1 QUESTION

The Boolean expression F(X,Y,Z) = $(\overline{X}Y\overline{Z}) + (X\overline{YZ}) + (XY\overline{Z}) + (X + Y + Z)$converted into the canonical product of sum (POS) form is

2 ANSWER

$(\overline{X}Y\overline{Z}) + (X\overline{YZ}) + (XY\overline{Z}) + (XYZ) = (X + Y + Z)(X + Y + \overline{Z}) + (X + \overline{Y} + \overline{Z})(\overline{X} + Y + \overline{Z}) = F$

2.1 COMBINATIONAL CIRCUIT