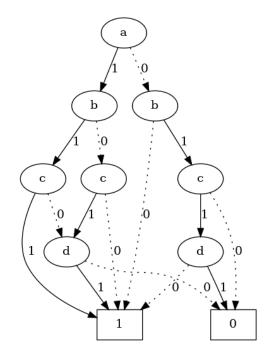
B10932017 張祐禎

Case1: 4 variables

(a.pla)

```
.i 4
.o 1
.ilb a b c d
.ob F
.p 5
111- 1
0-10 1
1101 1
-011 1
-00- 1
```

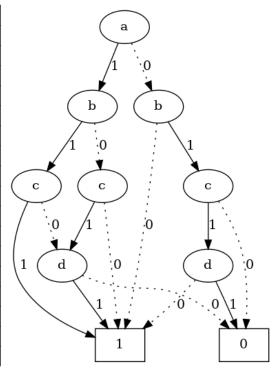
```
digraph ROBDD {
        0 [lable="0", shape=box]
        1 [label="a"]
        2 [label="b"]
        3 [label="b"]
        5 [label="c"]
        6 [label="c"]
        7 [label="c"]
        11 [label="d"]
        13 [label="d"]
        16 [label="1", shape=box]
        1 -> 2 [label="0", style=dotted]
        1 -> 3 [label="1", style=solid]
        2 -> 16 [label="0", style=dotted]
        2 -> 5 [label="1", style=solid]
        3 -> 6 [label="0", style=dotted]
        3 -> 7 [label="1", style=solid]
        5 -> 0 [label="0", style=dotted]
        5 -> 11 [label="1", style=solid]
        6 -> 16 [label="0", style=dotted]
        6 -> 13 [label="1", style=solid]
        7 -> 13 [label="0", style=dotted]
        7 -> 16 [label="1", style=solid]
        11 -> 16 [label="0", style=dotted]
        11 -> 0 [label="1", style=solid]
        13 -> 0 [label="0", style=dotted]
        13 -> 16 [label="1", style=solid]
```



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

Index	Variable	Else-edge	Then-edge	Comment
0	Variable	Lise eage	Their eage	Boolean 0
		-	_	Boolean o
1	а	2	3	
2	b	4	5	
3	b	6	7	
4	С	16	16	
5	С	0	11	
6	С	16	13	
7	С	13	15	
8	d	16	16	redundant
9	d	16	16	redundant
10	d	0	0	redundant
11	d	16	0	
12	d	16	16	redundant
13	d	0	16	
14	d	0	16	redundant
15	d	16	16	redundant
16	-	-	-	Boolean 1

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

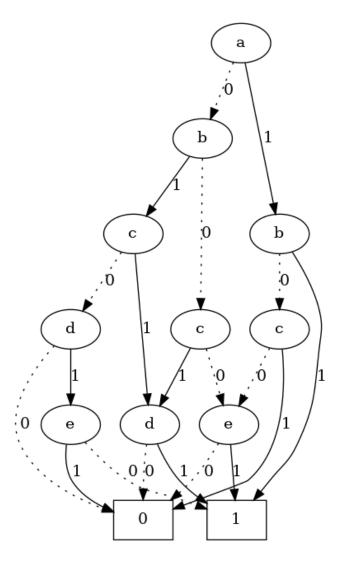


Case2: 5 variables

(b.pla)

```
.i 5
.o 1
.ilb a b c d e
.ob F
.p 4
11--- 1
0-11- 1
-00-1 1
.e
```

```
digraph ROBDD {
        0 [lable="0", shape=box]
        1 [label="a"]
        2 [label="b"]
        3 [label="b"]
        4 [label="c"]
        5 [label="c"]
        6 [label="c"]
        9 [label="d"]
        10 [label="d"]
        16 [label="e"]
        21 [label="e"]
        32 [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 -> 32 [label="1", style=solid]
        4 -> 16 [label="0", style=dotted]
        4 -> 9 [label="1", style=solid]
        5 -> 10 [label="0", style=dotted]
        5 -> 9 [label="1", style=solid]
        6 -> 16 [label="0", style=dotted]
        6 -> 0 [label="1", style=solid]
        9 -> 0 [label="0", style=dotted]
        9 -> 32 [label="1", style=solid]
        10 -> 0 [label="0", style=dotted]
        10 -> 21 [label="1", style=solid]
        16 -> 0 [label="0", style=dotted]
        16 -> 32 [label="1", style=solid]
        21 -> 32 [label="0", style=dotted]
        21 -> 0 [label="1", style=solid]
```



Index	Variable	Else-edge	Then-edge	Comment
0	-	-	-	Boolean 0
1	a	2	3	
2	b	4	5	
3	b	6	7	
4	С	8	9	
5	С	10	11	
6	С	12	13	
7	С	14	15	
8	d	16	17	
9	d	18	19	
10	d	20	21	
11	d	22	23	
12	d	24	25	
13	d	26	27	
14	d	28	29	
15	d	30	31	
16	e	0	32	
17	е	0	32	
18	e	0	0	
19	е	32	32	
20	e	0	0	
21	е	32	0	
22	е	0	0	
23	е	32	32	
24	е	0	32	
25	е	0	32	
26	е	0	0	
27	е	0	0	
28	е	32	32	
29	е	32	32	
30	е	32	32	
31	е	32	32	

Index	Variable	Else-edge	Then-edge	Comment
0	-	-	-	Boolean 0
1	a	2	3	
2	b	4	5	
3	b	6	32	
4	С	16	9	
5	С	10	9	
6	С	16	0	
7	С	14	15	redundant
8	d	16	17	redundant
9	d	0	32	
10	d	0	21	
11	d	22	23	redundant
12	d	24	25	redundant
13	d	26	27	redundant
14	d	28	29	redundant
15	d	30	31	redundant
16	e	0	32	
17	е	0	32	redundant
18	е	0	0	redundant
19	е	32	32	redundant
20	е	0	0	redundant
21	е	32	0	
22	е	0	0	redundant
23	е	32	32	redundant
24	е	0	32	redundant
25	е	0	32	redundant
26	е	0	0	redundant
27	е	0	0	redundant
28	е	32	32	redundant
29	е	32	32	redundant
30	е	32	32	redundant
31	е	32	32	redundant

T				
Index	Variable	Else-edge	Then-edge	Comment
0	-	-	-	Boolean 0
1	a	2	3	
2	b	4	5	
3	b	6	32	
4	С	16	9	
5	С	10	9	
6	С	16	0	
9	d	0	32	
10	d	0	21	
16	е	0	32	
21	е	32	0	
32	-	-	-	Boolean 1

