

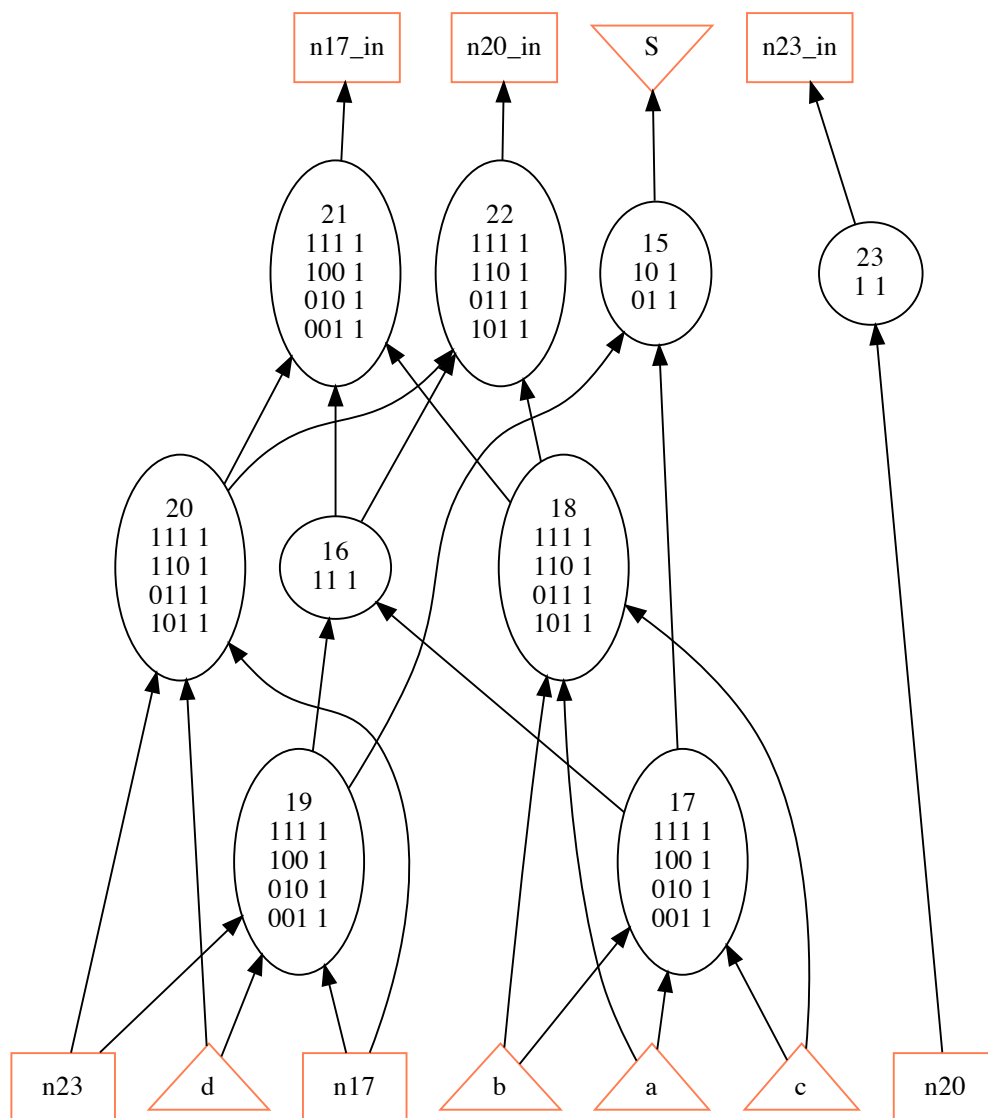
Report

B07901067 電機四 吳浩瑜

Part1

