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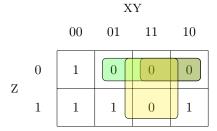
The boolean expression $F(X,Y,Z)=\overline{X}Y\overline{Z}+X\overline{Y}\overline{Z}+XY\overline{Z}+XYZ$ converted into the canonical product of sum(POS) form is

2 answer

2.1 k-map

XY

		00	01	11	10
	0	1	0	0	0
Z	1	1	1	0	1

from the k-map Product of Sum(POS) for the question is $F=(X+Y)(\overline{Z}+Y)(\overline{Z}+X)$