98. For a life age 30, it is estimated that an impact of a medical breakthrough will be an increase of 4 years in $\mathring{e}_{30}$, the complete expectation of life.

Prior to the medical breakthrough, $S_0(t) = 1 - \frac{t}{100}, 0 \le t \le 100$.

After the medical breakthrough, $S_0(t) = 1 - \frac{t}{\omega}, 0 \le t \le \omega$.

Calculate ω.

(A) 104

(B) 105

(C) 106

(D) 107

(E) 108