HW1 part1

1.

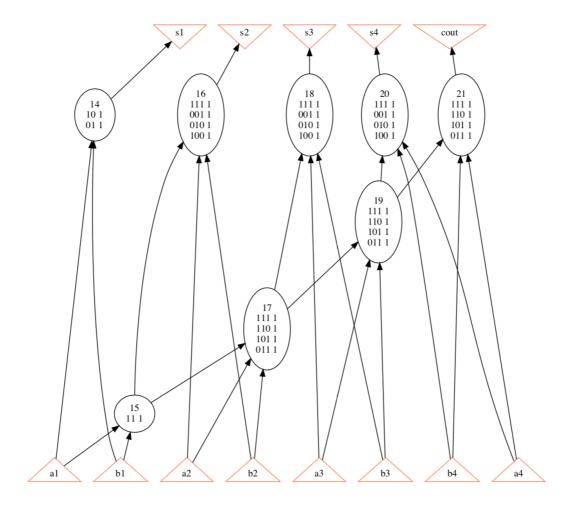
blif file name: 4bitadder.blif

structure is (a4,a3,a2,a1)+(b4,b3,b2,b1) = (cout,s4,s3,s2,s1)

2. (The original pictures are in show\_picture/final\_upload) show the initial network structure:

Network structure visualized by ABC Benchmark "4bit\_adder". Time was Wed Oct 14 23:20:52 2020.

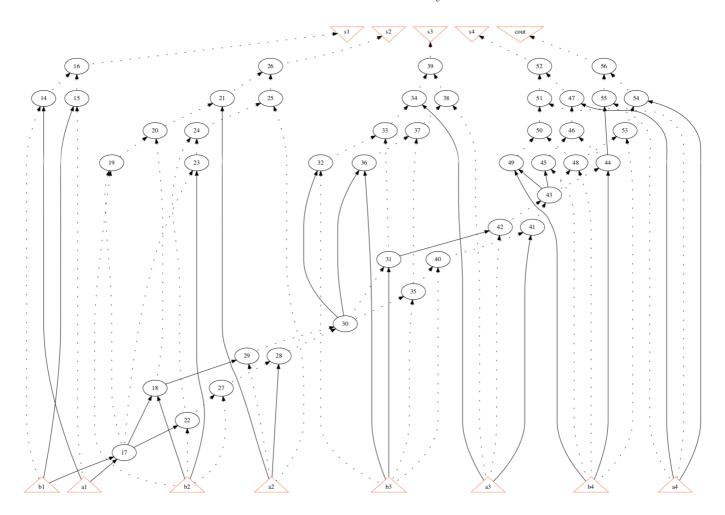
The network contains 8 logic nodes and 0 latches.



after strash:

Network structure visualized by ABC Benchmark "4bit\_adder". Time was Wed Oct 14 23:21:43 2020.

The network contains 43 logic nodes and 0 latches.



## show\_bdd of s1:

