| 1 | 2 | 3 | 4 | 5 |

G

1

C

1/2

4,4   1,4   3, 5

A   B   1/2   D   F

1,5   2,4   3,3

1/4

1/4   1,2   1/4   1

E

1,3

F

1/2   2,2

1
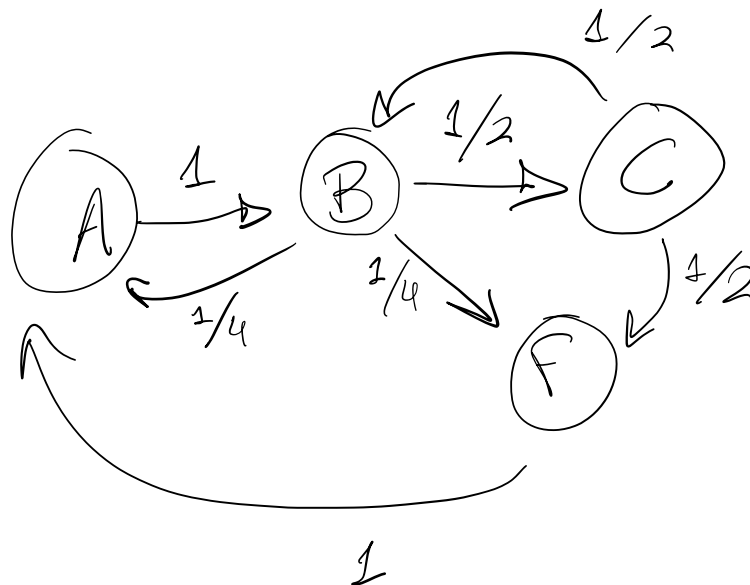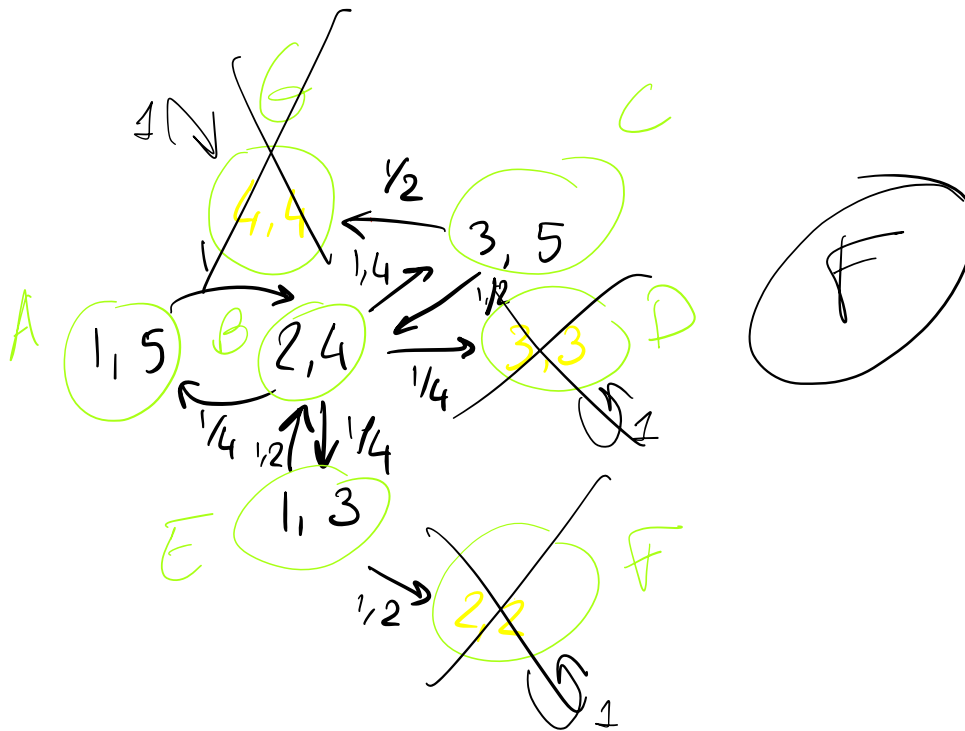
1/2

1   1/2

A   B   C

1/4   1/2

1/4

F

1

$$\mathbb{E}(N_{AF}) = 1 + \mathbb{E}(N_{BF})$$

$$\mathbb{E}(N_{BF}) = 1 + \left(\frac{1}{4} \mathbb{E}(N_{AF}) + \frac{1}{2} \mathbb{E}(N_{CF}) + \frac{1}{4} \mathbb{E}(N_{BF}) \right)$$