

1. 4 variables (case1.pla)

case1.pla	output1.pla
.i 4	.i 4
.o 1	.o 1
.ilb a b c d	.ilb a b c d
.ob f	.ob f
.p 6	.p 3
-1-1 1	--01 1
0-10 -	1--0 1
0-01 1	-11- 1
1--0 1	.e
1001 1	
0111 1	
.e	

2. 5 variables (case2.pla)

case2.pla	output2.pla
.i 5	.i 5
.o 1	.o 1
.ilb a b c d e	.ilb a b c d e
.ob f	.ob f
.p 8	.p 5
0110- 1	0--01 1
-1000 1	010-- 1
0-00- -	10-10 1
01-01 1	1-1-0 1
0-101 1	-1-00 1
10-10 1	.e
1-1-0 1	
010-- 1	
.e	

3. 6 variables (case3.pla)

case3.pla	output3.pla
.i 6	.i 6
.o 1	.o 1
.ilb a b c d e g	.ilb a b c d e g
.ob f	.ob f
.p 8	.p 5
00--00 1	00--00 1
1-11-- -	--11-0 1
-11-01 1	-11-0- 1
0-1110 1	-11--0 1
11-011 1	11-0-1 1
011101 1	.e
-11--0 1	
11-0-1 1	
.e	

4. Terms and literals

```

root@LAPTOP-EDPLP3A3:~/myfile# ./minimization case1.pla output1.pla
Total number of terms: 3
Total number of literals: 6
root@LAPTOP-EDPLP3A3:~/myfile# ./minimization case2.pla output2.pla
Total number of terms: 5
Total number of literals: 16
root@LAPTOP-EDPLP3A3:~/myfile# ./minimization case3.pla output3.pla
Total number of terms: 5
Total number of literals: 17

```