04)
a) F (X,Y,Z) = π M (2, 3, 5, 7)

m	x y z	maxtermos	PoS (2, 3, 5, 7)
0	000	x+y+z	1
1	001	x+y+z'	1
2	010	x+y'+z = m2	0
3	011	x+y'+z' = m3	0
4	100	x'+y+z = m5	0
5	101	x'+y+z'	1
6	110	x'+y'+z	1
7	111	x'+y'+z' = m7	0

b) F (X,Y,Z) = π M (0, 2, 3, 5, 6)

m	x y z	maxtermos	PoS (0, 2, 3, 5, 6)
0	000	x+y+z = m0	0
1	001	x+y+z'	1
2	010	x+y'+z = m2	0
3	011	x+y'+z' = m3	0
4	100	x'+y+z = m5	0
5	101	x'+y+z'	1
6	110	x'+y'+z = m6	0
7	111	x'+y'+z'	1

c) F (X,Y,W,Z) = π M (0, 1, 2, 4, 7, 8, 12, 13)

m	x y w z	minitermos	PoS(0, 1, 2, 4, 7, 8, 12, 13)
0	0000	x+y+w+z = m0	0
1	0001	x+y+w+z' = m1	0
2	0010	x+y+w'+z = m2	0
3	0011	x+y+w'+z'	1
4	0100	x+y'+w+z = m4	0
5	0101	x+y'+w+z'	1
6	0110	x+y'+w'+z	1
7	0111	x+y'+w'+z' = m7	0
8	1000	x'+y+w+z = m8	0
9	1001	x'+y+w+z'	1
10	1010	x'+y+w'+z	1
11	1011	x'+y+w'+z'	1
12	1100	x'+y'+w+z = m12	0
13	1101	x'+y'+w+z' = m13	0

d) F (X,Y,W,Z) = π M (0, 2, 4, 5, 9, 11, 13)

m	x y w z	minitermos	PoS (0, 2, 4, 5, 9, 11, 13)
0	0000	x+y+w+z = m0	0
1	0001	x+y+w+z'	1
2	0010	x+y+w'+z = m2	0
3	0011	x+y+w'+z'	1
4	0100	x+y'+w+z = m4	0
5	0101	x+y'+w+z' = m5	0
6	0110	x+y'+w'+z	1
7	0111	x+y'+w'+z'	1
8	1000	x'+y+w+z	1
9	1001	x'+y+w+z' = m9	0
10	1010	x'+y+w'+z	1
11	1011	x'+y+w'+z' = m11	0
12	1100	x'+y'+w+z	1
13	1101	x'+y'+w+z' = m13	0

e) F (X,Y,W,Z) = π M (0, 1, 2, 5, 6, 12, 14)

m	x y w z	minitermos	PoS (0, 1, 2, 5, 6, 12, 14)
0	0000	x+y+w+z = m0	0
1	0001	x+y+w+z' =m1	0
2	0010	x+y+w'+z = m2	0
3	0011	x+y+w'+z'	1
4	0100	x+y'+w+z	0
5	0101	x+y'+w+z' = m5	1
6	0110	x+y'+w'+z = m6	1
7	0111	x+y'+w'+z'	0
8	1000	x'+y+w+z	0
9	1001	x'+y+w+z'	0
10	1010	x'+y+w'+z	0
11	1011	x'+y+w'+z'	0
12	1100	x'•y'•w•z = m12	1
13	1101	x'+y'+w+z	0
14	1110	x'+y'+w+z' = m14	1