







: $P(A) = \{\{\}, \{2\}, \{3\}, \{7\}, \{9\}, \{2,3\}, \{2,7\}, \{2,9\}, \{3,7\}, \{3,9\}, \{7,9\}, \{2,3,7\}, \{2,7,9\}, \{2,3,7\}, \{2,3,7\}, \{2,3,9\}, \{2,3,7,9\}, \{2,3,7,9\}\}$ The lower Set of A will have 24 = 16 elements. The number of element in set A is written as |A|, if A have n element then $|P(A)| = |2^n|$. size meaning the number of element in a set. The cardinality of set is denoted by IAI where A is firite set. $2000mple: -A = \{1, 2, 3, 4\}$ B = {a,b,c,d,e,f,g,h,i,j,k}

