a) (0,1,3)

$Sop = (\bar{A} \cdot \bar{B}) + (\bar{A} \cdot B) + (A \cdot B)$

(2)

$Pos = (\bar{A} + B)$

b) (0,2)

$Sop = (\bar{A} \cdot \bar{B}) + (A \cdot \bar{B})$

(1,3)

$Pos = (A + \bar{B}) \cdot (\bar{A} + \bar{B})$

c) (0,3,4,5,6)

$Sop = (\bar{A}\bar{B}\bar{C}) + (\bar{A} \cdot B \cdot \bar{C}) + (A\bar{B}\bar{C}) + (A\bar{B}C) + (AB\bar{C})$

(1,2,7)

$Pos = (A + B + \bar{C}) \cdot (A + \bar{B} + C) \cdot (\bar{A} + \bar{B} + \bar{C})$

d) $(0,2,3,4,6)$

$S_{op} = (\bar{A}\bar{B}\bar{C}) + (\bar{A}B\bar{C}) + (\bar{A}BC) + (A\bar{B}\bar{C}) + (AB\bar{C})$

$(1,5,7)$

$P_{os} = (A+B+\bar{C}) \cdot (\bar{A}+B+\bar{C}) \cdot (\bar{A}+\bar{B}+\bar{C})$

e) $(0,1,3,4,6,8,10,11,14,15)$

$S_{op} = (\bar{A}\bar{B}\bar{C}\bar{D}) + (\bar{A}\bar{B}\bar{C}D) + (\bar{A}B\bar{C}D) + (\bar{A}B\bar{C}\bar{D}) + (\bar{A}BC\bar{D}) + (A\bar{B}\bar{C}\bar{D}) + (A\bar{B}C\bar{D}) + (A\bar{B}CD) + (AB\bar{C}\bar{D}) + (ABCD)$

$(2,5,7,9,12,13)$

$P_{os} = (A+B+\bar{C}+D) \cdot (A+\bar{B}+C+\bar{D}) \cdot (A+\bar{B}+\bar{C}+\bar{D}) \cdot (\bar{A}+B+C+\bar{D}) \cdot (\bar{A}+\bar{B}+C+D) \cdot (\bar{A}+\bar{B}+C+\bar{D})$