

$x-d \quad x-d \quad x \quad x+d \quad x+d$ $t_1 + t_2 + t_3 + t_4 + t_5 = \frac{1}{r} (t_2 + t_3 + t_4 + t_5 + t_{10})$ $\frac{t_2}{t_1} = ?$ $\delta x = \frac{\delta x}{r} + \frac{r \delta}{r} d$ $\frac{\log x}{r} = \frac{r \delta}{r} d \quad x = r \delta d \quad \frac{t_2}{t_1} = \frac{r \delta d - d}{r \delta d - r d} = \frac{1 \delta d}{0 \delta d} = r$	6
$t_n = t_n - r d + 1 \delta$ $r d = 1 \delta \quad d = \delta$ $\frac{t_9^r - t_0^r}{t_v} = \frac{(t_9 - t_0)(t_9 + t_0)}{t_v} = 1 d = 1 \times \delta = r_0$	7
$d = \frac{b-a}{n+1} = \frac{r + \sqrt{r} - r(1 - \sqrt{r})}{1r} = \frac{r + \sqrt{r} - r + r\sqrt{r}}{1r} = \frac{r\sqrt{r}}{1r} = \sqrt{r}$	8
$d = \frac{r_0 - r}{r_0 n - r + 1} = \frac{r_0}{r_0 n - r}$ $\frac{r_0}{r_0 n - r} = \frac{9}{n}$ $d = \frac{11 - r}{n} = \frac{9}{n}$ $r_0 n = r_0 n - 11$ $4n = 11 \quad n = r$	9
$t_n + t_{n+r} = t_r + t_{1/r}$ $t_n = r t_{\frac{n}{r}}$ $t_n = r t_r$ $t_r = 0$ $a + r d = r(a + r d) \Rightarrow a + r d = r a + r^2 d$ $r a = -r d \Rightarrow d = -a$ $t_n = a + (n-1)d = 0$ $a + (n-1)(-a) = 0$ $a - a n + a = 0 \quad r a - a n = 0 \Rightarrow n = r$	10