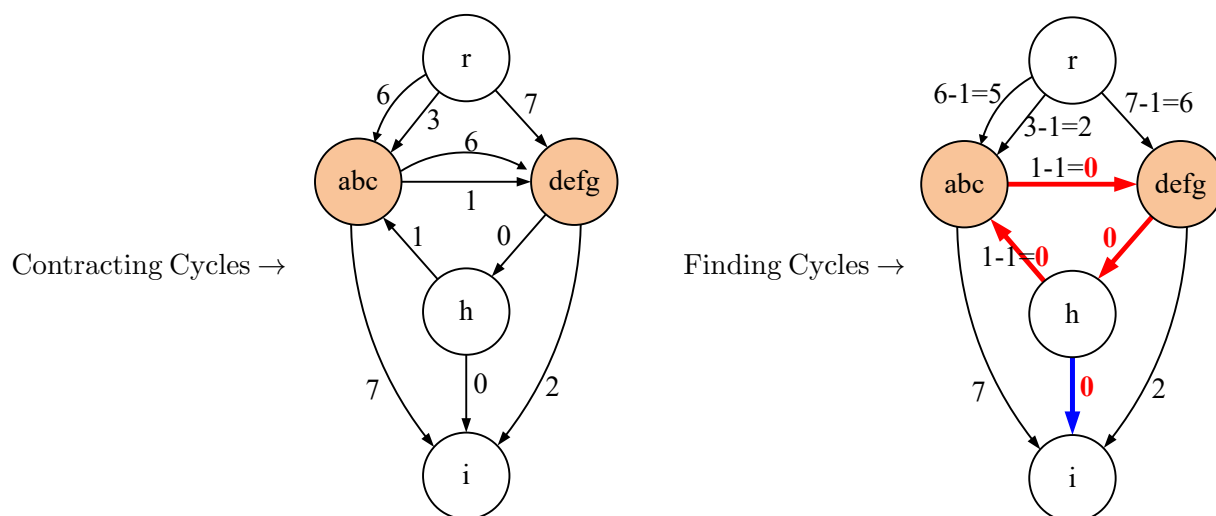**Midterm 1 at Turner 205, 6:30-7:45 PM, October 5, 2023**
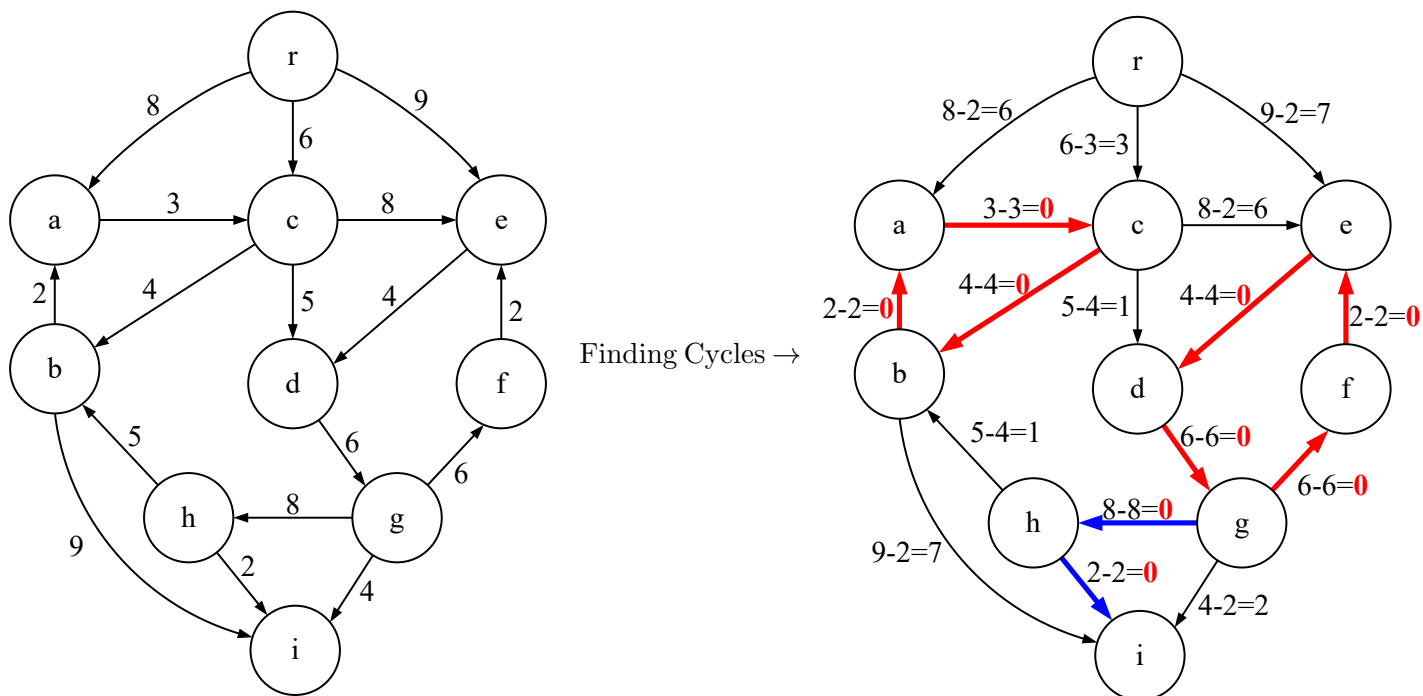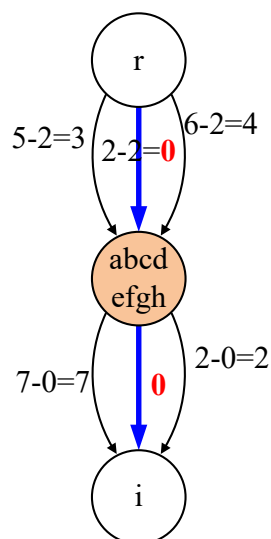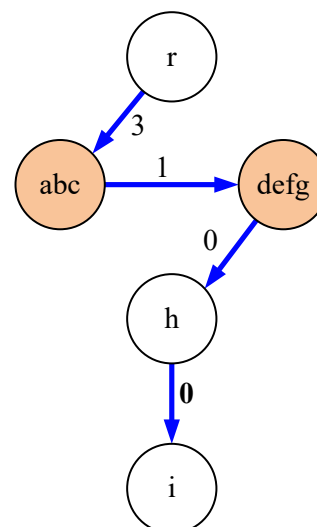
Find minimum arborescence using the Edmond's algorithm:

Contracting Cycles →

r

5-2=3   2-2=**0**   6-2=4

abcd
efgh

7-0=7   **0**   2-0=2

i

Expanding Cycles →

r

3

abc   1   defg

0

h

0

i

Expanding Cycles →

r

6

a   c   e

2   4   5   2

b   d   f

6   6

h   8   g

2

i