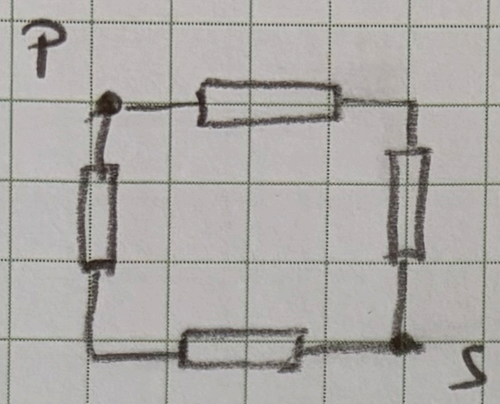
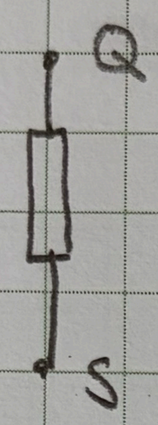
25 By taking subsections of the circuit, we can say: (Let each resistor $= 1\Omega$)



$PS < 1\Omega$

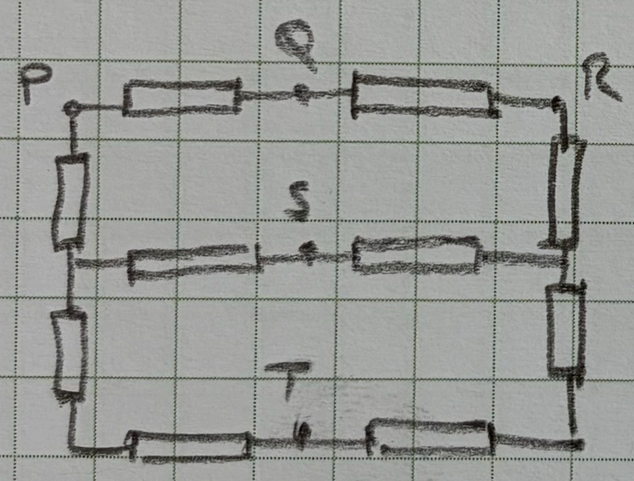


$QS < 1\Omega$

PU are the farthest points, so cannot be the median, (and is the largest).

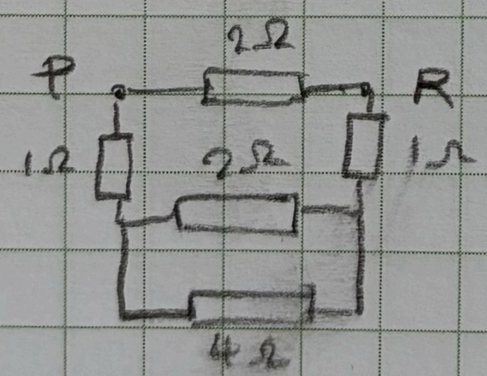
So we need to check PR & QT.

PR:



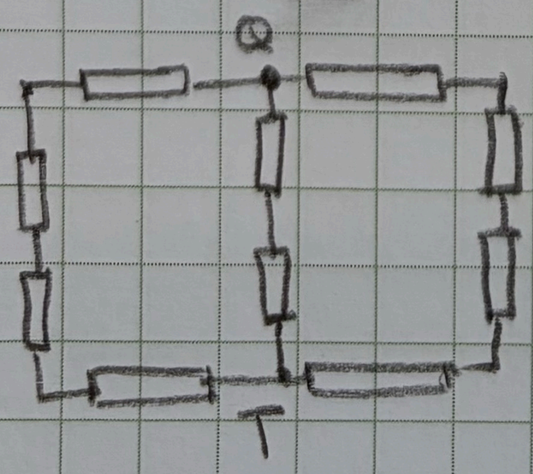
By symmetry, P, S, T are at half the potential between P & R, so no current flows

$\Rightarrow$



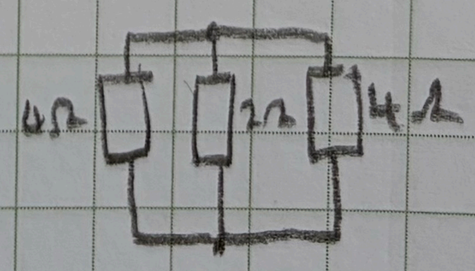
$\therefore PR = 1.25\,\Omega$

QT:



Likewise we can simplify:

$\Rightarrow$



$\therefore QT = 1\,\Omega$ and is the median.