



!1 → Skel

$$\frac{300}{V} = \frac{300}{1.25V} + \frac{1}{2}$$

$$\frac{300}{V} = \frac{600 + 1.25V}{2.5V}$$

$$750V = 600V + 1.25V^2$$

$$\boxed{V = 120}$$

3	√	5	
300	√	$\frac{300}{V}$	100
300	1.25V	$\frac{300}{1.25V}$	110
$\frac{Vt}{60}$	V	$\frac{t}{60}$	100
$300 - \frac{Vt}{60}$	V-10	$\frac{300 - \frac{Vt}{60}}{V-10}$	

$$2.5 + \frac{10}{60} = \frac{t}{60} + \frac{300 - 2t}{110}$$

$$2.5 + \frac{10-t}{60} = \frac{300-2t}{110}$$

$$\frac{150 + 10 - t}{60} = \frac{300 - 2t}{110}$$

$$17,600 - 110t = 18,000 - 120t$$

$$10t = 400$$

$$\boxed{t = 40}$$