

Types of Relations

Fill in the blanks:

1. Let R be a relation on $A = \{0, 1, 5\}$ such that $R = \{(0, 0), (5, 5)\}$. R is
(reflexive/ not reflexive)
2. Let R be a relation on $A = \{0, 1, 5\}$ such that $R = \{(0, 0), (5, 5), (1, 1)\}$. R is
(reflexive/ not reflexive)
3. Let R be a relation on $A = \{0, 1, 5\}$ such that $R = \{(0, 0), (5, 5), (1, 1)\}$. R is
(symmetric/ not symmetric)
4. Let R be a relation on $A = \{0, 1, 5\}$ such that $R = \{(0, 0), (5, 5), (1, 1), (1, 0)\}$. R is
(symmetric/ not symmetric)
5. Let R be a relation on $A = \{0, 1, 5\}$ such that $R = \{(0, 0), (5, 5), (1, 1)\}$. R is
(transitive/ not transitive)