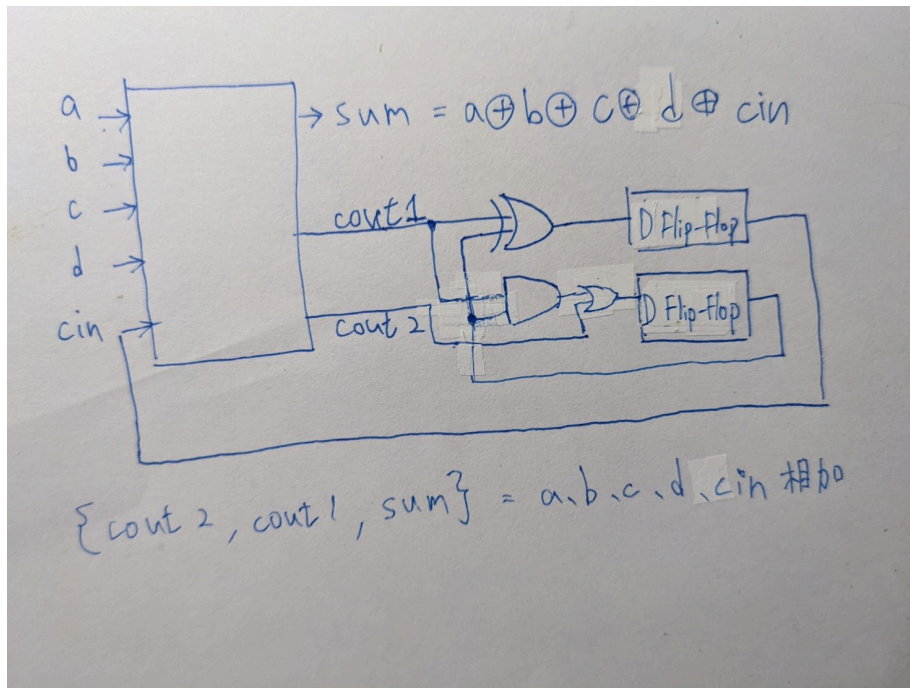


ISV PA1

R10921096許正宗

1(a)

