

```

.i 4
.o 1
.ilb a b c d
.ob F
.p 5
-110 1
01-- 1
-001 1
1110 1
0-00 1
.e

```

$$F = bcd' + a'b + b'c'd + abcd' + a'c'd'$$

Index	Variable	Else-edge	Then-edge	Comment
0	-	-	-	Boolean 0
1	a	2	3	
2	b	4	5	
3	b	6	7	
4	c	8	9	
5	c	10	11	
6	c	12	13	
7	c	14	15	
8	d	16	16	
9	d	0	0	
10	d	16	16	
11	d	16	16	
12	d	0	16	
13	d	0	0	
14	d	0	0	
15	d	16	0	
16	1	-	-	Boolean 1

Index	Variable	Else-edge	Then-edge	Comment
0	-	-	-	Boolean 0
1	a	2	3	
2	b	4	5	
3	b	6	7	
4	c	16	0	
5	c	16	16	
6	c	12	0	
7	c	0	15	
8	d	16	16	redundant
9	d	0	0	redundant
10	d	16	16	redundant
11	d	16	16	redundant
12	d	0	16	
13	d	0	0	redundant
14	d	0	0	redundant
15	d	16	0	
16	1	-	-	Boolean 1

Index	Variable	Else-edge	Then-edge	Comment
0	-	-	-	Boolean 0
1	a	2	3	
2	b	4	16	
3	b	6	7	
4	c	16	0	
5	c	16	16	redundant
6	c	12	0	
7	c	0	15	
12	d	0	16	
15	d	16	0	
16	1	-	-	Boolean 1

```

digraph OBDD {
    {rank=same 1}
    {rank=same 2 3}
    {rank=same 4 5 6 7}
    {rank=same 8 9 10 11 12 13 14 15}

```

```

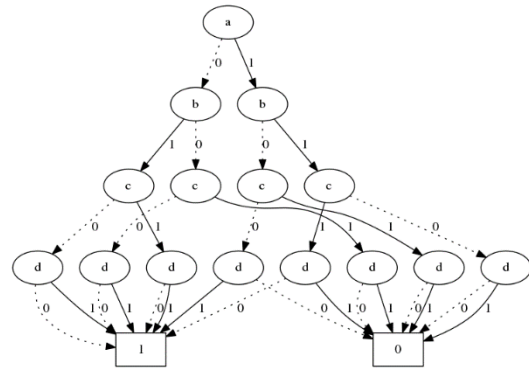
0 [label="0", shape=box];
1 [label="a"];
2 [label="b"];
3 [label="b"];
4 [label="c"];
5 [label="c"];
6 [label="c"];
7 [label="c"];
8 [label="d"];
9 [label="d"];
10 [label="d"];
11 [label="d"];
12 [label="d"];
13 [label="d"];
14 [label="d"];
15 [label="d"];
16 [label="1", shape=box];

```

```

1 -> 2 [label="0", style=dotted]
1 -> 3 [label="1", style=solid]
2 -> 4 [label="0", style=dotted]
2 -> 5 [label="1", style=solid]
3 -> 6 [label="0", style=dotted]
3 -> 7 [label="1", style=solid]
4 -> 8 [label="0", style=dotted]
4 -> 9 [label="1", style=solid]
5 -> 10 [label="0", style=dotted]
5 -> 11 [label="1", style=solid]
6 -> 12 [label="0", style=dotted]
6 -> 13 [label="1", style=solid]
7 -> 14 [label="0", style=dotted]
7 -> 15 [label="1", style=solid]
8 -> 16 [label="0", style=dotted]
8 -> 16 [label="1", style=solid]
9 -> 0 [label="0", style=dotted]
9 -> 0 [label="1", style=solid]
10 -> 16 [label="0", style=dotted]
10 -> 16 [label="1", style=solid]
11 -> 16 [label="0", style=dotted]
11 -> 16 [label="1", style=solid]
12 -> 0 [label="0", style=dotted]
12 -> 16 [label="1", style=solid]
13 -> 0 [label="0", style=dotted]
13 -> 0 [label="1", style=solid]
14 -> 0 [label="0", style=dotted]
14 -> 0 [label="1", style=solid]
15 -> 16 [label="0", style=dotted]
15 -> 0 [label="1", style=solid]

```



```

digraph ROBDD {
    {rank=same 1}
    {rank=same 2 3}
    {rank=same 4 6 7}
    {rank=same 12 15}

    0 [label="0", shape=box];
    1 [label="a"]
    2 [label="b"]
    3 [label="b"]
    4 [label="c"]
    6 [label="c"]
    7 [label="c"]
    12 [label="d"]
    15 [label="d"]
    16 [label="1", shape=box];

    1 -> 2 [label="0", style=dotted]
    1 -> 3 [label="1", style=solid]
    2 -> 4 [label="0", style=dotted]
    2 -> 16 [label="1", style=solid]
    3 -> 6 [label="0", style=dotted]
    3 -> 7 [label="1", style=solid]
    4 -> 16 [label="0", style=dotted]
    4 -> 0 [label="1", style=solid]
    6 -> 12 [label="0", style=dotted]
    6 -> 0 [label="1", style=solid]
    7 -> 0 [label="0", style=dotted]
    7 -> 15 [label="1", style=solid]
    12 -> 0 [label="0", style=dotted]
    12 -> 16 [label="1", style=solid]
    15 -> 16 [label="0", style=dotted]
    15 -> 0 [label="1", style=solid]
}

```

