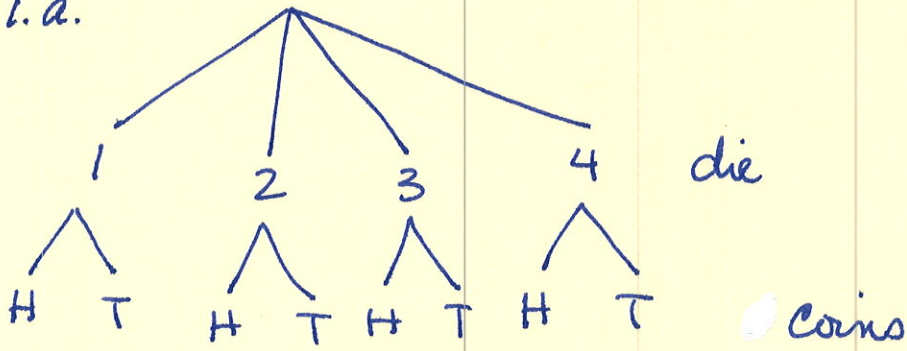


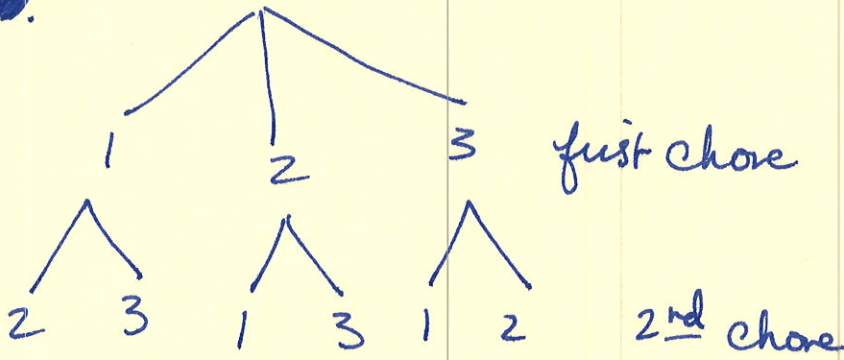
MAT 100 Homework #7 Key

1.a.



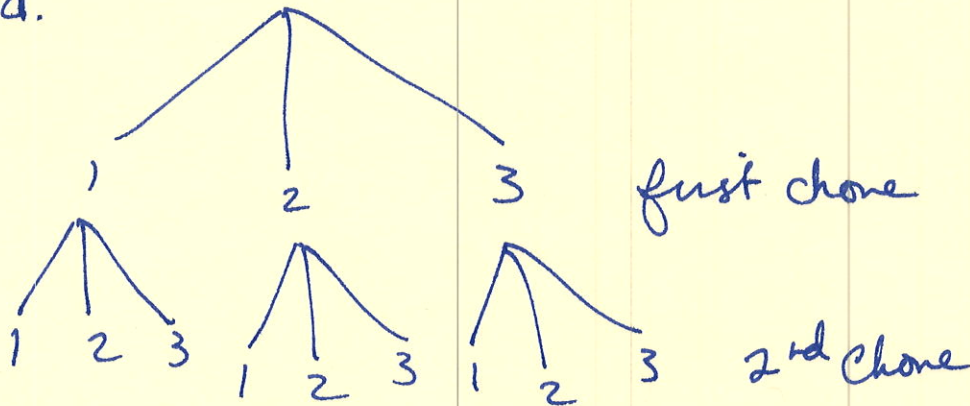
Sample space has 8 elements (2×4)

c.



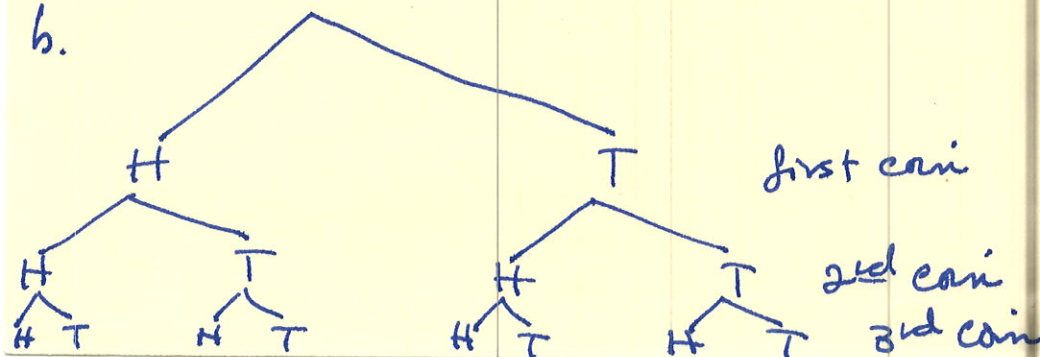
Sample space has 6 elements (3×2)

d.