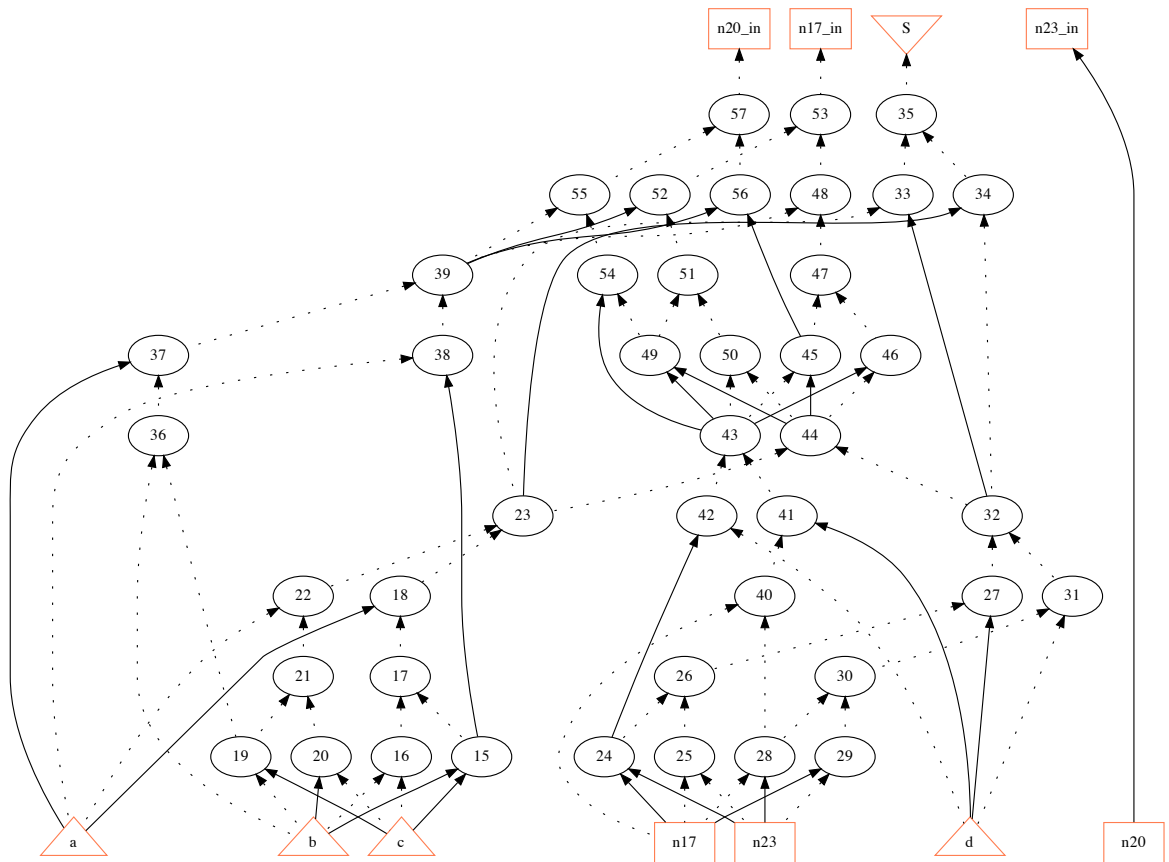
Step3

The network contains 9 logic nodes and 3 latches.

