

$$\frac{1}{a} - \frac{1}{b+c}$$

$$\frac{1}{a} + \frac{1}{b+c}$$

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$$\left(\begin{array}{c} 1 \\ 1 \end{array} + \begin{array}{c} b^2+c^2-a^2 \\ 2bc \end{array} \right)$$

:

$$\begin{array}{c} a-b-c \\ abc \end{array} \cdot \begin{array}{c} \frac{(b+c)}{a(b+c)} - \frac{1}{a} \\ \frac{(b+c)}{a(b+c)} + \frac{1}{a} \end{array}$$

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$$\begin{array}{c} b^2+c^2-a^2+2bc \\ 2bc \end{array}$$

:

$$\begin{array}{c} a-b-c \\ abc \end{array}$$

$$\frac{(b+c-a)}{a(b+c)}$$

$$\frac{(b+c+a)}{a(b+c)}$$

*

$$\begin{array}{c} b^2+c^2-a^2+2bc \\ 2bc \end{array}$$

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$$\begin{array}{c} abc \\ a-b-c \end{array} \cdot \begin{array}{c} b+c-a \\ b+c+a \end{array}$$

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$$\begin{array}{c} b^2+c^2-a^2+2bc \\ 2bc \end{array}$$

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$$\begin{array}{c} abc \\ a-b-c \end{array}$$

$$\frac{a}{b} \cdot \frac{c}{a} = \frac{c}{b} \quad ; \quad \frac{c}{a} = \frac{a}{c} \cdot \frac{c}{a} = \frac{a}{c}$$

$$(b^2+c^2-a^2+2bc)(b+c-a)(abc)$$

$$(2bc)(b+c+a)(a-b-c)$$

$$(b^2+c^2-a^2+2bc)(-1)(-b-c+a)(abc)$$

$$(2bc)(b+c+a)(a-b-c)$$

$$(b^2+c^2-a^2+2bc)(-a)$$

$$2(b+c+a)$$

$$((b+c)^2-a^2)(-a)$$

$$2(b+c+a)$$

$$(b+c+a)(b+c-a)(-a)$$

$$2(b+c+a)$$

$$(b+c-a)(-a)$$

$$2$$

$$(a-b-c)a$$

$$2$$