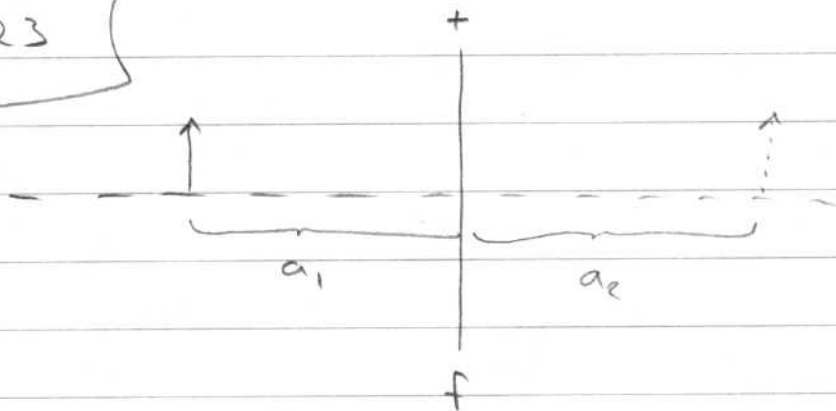


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$$\begin{cases} a_1 = 45 \text{ cm} \\ a_2 = +90 \text{ cm} \end{cases}$$

$$f = ?$$

$$\text{Gauss : } \frac{1}{a_1} + \frac{1}{a_2} = \frac{1}{f}$$

$$\frac{1}{f} = \frac{1}{45} \left(1 + \frac{1}{2} \right) = \frac{3}{90}$$

$$\Rightarrow f = \frac{90}{3} = +30 \text{ cm}$$