Question 1: The method of loop invariants is used to prove ______ of a loop with respect to certain pre and post-conditions.

falseness



correctness

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Question 2: Let $X = \{2, 4, 5\}$ and $Y = \{1, 2, 4\}$ and R be a relation from X to Y defined by R = $\{(2,4), (4,1), (a,2)\}$. For what value of 'a' the relation R is a function?



None of the given options