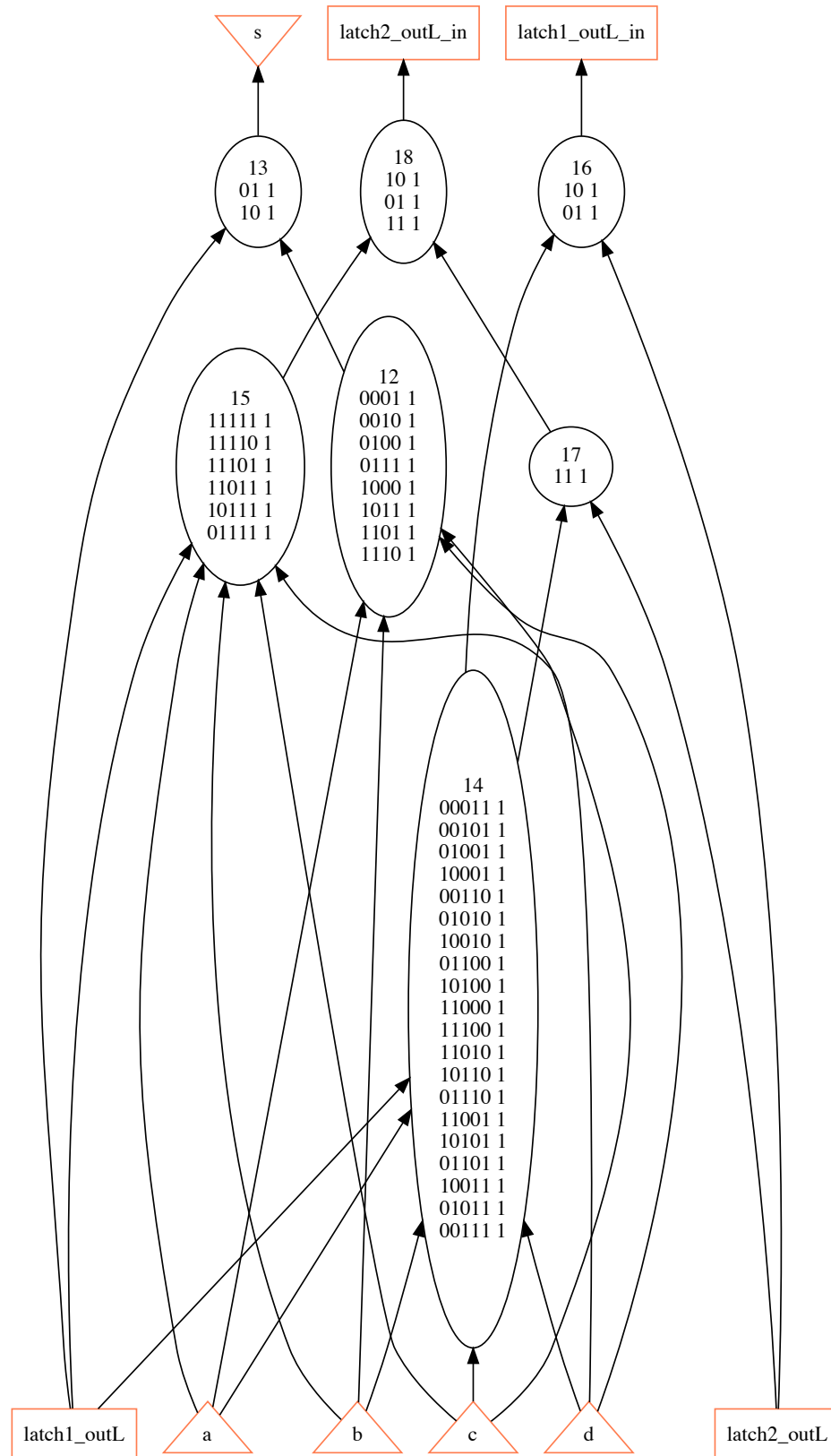
我腦中的4-number serial adder示意圖：



1(b).3.5.7

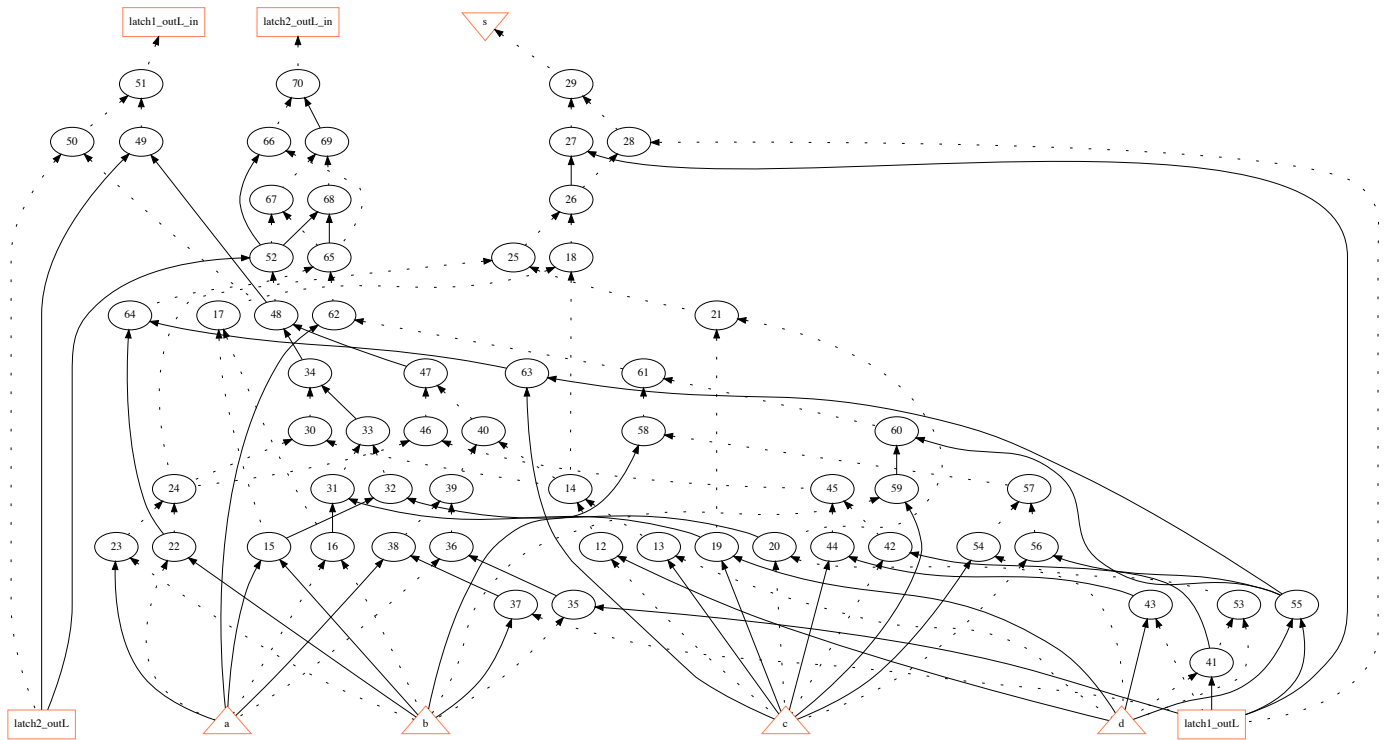
Network structure visualized by ABC
Benchmark "four-numbear_serial_adder". Time was Thu Oct 7 16:18:21 2021.

