R09943142 邱奕瑋

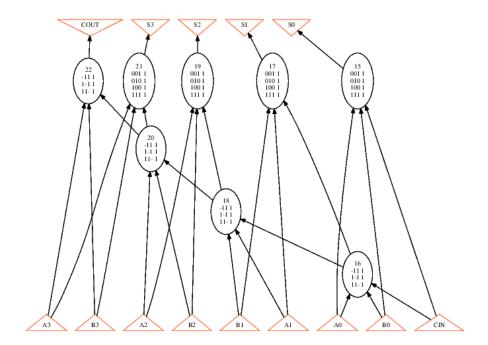
• Problem 2

A.

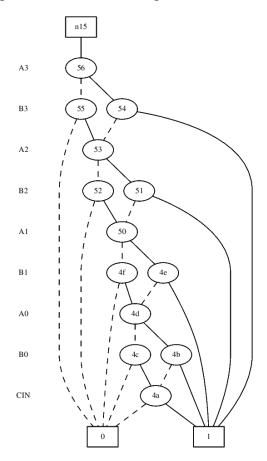
- 1. 指令 AIG 只會將原本的 logic network 中 node 的值轉換成 AIG 的形式,架構上並不會改變,而 collapse 指令會將架構轉換成 structurally hashed AIG 的形式。
- 2. 指令 bdd 也是只有將原本 logic network 中的 node 值做改變,架構上並不會更動,而指令 collapse 則會將架構改成 BDD 的形式。. EX:
 - Bdd: only change the node in logic network

Network structure visualized by ABC Benchmark "fourbitadder". Time was Tue Oct 13 10:55:16 2020.

The network contains 8 logic nodes and 0 latches.



- Collapse: change the structure from logic network to BDD



B. Get AIG: strash



Convert to SOP: logic

