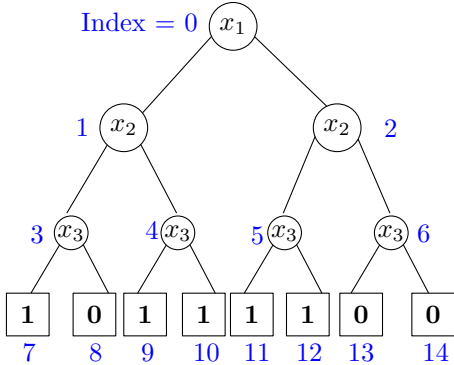


Number of Boolean variables, $k=3$

Truth Table
input.txt

x_1	x_2	x_3	$f(x_1, x_2)$
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	0
1	1	1	0

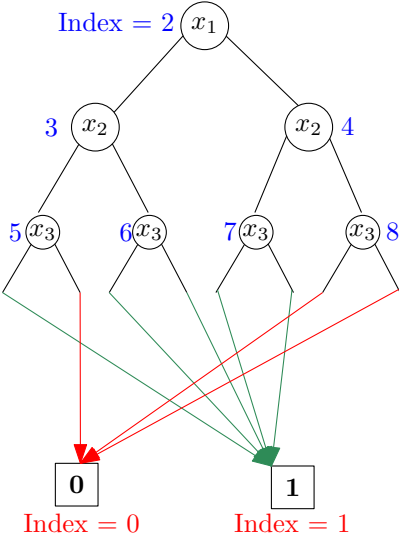
Binary Tree Representation



output2a.txt

Index	data	left	right	level
0	1	1	2	1
1	2	3	4	2
2	2	5	6	2
3	3	7	8	3
4	3	9	10	3
5	3	11	12	3
6	3	13	14	3
7	1	-1	-1	4
8	0	-1	-1	4
9	1	-1	-1	4
10	1	-1	-1	4
11	1	-1	-1	4
12	1	-1	-1	4
13	0	-1	-1	4
14	0	-1	-1	4

Compact Representation



output2b.txt

Index	data	left	right	level
0	0	-1	-1	4
1	1	-1	-1	4
2	1	3	4	1
3	2	5	6	2
4	2	7	8	2
5	3	1	0	3
6	3	1	1	3
7	3	1	1	3
8	3	0	0	3