





Equivalence Relation 1,2,3,4 Riga | wells any set containing 2n+3 elements, then the number of subsets having more than n+1 elements are (a) 2²ⁿ (b) 2^{n-1} (d) 2^n Let A and B be any two sets having 11 elements in (a) 11 (c) 10 3. The Relation defined on the set A= {-3, -2,1,2} by $R = \{(x, y): |x-y| \le 5\}$ is given by (a) {(-3,-2),(-3,1),(-3,2),(-2,1)} (b) {(-2,1),(-3,-2),(1,2)} (c) {(2,2),(1,1),(1,-3),(-2,-3)} (d) None of these Choose the correct statement: No Election (a) Every irreflexive relation on a set A is Symmetric. (b) Every irreflexive relation on a set A is always anti (c) Empty set on any set is always an equivalence relation Every Asymmetric relation is irreflexive. 5. If A is any non-empty set with the cardinality "n" then the number of Asymmetric relation is $(a)2^n$ (b) 3^n $(c)^{3(n(n-1))/2}$ (d) 3^{n-1} 6. Let A = $\{1,2\}$, then Relation S= $\{(1,1), (1,2)\}$ is (a) Reflexive (b) Irreflexive ~ (c) Symmetric > (d) Neither reflexive nor irreflexive



