Spm 3 mnH Design a controller that gives the system: G(5)=10 S(5+1)(5+2) Un equal to or larger than Un for 665) Kv=10 PM > 45° GM > 10 db Lend controller Se python Script for bode plot af 6(5) a Lb therefore lend instead of Ing and PID D(5)= K. (3 + a) Choose a and b two decades apart because aptimal phase i) in between (3 rud(s) a=0.3, b=30, k=25 Trial and ervor v(v=1im 5.0(5).6(5) = 0.5 2-1(v not 10 as pr spec So we put lag controller 5+6 4>6 Krtotal = Kread · Kring b=0.0001 2- clase to DC Kowanier Port boot. 10 = 6.0.5 => a = 20.6 = 0.002 D(5) = 5+0.0001