**267.** You are given:

(i) The annual number of claims for an individual risk follows a Poisson distribution with mean $\lambda$.

(ii) For 75% of the risks, $\lambda = 1$.

(iii) For 25% of the risks, $\lambda = 3$.

A randomly selected risk had $r$ claims in Year 1. The Bayesian estimate of this risk's expected number of claims in Year 2 is 2.98.

Determine the Bühlmann credibility estimate of the expected number of claims for this risk in Year 2.

(A) Less than 1.9

(B) At least 1.9, but less than 2.3

(C) At least 2.3, but less than 2.7

(D) At least 2.7, but less than 3.1

(E) At least 3.1