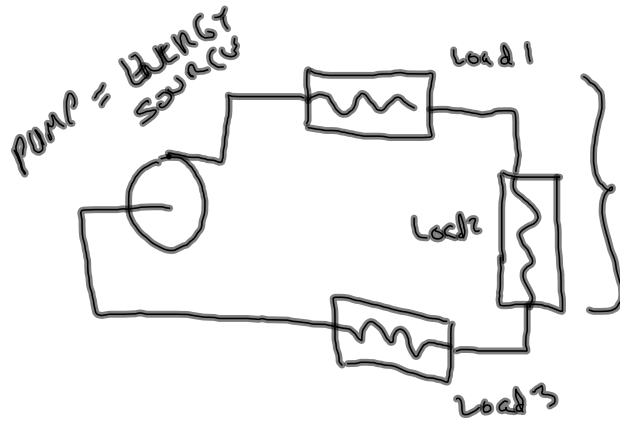
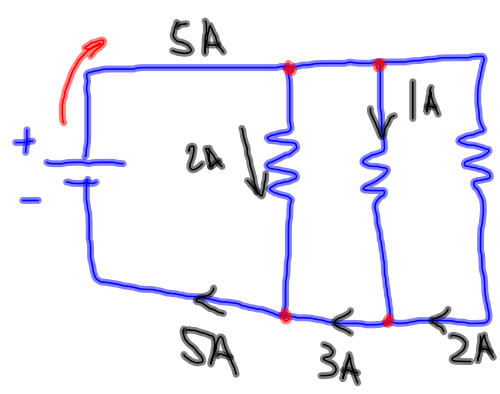


FLOW @ III = 5 GPM  
 " " II = 1 GPM  
 " " I = 2 GPM

WHAT GOES IN MUST COME OUT  
 → CONTINUITY  
 = CONSERVATION OF MASS  
 Parallel Arrangement of LO



SERIES ARRANGEMENT  
 of LOADS



$$1 \text{ AMPERE} = \left( \frac{\text{COULOMBS}}{\text{SEC}} \right)$$

→ INTERSECTIONS  
 of CONDUCTORS  
 = NODES.

### KIRCHHOFF'S CURRENT LAW (CONSERVATION OF CHARGE)

CURRENT INTO A NODE = CURRENT OUT of THAT NODE