

Q1-ε

✓ 0 0000
 ✓ 1 0001
 ✓ 2 0100
 ✓ 3 0011
 ✓ 4 0101
 ✓ 7 0110
 ✓ 9 1001
 ✓ 12 1110
 ✓ 15 1111

(0,1) 1 ✓
 (0,2) 2 ✓
 (1,3) 2 00-1
 (1,4) 2 0-01 ✓
 (1,9) 1 -001
 (2,8) 1 010- ✓
 (2,7) 2 01-0
 (2,12) 1 -110
 (12,10) 1 111-

0-0-
 (0,1,2,8) (1,2)
~~(0,2,1,8) (2,1)~~

P1
 00-1 = $\bar{a}\bar{b}d$
 -001 = $\bar{b}\bar{c}d$
 01-0 = $\bar{a}b\bar{d}$
 -110 = bcd
 111- = abc
 0-0- = $\bar{a}\bar{c}$

	0	1	2	3	4	7	9	12	15
$\bar{a}\bar{b}d$		X	X						
$\bar{b}\bar{c}d$		X					X		
$\bar{a}b\bar{d}$				X		X			
bcd						X		X	
abc								X	X
$\bar{a}\bar{c}$	X	X		X	X				

EPF → $\bar{a}\bar{b}d$
 EPF → $\bar{b}\bar{c}d$
 EPF → $\bar{a}b\bar{d}$
 EPF → bcd
 EPF → abc
 EPF → $\bar{a}\bar{c}$

$$f = (\bar{a}\bar{b}d) + (\bar{b}\bar{c}d) + (abc) + (\bar{a}\bar{c}) + (bcd) + (\bar{a}b\bar{d})$$

Q7-5

000- ✓	(0,1) 1
001 ✓	(0,3) 3
010 ✓	(1,9) 1
011 ✓	(3,7) 2
100 ✓	(4,12) 1
101 ✓	(13,18) 1
110 ✓	
111 ✓	

000- 001 010 011 100 101 110 111

PI

- 000-
- 001
- 010
- 011
- 100
- 101
- 110
- 111

- $\bar{a}\bar{b}\bar{c}$
- $\bar{a}\bar{c}\bar{d}$
- $\bar{b}\bar{c}\bar{d}$
- $\bar{a}b\bar{d}$
- $b\bar{c}\bar{d}$
- $\bar{a}b\bar{c}$

EPZ

	0	1	3	7	9	13	15
$\bar{a}\bar{b}\bar{c}$	X	X					
$\bar{a}\bar{c}\bar{d}$	X		X				
$\bar{b}\bar{c}\bar{d}$		X			X		
$\bar{a}b\bar{d}$			X	X			
$b\bar{c}\bar{d}$				X		X	
$\bar{a}b\bar{c}$						X	X

فرض ہے

$\bar{a}\bar{b}\bar{c} + \bar{a}\bar{c}\bar{d} + \bar{b}\bar{c}\bar{d} + \bar{a}b\bar{d} + b\bar{c}\bar{d} + \bar{a}b\bar{c}$

27-6

~~000~~
 100 ✓
 110 ✓
 111 ✓
 101 ✓
 110 ✓
 111 ✓
 111 ✓
 111 ✓

100 ✓
 101 ✓
 110 ✓
 111 ✓
 111 ✓
 111 ✓
 111 ✓
 111 ✓

100 ✓
 101 ✓
 110 ✓
 111 ✓
 111 ✓
 111 ✓
 111 ✓
 111 ✓

wPI
 100 ✓ end
 110 ✓ end
 111 ✓ end

	0	1	2	3	4	5	6
0							
1							
2							
3							
4							
5							
6							

f = bcd + ab + cd