

5.2.0

Q9

$$V(t) = 120(1 - 0.95^t)$$

when $t=0$

$$\begin{aligned} V(t) &= 120(1-1) \\ &= 120(0) \\ &= 0 \end{aligned}$$

when $t \rightarrow \infty$

$$\begin{aligned} \lim_{t \rightarrow \infty} V(t) &= 120(1-0) \\ &= 120(1) \\ &= 120 \end{aligned}$$

