227. For a fully discrete 2-year term insurance of 1 on (x):

(i) $q_x = 0.1 \quad q_{x+1} = 0.2$

(ii) $v = 0.9$

(iii) K_x is the curtate future lifetime of (x).

(iv) ${}_1L$ is the prospective loss random variable at time 1 using the premium determined by the equivalence principle.

Calculate $\text{Var}\left({}_1L \middle| K_x > 0\right)$.

(A) 0.05

(B) 0.07

(C) 0.09

(D) 0.11

(E) 0.13