

168. For an insurance:

- (i) Losses can be 100, 200 or 300 with respective probabilities 0.2, 0.2, and 0.6.
- (ii) The insurance has an ordinary deductible of 150 per loss.
- (iii) Y^P is the claim payment per payment random variable.

Calculate $\text{Var}(Y^P)$.

- (A) 1500
- (B) 1875
- (C) 2250
- (D) 2625
- (E) 3000