



Assignment C

- 1) Express the following functions in sum-of-product and product-of-sum forms
 - a. $F(A, B, C) = \sum(1, 2, 6)$
 - b. $F(X, Y, Z) = \pi(2, 5, 6)$

- 2) Given that $F(A, B, C) = AB'C + AC'$ then
 - a. Express F in terms of Sum of its minterms as $F(A, B, C) = \sum(\dots)$
 - b. Express F in terms of product of its maxterms as $F(A, B, C) = \pi(\dots)$
 - c. Express F' in terms of Sum of its minterms as $F'(A, B, C) = \sum(\dots)$
 - d. Express F' in terms of product of its maxterms as $F'(A, B, C) = \pi(\dots)$