Number of Boolean variables, k = 3

 $Index = 0 (x_1)$

 $4(x_3)$

Binary Tree Representation

Index = 1

Index = 0

Truth Table

input.txt

 x_3

 x_2

 x_1

 $f(x_1,\underline{x_2})$

	/ \		0	O	1			
$\overline{1}$	0		6	3	13			
	13 14	 :	7	1	-1			
			8	0	-1			
			9	1	-1			
			10	1	-1			
			11	1	-1			
			12	1	-1			
			13	0	-1			
			14	0	-1			
output2b.txt								
output2	b.txt							
output2 Index	data	left	rig	nt le	evel			
		left -1	rigl		evel 4			
Index	data							
Index 0	data 0	-1	-1		4			
Index 0	data 0 1	-1 -1	-1 -1		4			
Index 0 1	0 1 1	-1 -1 3	-1 -1 4		4 4 1			
Index 0 1 2	0 1 1 2	-1 -1 3 5	-1 -1 4 6		4 4 1 2			
Index 0 1 2 3 4	data 0 1 2 2	-1 -1 3 5 7	-1 -1 4 6 8		4 4 1 2 2			
Index 0 1 2 3 4 5	data 0 1 2 2 3	-1 -1 3 5 7	-1 -1 4 6 8		4 4 1 2 2 3			

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

output2a.txt