F(5) = 4 + 13 + (5+3) $A = \frac{10(-1)}{(-112)^2 + 13} = \frac{10}{(1)(2)} = -5$, $B = \frac{10(-2)}{(-111)^2 (-2+3)} = \frac{20}{(-1)(1)} = \frac{20}{(-11)^2} = \frac{2$ $\frac{(-3+)(-3+z)}{(-3+)(-2)(-1)} = \frac{-36}{2} = -15$ F(s) = - (s+1) + (s+2) - (s+3) => f(+) = u(+) [-se+70e-1se] $F(s) = \frac{7s^{2} + 4s + 1}{(s+1)(s+2)^{3}} = \frac{4}{s+1} + \frac{8}{(s+2)^{3}} + \frac{1}{(s+2)^{3}} + \frac{1}{(s+$ $A = \frac{2-4+1}{1-1+2(3)} = \frac{-1}{1} = -1$, $B = \frac{1}{1} = -1 + \frac{1}{8} + \frac{1}{4} + \frac{1}{8}$ $\frac{5=-3}{(5)}\frac{18-17(1)}{[-7(1)-1]^{2}}=\frac{7}{2}=\frac{1}{2}+\frac{1}{2}+\frac{1}{2}+\frac{1}{2}+\frac{1}{2}=\frac{9}{8}$ $S = \frac{2+9+1}{5} = \frac{7}{59} = -\frac{1}{5} + \frac{3}{5} + \frac{5}{5} + \frac{1}{5} = \frac{17}{5} = \frac{17}$ B=-1, C=3, D=1 F(S) = - - - (S+2)3 + (S+2)2 + (S+2) => f(t)=a(t) -e-te+3te+e

#(5) = 4 + 51(5+1) + 522 = - 1 + 51(5+1) + 262 Stz (541) = 4 + (541) = - 5(5+2) + (541) = 10 = 14 Con 5=0 (2)(5) Con 5 = - 3 4,=15 4,=1/5 4-31-1) $H(5) = -\frac{1}{5(5+2)} + \frac{(5+1)}{3(5+1)^2+4} + \frac{2}{5(5+1)^2+4}$ n(t)= u(t) [-+ = t + + = t (oslzt) + = e sen(zt)

$$F(s) = \frac{8(s+1)(s+2)}{5(s+2)(s+q)} = \frac{4}{5} + \frac{1}{5} + \frac{1}{5}$$

$$F(S) = \frac{1}{(s+3)(s^2+4s+5)} = \frac{1}{(s+3)(s+2)} + \frac{1}{(s+2)(s+1)} +$$