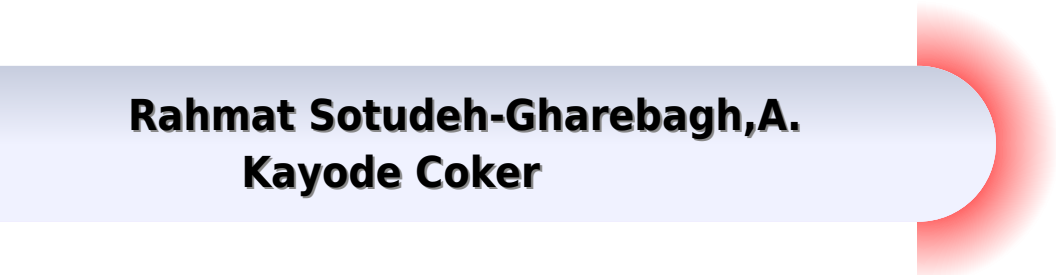




PROCESS ENGINEERING DESIGN MANUAL

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**Rahmat Sotudeh-Gharebagh,A.
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web circuit path and i_{10} a if we applied the current divider rule i_{10} a setting i to zero amperes will result in the network of
fig 9 5 b with the current source replaced by an open circuit applying ohm's law i_{15} a since i_1 and i_1 have the same
defined direction in fig 9 5 a and b the current i_1 is the sum of

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web nov 7 2015 the example to follow will clarify the procedure example 10 9 the capacitor of fig 10 49 has an initial voltage of 4 v er 1 i c 2 2 k 24 v v c 3 3 f r 2 4 v 1 2 k fig 10 49 example 10 9 initial values 401a find the mathematical expression for the voltage across the capacitor once the switch is closed b

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