

# LATEX PRACTICE

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Math AoPS

5.35)

$$ab = 2(a + b)$$

$$a = \frac{2(a+b)}{b}$$

$$b = \frac{2(a+b)}{a}$$

$$\frac{1}{a} + \frac{1}{b} = \frac{1}{\frac{2(a+b)}{b}} + \frac{1}{\frac{2(a+b)}{a}} = \frac{b}{2(a+b)} + \frac{a}{2(a+b)}$$

$$\frac{1}{a} + \frac{1}{b} = \frac{a+b}{2(a+b)} = \frac{1}{2}$$