MIS8: Multiple Decrement Models (Single-lines)
(Traditional)

\[ T_x = \text{rur time until departure of } (x) \]
\[ J = \text{rur male of departure (which door)} \]
\[ nq^{(i)}_{x} = \Pr[(x) \text{ departs within } n \text{ years by decrement } i] \]
\[ nq^{(i)}_{x} \text{ not used, since there's no good way to define it.} \]

"total" =
\[ nq^{(e)}_{x} = \Pr[(x) \text{ departs within } n \text{ years for any reason}] \]
\[ np^{(e)}_{x} = \Pr[(x) \text{ survives all decrements for } n \text{ years}] \]
\[ = 1 - nq^{(e)}_{x} \]