

LATEX PRACTICE

RAUL VILLALOBOS

Math AoPS
5.35)
$$ab = 2(a + b)$$
$$a = \frac{2(a+b)}{b}$$
$$b = \frac{2(a+b)}{a}$$
$$\frac{1}{a} + \frac{1}{b} = \frac{1}{\frac{2(a+b)}{b}} + \frac{1}{\frac{2(a+b)}{a}} = \frac{b}{2(a+b)} + \frac{a}{2(a+b)}$$
$$\frac{1}{a} + \frac{1}{b} = \frac{a+b}{2(a+b)} = \frac{1}{2}$$