V_{Th}

$20V$

100Ω

a
$+$

150Ω $V_{Th} = \dfrac{150}{250} \times 20 = 12V$

b
$-$

R_{Th}

100Ω

a

$s.c.$

150Ω $R_{Th} = \dfrac{100 \times 150}{250} = 60\Omega$

b