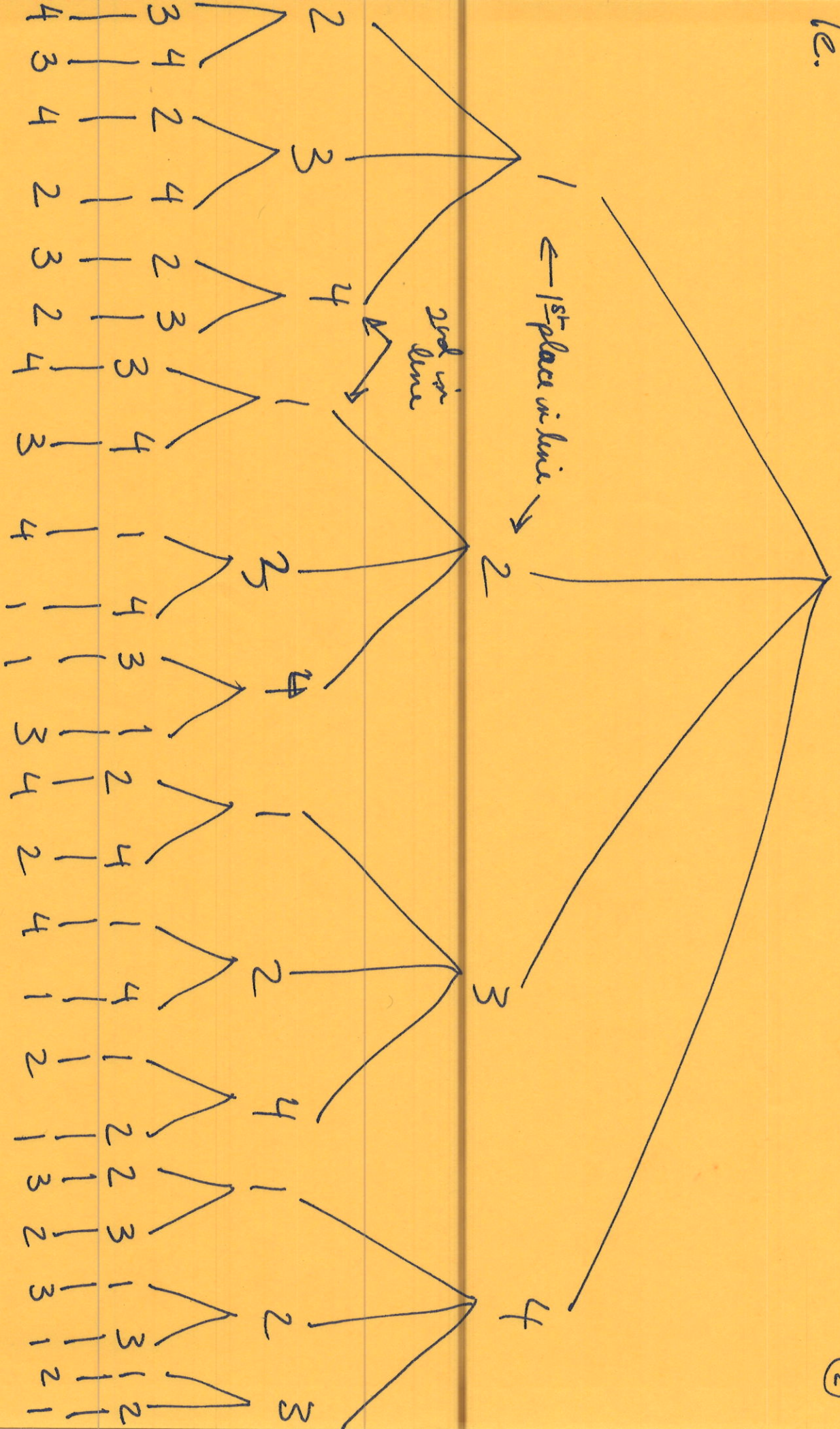


Sample space has 9 elements (3×3)

b.



Sample space has 8 elements $(2 \times 2 \times 2)$



← 1st place in line

2nd place in line

3rd in line

4th in line

Sample space has 24 elements

(4 × 3 × 2 × 1)