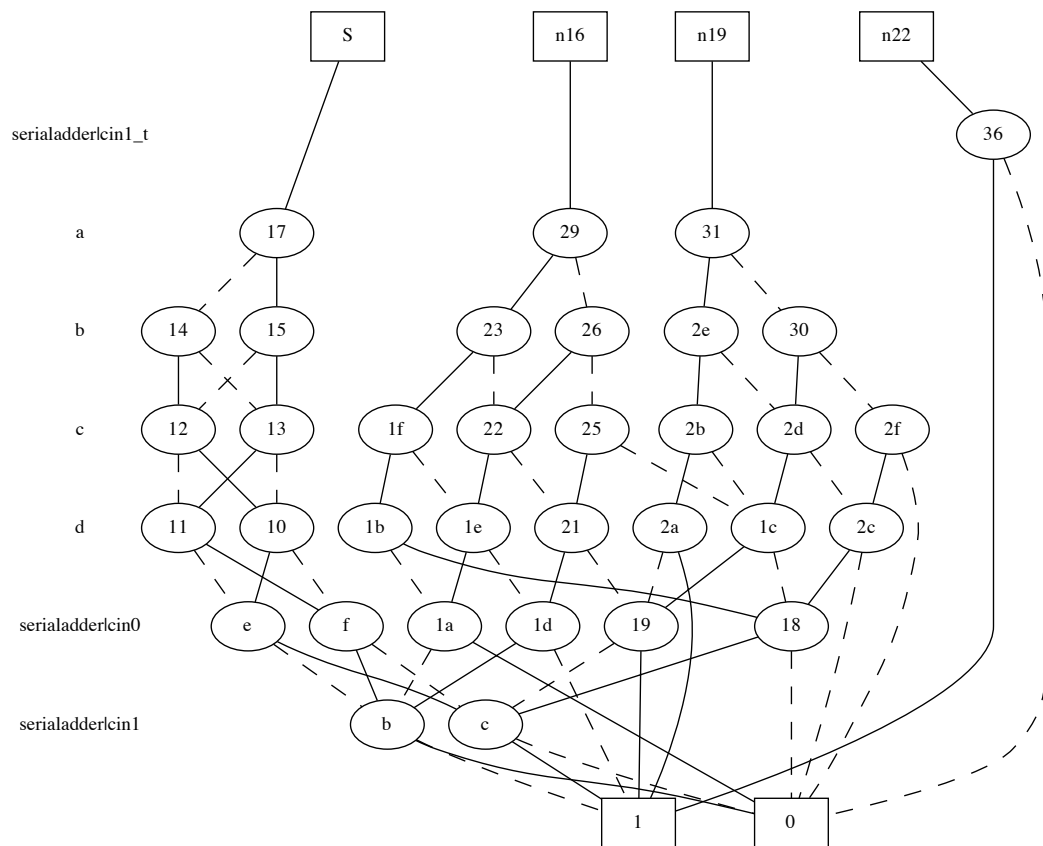


Step5

The network contains 43 logic nodes and 3 latches.



Step7



Part2

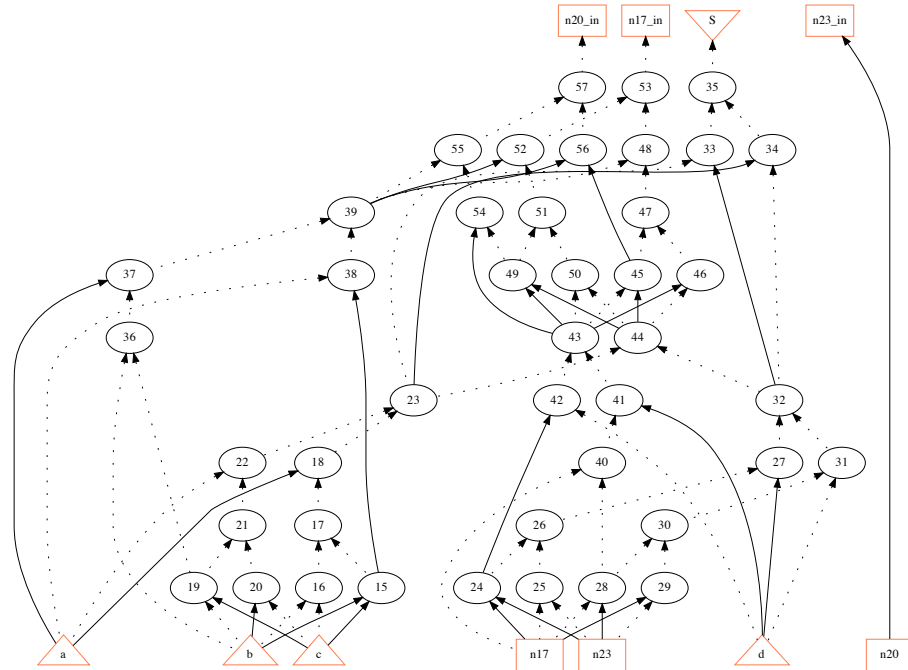
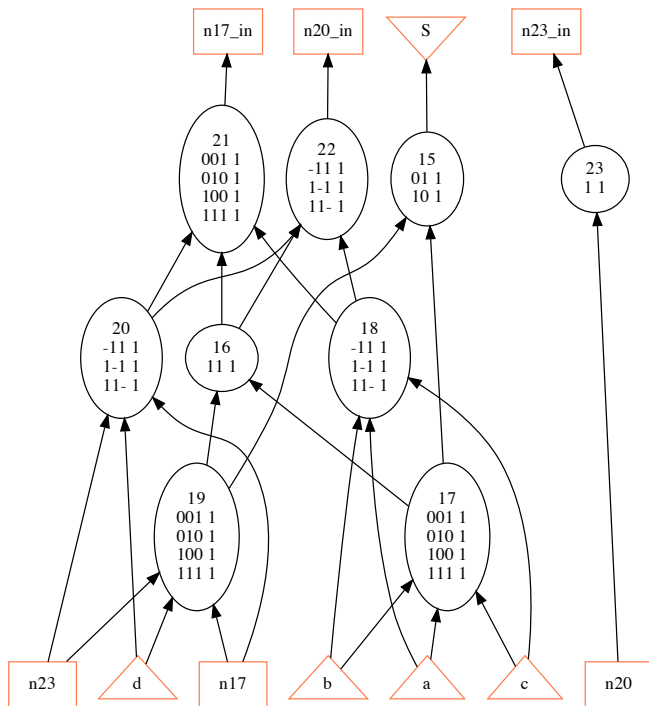
(a) 1.

