

4. Given a two decrement model with $p'_{60}{}^{(1)} = p'_{60}{}^{(2)} = 0.80$ and $p'_{61}{}^{(1)} = p'_{61}{}^{(2)} = 0.75$, if each decrement is UDD in its associated single decrement model, determine ${}_{1.3}q_{60}^{(1)}$.

5. For a triple decrement table where decrement 2 and decrement 3 are each UDD in their associated single decrement tables, and decrement 1 is EOY, given $q_x^{(j)} = 0.2j$ for $j = 1, 2$, and 3 , determine $q_x^{(1)}$, $q_x^{(2)}$, and $q_x^{(3)}$.