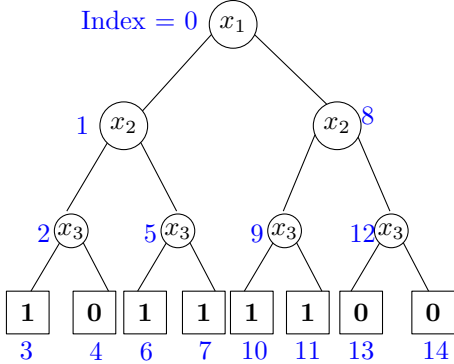


# Number of Boolean variables, $k=3$

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

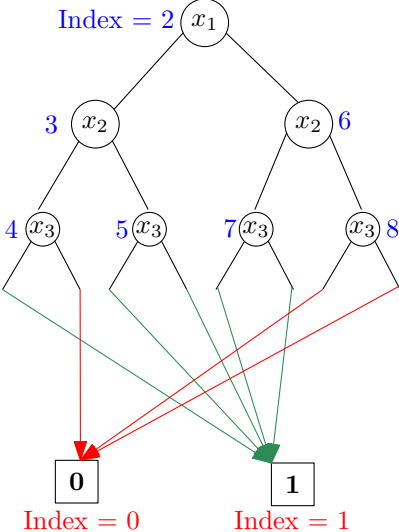
Binary Tree Representation



output2a.txt

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