Aughdon Brestin Patrick Miller I pleage my honor that I have abided by the Stevens Hovor System. HWY 1) Find gen sol to L[y]=y"-4y'+3y=2te using undet. coeff. [[y]=0 === mx m2-4m+3=0 - (m-3)(m-1)=0 - m=1,3 yc=c,et + c,e3t (At+B)et g(x)= atet yo=Ate+Bte+Bte+Bte+Ate+Ate+Bte+Bte "= 2Act + 2Ate + 2Ate + Ate + Bet + Bet + Bet + Bte = Ate + 4Ate + 2Aet + 2Be+ Bte Afte+ (4A+B)te+(2A+2B)e+-4 (Ate+ (2A+B)te+ BE+ + BE+ + 3 (Ate+ Bte+ ) = 2te+ (A-4A+3A) Ezt + (4A+B+8A-4B+3B) tet + (2A+2B-4B) et = 2tet () + (-4A) tet + (2A-2B)et = 2tet -4A=2 -> A=== 2A-2B=0 -> 2A=2B -> A=B -> B=== 





