

$a_n = r + r(n-1)$ $b_n = r + r(n-1)$ $t_n = a + s(n-1)$ $a_{r_1} = r + r\lambda = r1$ $b_{r_1} = r + r\lambda = r1$ $a + s_n - s \leq r1$ $s_{n-1} \leq r1$ $s_n \leq r1$ $\underline{u \leq v}$	✓
$a_1 + a_r + a_p = r1 \Rightarrow r a_1 + r d = r1$ $a_1 + a_p + a_s = 100 \Rightarrow r a_1 + s d = 100$	✓ 1100
$a_r - a_p + a_1 = a_1 + r d - (a_1 + d) + a_1 = a_1 + d$ $\frac{a_1 + d}{a_1} = \frac{r1 + r\lambda}{r1} = \frac{r\lambda}{r1} = \frac{r}{r}$	✓
$a_1 + a_r + a_p = 100 \Rightarrow r a_1 + r d = 100$ $a_f + a_s = r\lambda \Rightarrow r a_1 + v d = r\lambda$ $100d = r\lambda$ $d = r$ $a = r$ $a_1 = a_1 + q d = r + r(9) = r10$	✓
$s_q = \frac{q}{r} (r a_1 + r d) = q \left(\frac{r}{r} (r a_1 + r d) \right) \Rightarrow r a_1 + r d = r (r a_1 + r d)$ $\Rightarrow r a_1 + r d = s a_1 + s d$ $r d = s a_1$ $d = r a_1$	✓
$\frac{a_r}{a_v} = \frac{a_1 + 19d}{a_1 + 9d} = \frac{a_1 + r\lambda a_1}{a_1 + 19a_1} = \frac{r\lambda a_1}{19a_1} = r$ $a_1 = 11$ $a_v = r\lambda$ $a_v = a_1 + s d = 11 + s d = r\lambda \Rightarrow d = r$ $a_f = a_1 + r d = 11 + 1r = r1$ $b_1 = r\lambda$ $d = \frac{1r - r\lambda}{n+1}$ $d = \frac{r1 - r\lambda}{r} = -\frac{10}{r} = -10$ $\frac{1r - r\lambda}{n+1} = -10$ $-r\lambda = -10n - 10 \Rightarrow n = r$	✓