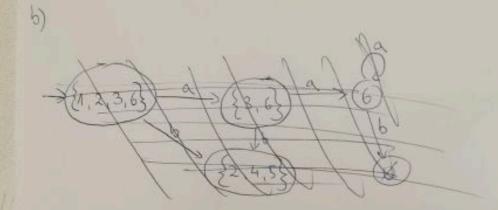
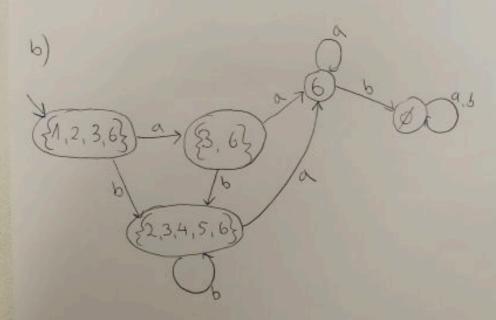
a) Because there are 6 nodes, there will be 2° states in DFA.





7.4

base step: 6 = 3.2 -> divisible

15 = 3.5 -> divisible

33 = 3.11 -> divisible

 $(s_1 + s_2) = (3 \cdot x_1 + 3 \cdot x_2) = 3 \cdot (x_1 + x_2) - \frac{1}{2} \frac{1}{2$ 

Si = 3.xi -> divisible Confusion: If we take any expression, we can always post divide appreciation it by 3 7.6 (ca)\* 99