## Answer on Question #45215, Physics, Electric Circuits

To get maximum current in a resistance of 3 ? one can use n rows of m cells connected in parallel. If the total no. of cells is 24 and the internal resistance of a cell is 0.5 then (a) m=12, n=2 (b) m=8, n=4 (c) m=2, n=12 (d) m=6, n=4

## Solution

Answer is (a) m= 12, n= 2 . Indeed if we have 12 cells in a row, resistance of one row is 6  $\Omega$ . Two such raw in parallel connection will give us 3  $\Omega$  resistance in total.