

Computer Engineering
Mathematical Analysis
 $y'' = 0$
 $y = C_1 x + C_2$
 $y' = C_1$
 $y'' = 0$
 $y(0) = 1 \Rightarrow C_2 = 1$
 $y(1) = 2 \Rightarrow C_1 + 1 = 2 \Rightarrow C_1 = 1$
 $y = x + 1$
 $y' = 1$
 $y'' = 0$
 $y(0) = 1$
 $y(1) = 2$
 $y' = 1$
 $y'' = 0$
 $y = x + 1$
 $y' = 1$
 $y'' = 0$
 $y(0) = 1$
 $y(1) = 2$
 $y' = 1$
 $y'' = 0$
 $y = x + 1$

Let $y = e^{ax}$
 $y' = ae^{ax}$
 $y'' = a^2 e^{ax}$
 $a^2 e^{ax} = 0$
 $a^2 = 0$
 $a = 0$
 $y = C_1 x + C_2$
 $y(0) = 1 \Rightarrow C_2 = 1$
 $y(1) = 2 \Rightarrow C_1 + 1 = 2 \Rightarrow C_1 = 1$
 $y = x + 1$
 $y' = 1$
 $y'' = 0$
 $y(0) = 1$
 $y(1) = 2$
 $y' = 1$
 $y'' = 0$
 $y = x + 1$

$y'' = 0$
 $y = C_1 x + C_2$
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 $y = x + 1$
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 $y = x + 1$