1. $f(A,B,C,D,E) = \Sigma m(0,2,4,6,9,11,13,15,17,19,21,23)$ [SEP]
2. $f(A,B,C,D,E) = \Sigma m(2,3,6,10,11,13,14,15,16,18,20,22,26,27,29,31)$
3. $f(A,B,C,D,E) = \Sigma m(1,5,8,10,11,13,15,17,21,26,27,29,31)$

1.
```
 0: 00000        0,2 : 2       ⎛ 0,2,4,6 : 2,4 ⎞  PI0
 2: 00010        0,4 : 4       ⎝               ⎠
 4: 00100        ───────
 ───────         2,6 : 2
 6: 00110        4,6 : 4
 9: 01001
17: 10001        9,11 : 2      ⎛ 9,11,13,15 : 2,4 ⎞ PI1
 ───────         9,13 : 4      ⎝                  ⎠
11: 01011                      ⎛ 17,19,21,23 : 2,4 ⎞ PI2
13: 01101       17,19 : 2      ⎝                   ⎠
19: 10011       17,21 : 4
21: 10101
 ───────        ───────
15: 01111       11,15 : 4
23: 10111       13,15 : 2
                19,23 : 4
                21,23 : 2
```

	0	2	4	6	9	11	13	15	17	19	21	23
PI0	x	x	x	x								
PI1					x	x	x	x				
PI2									x	x	x	x

All PI are essential!

AB/CDE	000	001	011	010	110	111	101	100
00	x			x	x			x
01		x	x			x	x	
10		x	x			x	x	
11								

f1 = P0 + P1 + P2

1. ~~$f(A,B,C,D,E) = \Sigma m(0,2,4,6,9,11,13,15,17,19,21,23)$~~ [SEP]
2. $f(A,B,C,D,E) = \Sigma m(2,3,6,10,11,13,14,15,16,18,20,22,26,27,29,31)$
3. $f(A,B,C,D,E) = \Sigma m(1,5,8,10,11,13,15,17,21,26,27,29,31)$

```
 0: 00000         0,2 : 2        0,2,16,18 : 2,16   P0
 ───────          0,16 : 16      ─────────────────
 2: 00010         ───────        2,6,10,14 : 4.8    P1
16: 10000         2,3 : 1        2,10,18,26 : 16,8  P2
 ───────          2,6 : 4        16,18,20,22 : 4,2  P3
 3: 00011         2,10 : 8       2,3,10,11 : 8,1    P4
 6: 00110         2,18 : 16      2,6,18,22 : 4,16   P5
10: 01010         16,18 : 2      ─────────────────
18: 10010         16,20 : 4
20: 10100         ─────          10,11,14,15 : 8,1  P6
 ───────
11: 01011
```

	0	2	3	6	10	11	13	14	15	16	18	20	22	26	27	29	31

✓ P0
✓ P1
  P2
✓ P3
✓ P4
  P5
  P6
✓ P7
  P8
✓ P9

f2 = P0 + P4 + P9 + P3 + P1 + P7

AB/CDE	000	001	011	010	110	111	101	100
00			x	x	x			
01			x	x	x	x	x	
10	x			x	x			x
11			x	x		x	x	

20.1...

11: 01011
13. 01101
14: 01110
22: 10110
26: 11010
___
15: 01111
27: 11011
29: 11101
___
31: 11111

16,20:4
3,11: 8
6,14: 8
6,22:16
10,11:1
10,14:4
10,26:16
18,22:4
18,26:8
20,22:2
___
11,15:8
11,27:16
13,15:2
13,29:16
14,15:1
26,27:1
___
15,31:16
27,31:4
29,31:2

10,11,14,15:8,1   P6
16,11,26,27:16,1   P7
___
11,15,27,31:16,4 P8
13,15,29,31: 2,16 P9

1. $f(A,B,C,D,E) = \Sigma m(0,2,4,6,9,11,13,15,17,19,21,23)$
2. $f(A,B,C,D,E) = \Sigma m(2,3,6,10,11,13,14,15,16,18,20,22,26,27,29,31)$
3. $f(A,B,C,D,E) = \Sigma m(1,5,8,10,11,13,15,17,21,26,27,29,31)$

1: 00001
8: 01000
___
5: 00101
10: 01010
17: 10001
___
11: 01011
13: 01101
21: 10101
26: 11010
___
15: 01111
27: 11011
29: 11101
___
31: 11111

1,5:4
1,17:16
8,10:2   P5
___
5,13:8
5,21:16
10,11:1
10,26:16
17,21:4
___
11,15:4
11,27:16
13,15:2
13,29:16
21,29:8   P6
26,27:1

1,5,17,21:4,16   P0
10,11,26,27:16,1   P1
5,13,21 29:8,16   P2
___
11,15,27,31:4,16 P3
13,15,29,31:2,16 P4

$f_3 = P5 + P0 + P1 + P4$

0	00000
1	00001
2	00010
3	00011
4	00100
5	00101
6	00110
7	00111
8	01000
9	01001
10	01010
11	01011
12	01100
13	01101
14	01110
15	01111
16	10000
17	10001
18	10010
19	10011
20	10100
21	10101
22	10110
23	10111
24	11000
25	11001
26	11010
27	11011
28	11100
29	11101
30	11110
31	11111

AB/CDE	000	001	011	010	110	111	101	100
00		x					x	
01	x			x		x	x	

31: 11111

21,29: 8   10
26,27: 1

15,31: 16
27,31: 4
29,31: 2

+s ~ rs + ru + r 1*1 y

AB/CDE	000	001	011	010	110	111	101	100
00		x					x	
01	x			x		x	x	
10		x					x	
11			x	x		x	x	