FWC-1 Assignment -1

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Derive a Canonical POS expression for a Boolean function F, represented by the following truth table :

P	Q	R	F(P, Q, R)
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	1
1	1	1	1

Answer:
F= P,Q,R(0,3,4,5)= (P+Q+R)*(P+Q'+R')*(P'+Q+R)*(P'+Q+R') is the canonical POS form for the given Boolean function.