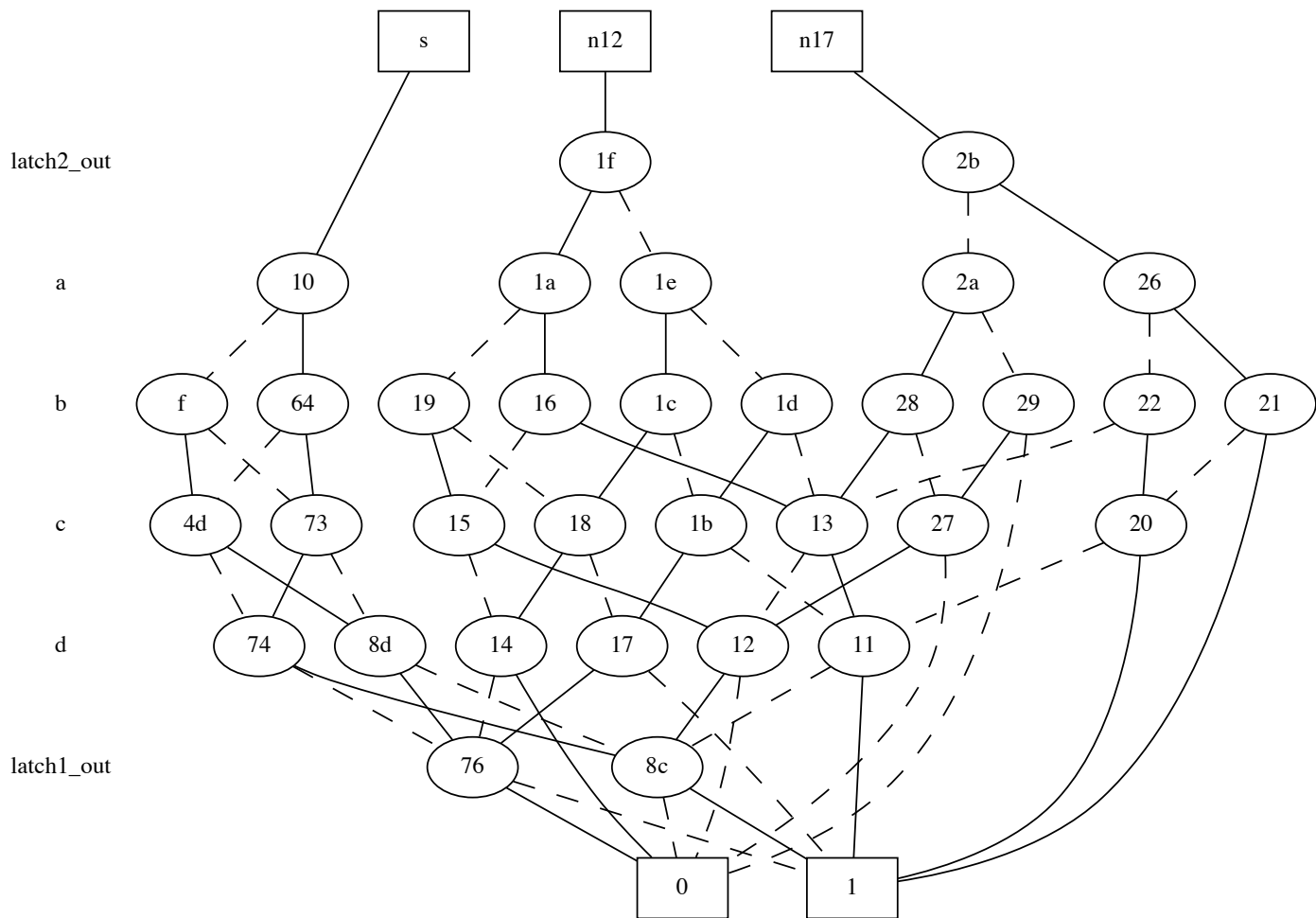
The network contains 7 logic nodes and 2 latches.



Network structure visualized by ABC
Benchmark "four-numbear_serial_adder". Time was Thu Oct 7 19:15:36 2021.

The network contains 59 logic nodes and 2 latches.





2(a).1

aig - Converts local functions of the nodes to AIGs.

straiG - 整張圖的每個node是aig,使用structural hashing

2(a).1

bdd - Converts local functions of the nodes to BDDs.

collapse - 整張圖的每個node是bad

2(b)

logic