

$10a + b - (Va + b) = Pa = 12$ $a = 7$ $4a + b - (a + b) = 3a$ $\frac{Pa}{3a} = \frac{12}{21}$ $\frac{12}{21}$	6
$Pa + b = 12$ $Pa + b = 12$ $a + b = 7$ $Pa + b = 11$ $Pa = 11$ $a = 7$ $a + b = 7$ $Pa + b = 11$ $a = 11$ $b = -4$ $b_n = 11n - 4$	7
$\frac{P}{Q} > \frac{4}{V} > \frac{1}{9} \Rightarrow t_n = \frac{Pn - 1}{Pn + 1}$ $t_n < \frac{P}{V} \Rightarrow \frac{Pn - 1}{Pn + 1} < \frac{P}{V} \Rightarrow 11n - 1 < 4n + 9 \Rightarrow 7n < 10$ $n = 1, 2, 3, 4, 5$	8
$t_n = \frac{4, 9, 9, 7}{-1, -1, -1, -1}$ $\frac{1}{V} n^2 + bn \Rightarrow -\frac{P}{V} n^2 + bn \Rightarrow n_1 = -\frac{P}{V} + b = 7$ $A = -1, 1 \quad b = \frac{1}{V}, 1$ $7V, 1 - (-1, 1) = (8, 2)$	9
	10