

**283.** The annual number of doctor visits for each individual in a family of 4 has a geometric distribution with mean 1.5. The annual numbers of visits for the family members are mutually independent. An insurance pays 100 per doctor visit beginning with the 4<sup>th</sup> visit per family.

Calculate the expected payments per year for this family.

(A) 320

(B) 323

(C) 326

(D) 329

(E) 332