

$$p = a \oplus b$$

a) clauses

a, b

b) Refer to the truth table below.

c) Empty cells means F.

	a	b	p	P_a	P_b
1	T	T	F	T	T
2	T	F	T	T	T
3	F	T	T	T	T
4	F	F	F	T	T

d) GACC

a: {1,2} * {3,4}

b: {1,3} * {2,4}

e) CACC

a: (1,3) U (2,4)

b: (1,2) U (3,4)

f) RACC

a: (1,3) U (2,4)

b: (1,2) U (3,4)

g) GICC

Null

h) RICC

Null

$$p = a \vee b \vee (c \wedge d)$$

a) clauses

a, b, c, d

b) Refer to the truth table below.

c) Empty cells are False.

	a	b	c	d	p	P _a	P _b	P _c	P _d
1	T	T	T	T	T				
2	T	T	T		T				
3	T	T		T	T				
4	T	T			T				
5	T		T	T	T				
6	T		T		T	T			
7	T			T	T	T			
8	T				T	T			
9		T	T	T	T				
10		T	T		T		T		
11		T		T	T		T		
12		T			T		T		
13			T	T	T			T	T
14			T			T	T		T
15				T		T	T	T	
16						T	T		

d) GACC

a: {6, 7, 8} * {14, 15, 16}

b: {10, 11, 12} * {14, 15, 16}

c: (13, 15)

d: (13, 14)

e) CACC

a: {6, 7, 8} * {14, 15, 16}

b: {10, 11, 12} * {14, 15, 16}

c: (13, 15)

d: (13, 14)

f) RACC

a: (6,14) U (7, 15) U (8, 16)

b: (10, 14) U (11, 15) * (12, 16)

c: (13, 15)

d: (13, 14)

g) GICC

a: Null for $p = F$; $\{1, 2, 3, 4, 5\} * \{9, 10, 11, 12, 13\}$ for $p = T$

b: Null for $p = F$; $\{1, 2, 3, 4, 9\} * \{5, 6, 7, 8, 13\}$ for $p = T$

c: $(14, 16)$ for $p = F$; $\{1, 2, 5, 6, 9, 10\} * \{3, 4, 7, 8, 11, 12\}$ for $p = T$

d: $(15, 16)$ for $p = F$; $\{1, 3, 5, 7, 9, 11\} * \{2, 4, 6, 8, 10, 12\}$ for $p = T$

h) RICC

a: Null for $p = F$; $(1,9) \cup (2, 10) \cup (3,11) \cup (4,12) \cup (5,13)$ for $p = T$

b: Null for $p = F$; $(1,5) \cup (2,6) \cup (3,7) \cup (4,8) \cup (9, 13)$ for $p = T$

c: $(14, 16)$ for $p = F$; $(1,3) \cup (2,4) \cup (5,7) \cup (6,8) \cup (9,11) \cup (10,12) \cup$ for $p = T$

d: $(15, 16)$ for $p = F$; $(1,2) \cup (3,4) \cup (5,6) \cup (7,8) \cup (9,10) \cup (11,12) \cup$ for $p = T$

$$p = (a \wedge b) \vee (b \wedge c) \vee (a \wedge c)$$

a) clauses

a, b, c

b) Refer to the truth table below.

c) Empty cells mean False.

	a	b	c	p	P _a	P _b	P _c
1	T	T	T	T			
2	T	T		T	T	T	
3	T		T	T	T		T
4	T					T	T
5		T	T	T		T	T
6		T			T		T
7			T		T	T	
8							

d) GACC

a: $\{2,3\} * \{6,7\}$

b: $\{2,5\} * \{4,7\}$

c: $\{3,5\} * \{4,6\}$

e) CACC

Like GACC

f) RACC

a: $(2,6) \cup (3,7)$

b: $(2,4) \cup (5,7)$

c: $(3,4) \cup (5,6)$

g) GICC

a: $(4,8)$ for $p = F$; $(1,5)$ for $p = T$

b: $(6,8)$ for $p = F$; $(1,3)$ for $p = T$

c: $(7,8)$ for $p = F$; $(1,2)$ for $p = T$

h) RICC
same as above