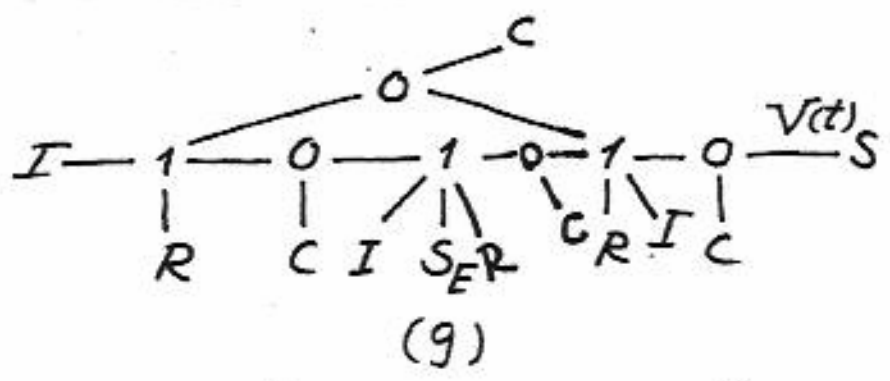
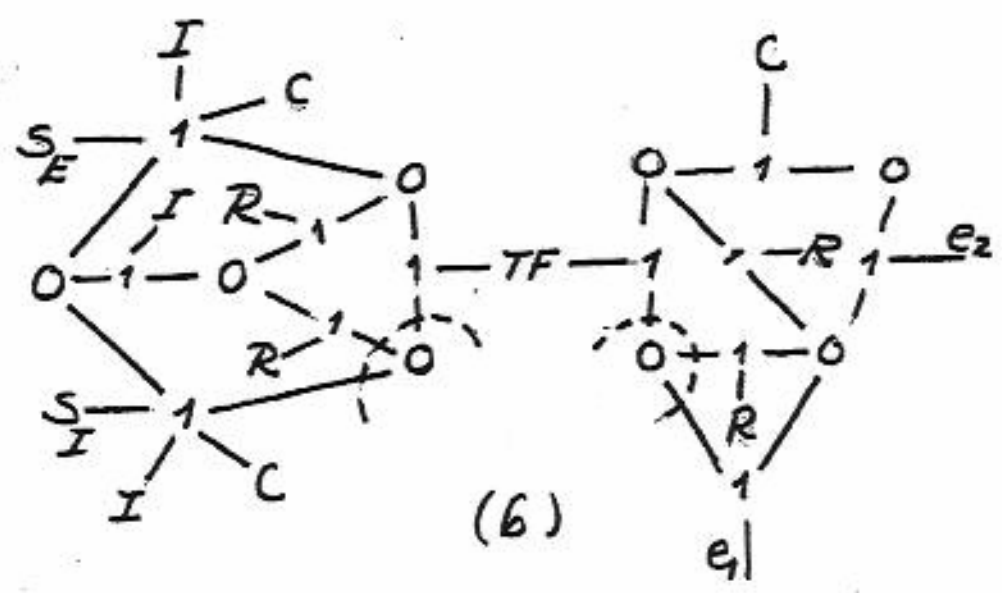
3.20



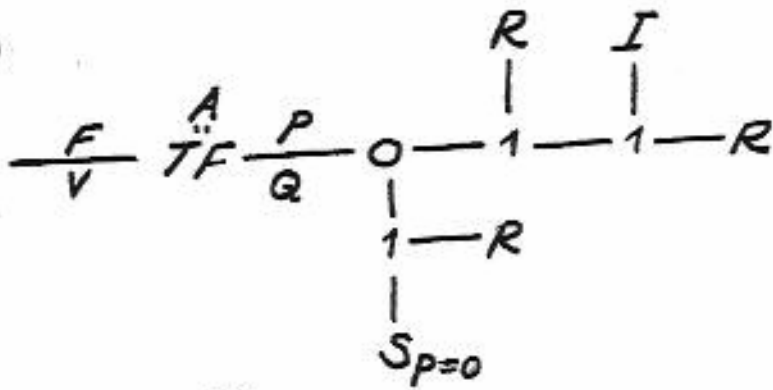
4-1



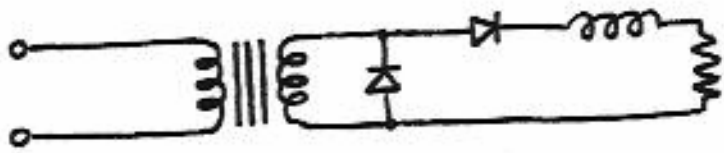
4-2



4-9



(a)



(b)