Command aig

Command strash

The network contains 9 logic nodes and 3 latches.

The network contains 43 logic nodes and 3 latches.



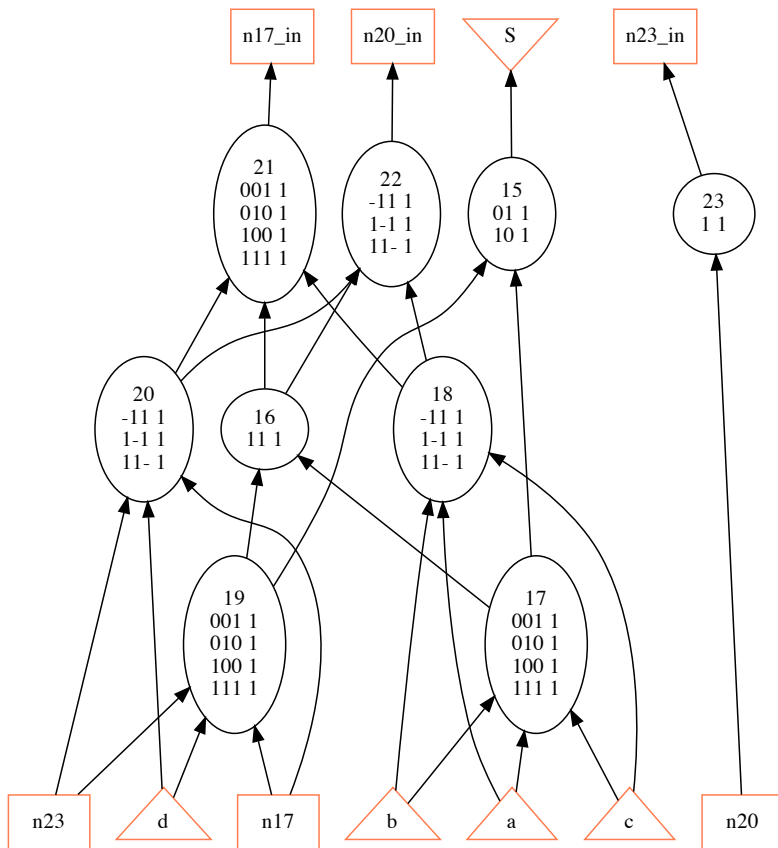
After command **aig**, it looks nothing different with the one in step3.

But **strash** do convert it to an AIG.

(a) 2.

