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## Nesbitt's inequality

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Nesbitt's inequality says, that for positive real  $a$ ,  $b$  and  $c$  we have:

$$\frac{a}{b+c} + \frac{b}{a+c} + \frac{c}{a+b} \geq \frac{3}{2}.$$

This is a special case of Shapiro's inequality.