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| **Program No.** | **Program Topic** | **Program Title** | **Page No** |
| 1 | The Foundations:  Logic and Proof | Given two bit strings of length n, find the bitwise AND, bitwise OR and bitwise XOR of these strings. | 01 |
| 2 | The Foundations: Logic and Proof | Given two set A and B, a proposition p(x,y) where x ε A and y ε B, Find the propositional value of  ∀ ∀ *p* ( *x* , *y* ) *x y,* ∀∃ *p* ( *x* , *y* ) *x y,* ∃ ∀ *p* ( *x* , *y* ) *x y,* ∃ ∃ *p ( x , y ) x y.* | 02 |

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