





Styre: 
$$X_{p} = ?$$
 sol of  $X'' + 1x = 1$ 
 $J(t) = 1 = P_{0}(t) = > X_{p} = P_{0}(t) = K$ 
 $K'' + 17K = 1 \Rightarrow 17K = 1 \Rightarrow 17K = 1 \Rightarrow 17K = 1$ 

Styre:  $X = X_{k} + X_{p} = C_{1} \cdot Sin \cdot 2t + C_{2} \cdot Cos \cdot 2t + \frac{1}{4} - 2m \cdot sol. of$ 
 $X(0) = \frac{5}{4}$ 
 $X(0) = C_{1} \cdot Sin \cdot 0 + C_{2} \cdot Cos \cdot 0 + \frac{1}{4} = \frac{5}{4}$ 
 $X(0) = C_{1} \cdot Sin \cdot 0 + C_{2} \cdot Cos \cdot 0 + \frac{1}{4} = \frac{5}{4}$ 
 $X(0) = C_{1} \cdot Sin \cdot 0 + C_{2} \cdot Cos \cdot 0 + \frac{1}{4} = \frac{5}{4}$ 
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 $X(0) = C_{1} \cdot Sin \cdot 0 + C_{2} \cdot Cos \cdot 0 + \frac{1}{4} = \frac{5}{4}$ 
 $X(0) = C_{1} \cdot Sin \cdot 0 + \frac{1}{4} = \frac{5}{4} + \frac{1}{$ 