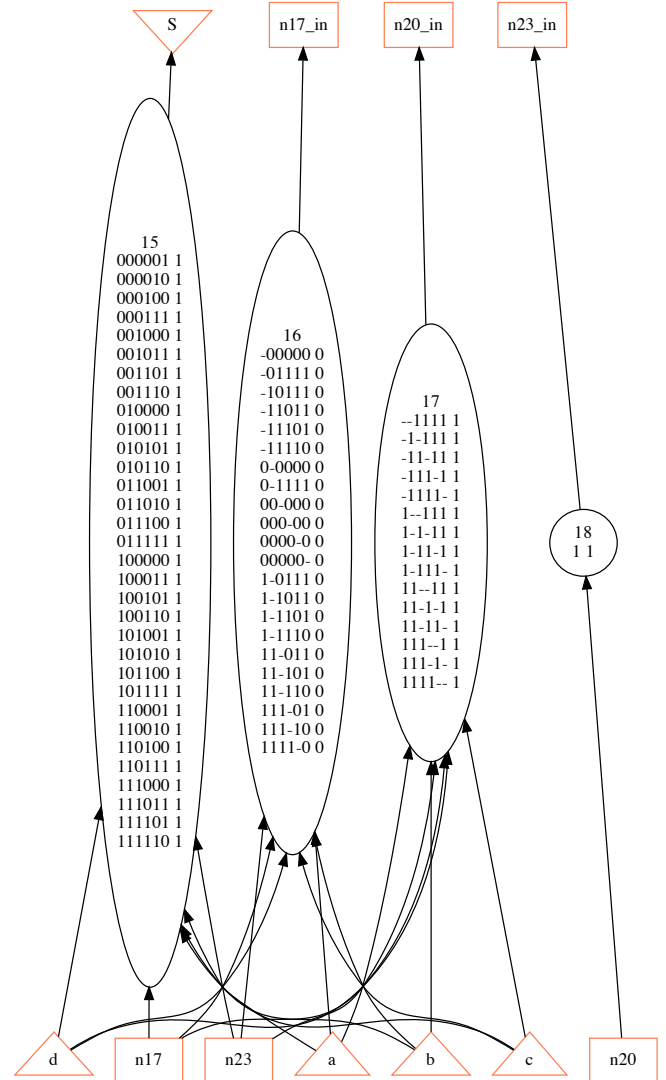
Command bdd&show

The network contains 9 logic nodes and 3 latches.

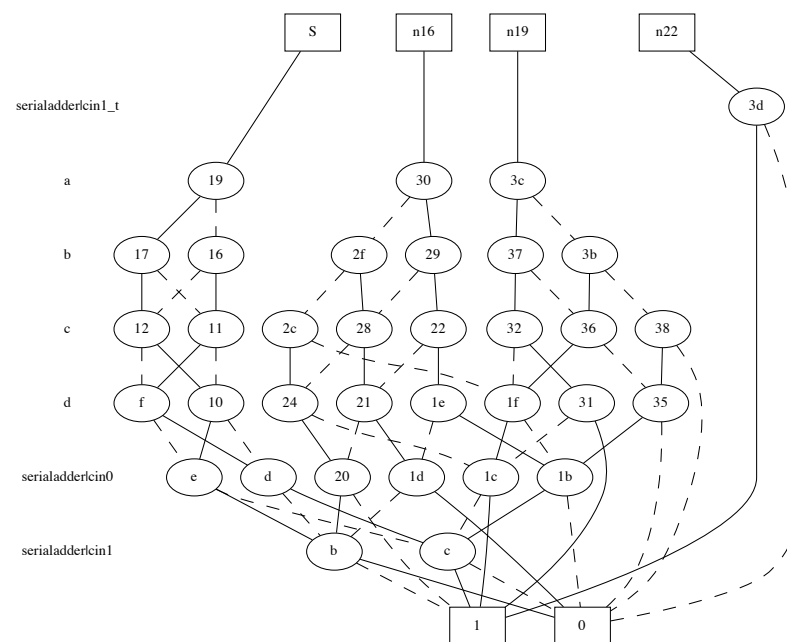


Command collapse&show

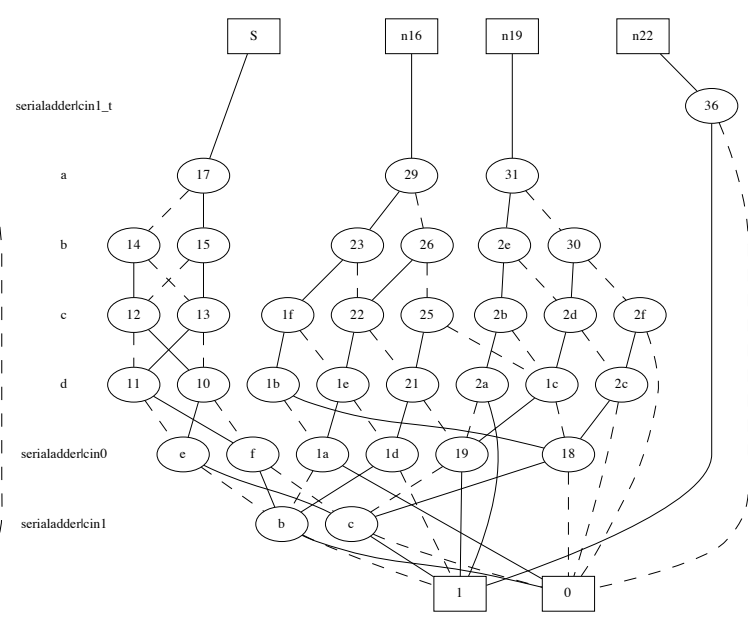
The network contains 4 logic nodes and 3 latches.



Command `bdd&show_bdd -g`



Command `collapse&show_bdd -g`



Command **collapse** would destroy all the nodes in the graph.
So we have only one big node for each output after **collapse**.

(b)

read the file->strash->renode->logic

The network contains 35 logic nodes and 3 latches.

