

117. For an industry-wide study of patients admitted to hospitals for treatment of cardiovascular illness in 1998, you are given:

(i)

Duration In Days	Number of Patients Remaining Hospitalized
0	4,386,000
5	1,461,554
10	486,739
15	161,801
20	53,488
25	17,384
30	5,349
35	1,337
40	0

(ii) Discharges from the hospital are uniformly distributed between the durations shown in the table.

Calculate the mean residual time remaining hospitalized, in days, for a patient who has been hospitalized for 21 days.

(A) 4.4

(B) 4.9

(C) 5.3

(D) 5.8

(E) 6.3