

Annuity-due	$\ddot{a}_{\overline{n} }$	$1 + v + v^2 + \dots + v^{n-1} = \frac{1-v^n}{d}$
Annuity-immediate	$a_{\overline{n} }$	$v + v^2 + \dots + v^n = \frac{1-v^n}{i}$
Continuous annuity	$\bar{a}_{\overline{n} }$	$\int_0^n v^t dt = \frac{1-v^n}{\delta}$
Annuity-due with 1/mthly payments	$\ddot{a}_{\overline{n} }^{(m)}$	$\frac{1}{m} \left(1 + v^{\frac{1}{m}} + v^{\frac{2}{m}} + \dots + v^{n-\frac{1}{m}} \right) = \frac{1-v^n}{d^{(m)}}$
Annuity-immediate with 1/mthly payments	$a_{\overline{n} }^{(m)}$	$\frac{1}{m} \left(v^{\frac{1}{m}} + v^{\frac{2}{m}} + \dots + v^n \right) = \frac{1-v^n}{i^{(m)}}$