

68. For a mortality study of insurance applicants in two countries, you are given:

(i)

	Country A		Country B	
t_i	S_j	r_j	S_j	r_j
1	20	200	15	100
2	54	180	20	85
3	14	126	20	65
4	22	112	10	45

(ii) r_j is the number at risk over the period (t_{i-1}, t_i) . Deaths, S_j , during the period (t_{i-1}, t_i) are assumed to occur at t_i .

(iii) $S^T(t)$ is the Product-Limit estimate of $S(t)$ based on the data for all study participants.

(iv) $S^B(t)$ is the Product-Limit estimate of $S(t)$ based on the data for study participants in Country B.

Determine $|S^T(4) - S^B(4)|$.

(A) 0.06

(B) 0.07

(C) 0.08

(D) 0.09

(E) 0.10