

PLA1.pla

```
.i 4
.o 1
.ilb a b c d
.ob f
.p 2
11-- 1
--11 1
.e
```

Boolean function: $f = ab + cd$

PLA2.pla

```
.i 5
.o 1
.ilb a b c d e
.ob f
.p 3
11--- 1
--1-- 1
---11 1
.e
```

Boolean function: $f = ab + c + de$

.....

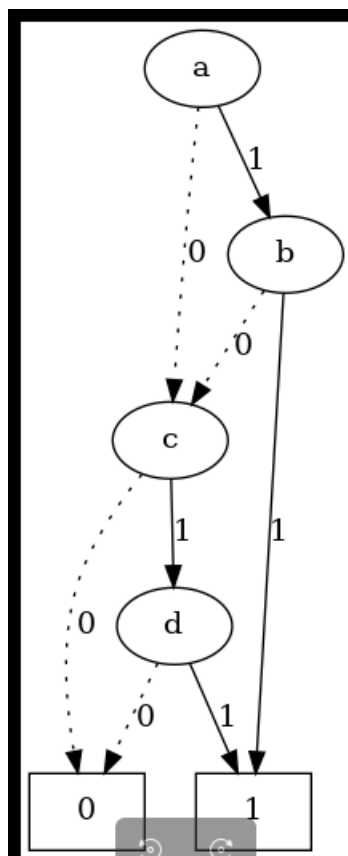
DOT1 file:

```
1 digraph ROBDD {
2 {rank=same 1 }
3 {rank=same 3 }
4 {rank=same 4 }
5 {rank=same 9 }
6
7 0[label=0, shape=box];
8 1[label="a"]
9 3[label="b"]
10 4[label="c"]
11 9[label="d"]
12 16[label=1, shape=box];
13
14 1->4[label="0", style=dotted]
15 1->3[label="1", style=solid]
16 3->4[label="0", style=dotted]
17 3->16[label="1", style=solid]
18 4->0[label="0", style=dotted]
19 4->9[label="1", style=solid]
20 9->0[label="0", style=dotted]
21 9->16[label="1", style=solid]
22 }
```

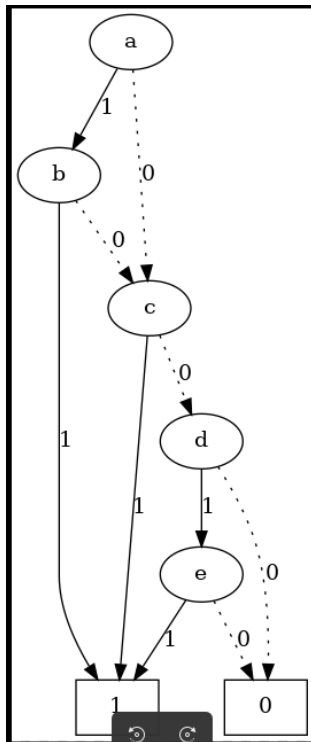
DOT2 file:

```
1 digraph ROBDD
2 {rank=same 1 }
3 {rank=same 3 }
4 {rank=same 4 }
5 {rank=same 8 }
6 {rank=same 17 }
7
8 0[label=0, shape=box];
9 1[label="a"]
10 3[label="b"]
11 4[label="c"]
12 8[label="d"]
13 17[label="e"]
14 32[label=1, shape=box];
15
16 1->4[label="0", style=dotted]
17 1->3[label="1", style=solid]
18 3->4[label="0", style=dotted]
19 3->32[label="1", style=solid]
20 4->8[label="0", style=dotted]
21 4->32[label="1", style=solid]
22 8->0[label="0", style=dotted]
23 8->17[label="1", style=solid]
24 17->0[label="0", style=dotted]
25 17->32[label="1", style=solid]
26
```

Screenshot of ROBDD:



(DOT1)



(DOT2)