$$S(t) = \int v(t) dt = \int (e^{t} + 4) dt = e^{t} + 4t + C$$

$$s(t) = e^{t} + 4t + C$$

 $s(s) = 2$

$$s(t) = e^{t} + 4t + C$$

$$s(n) = e^{0} + 4 \cdot 0 + C = 2$$

$$s(n) = 1 + 0 + C = 2$$

$$|C = 1|$$