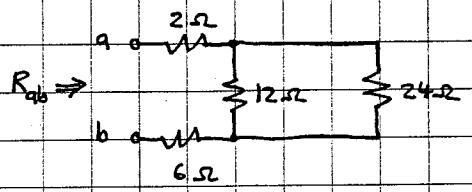
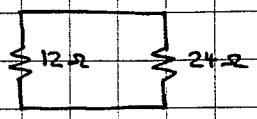


series and parallel R's

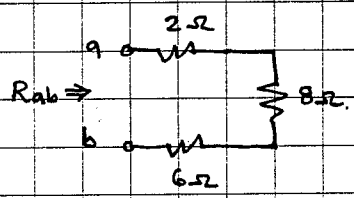
Find equivalent resistance R_{ab} looking into ab.

Soln:



$12\Omega \| 24\Omega = 12\Omega \cdot 1\|2 = 12\Omega \cdot \frac{1\cdot 2}{1+2}$

$= 12\Omega \cdot \frac{2}{3} = 8\Omega$



$R_{ab} = 2\Omega + 8\Omega + 6\Omega = 16\Omega$