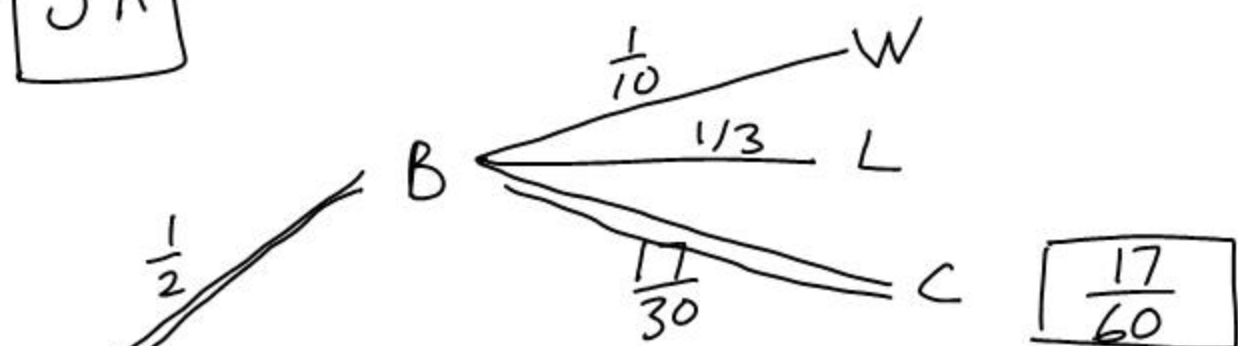
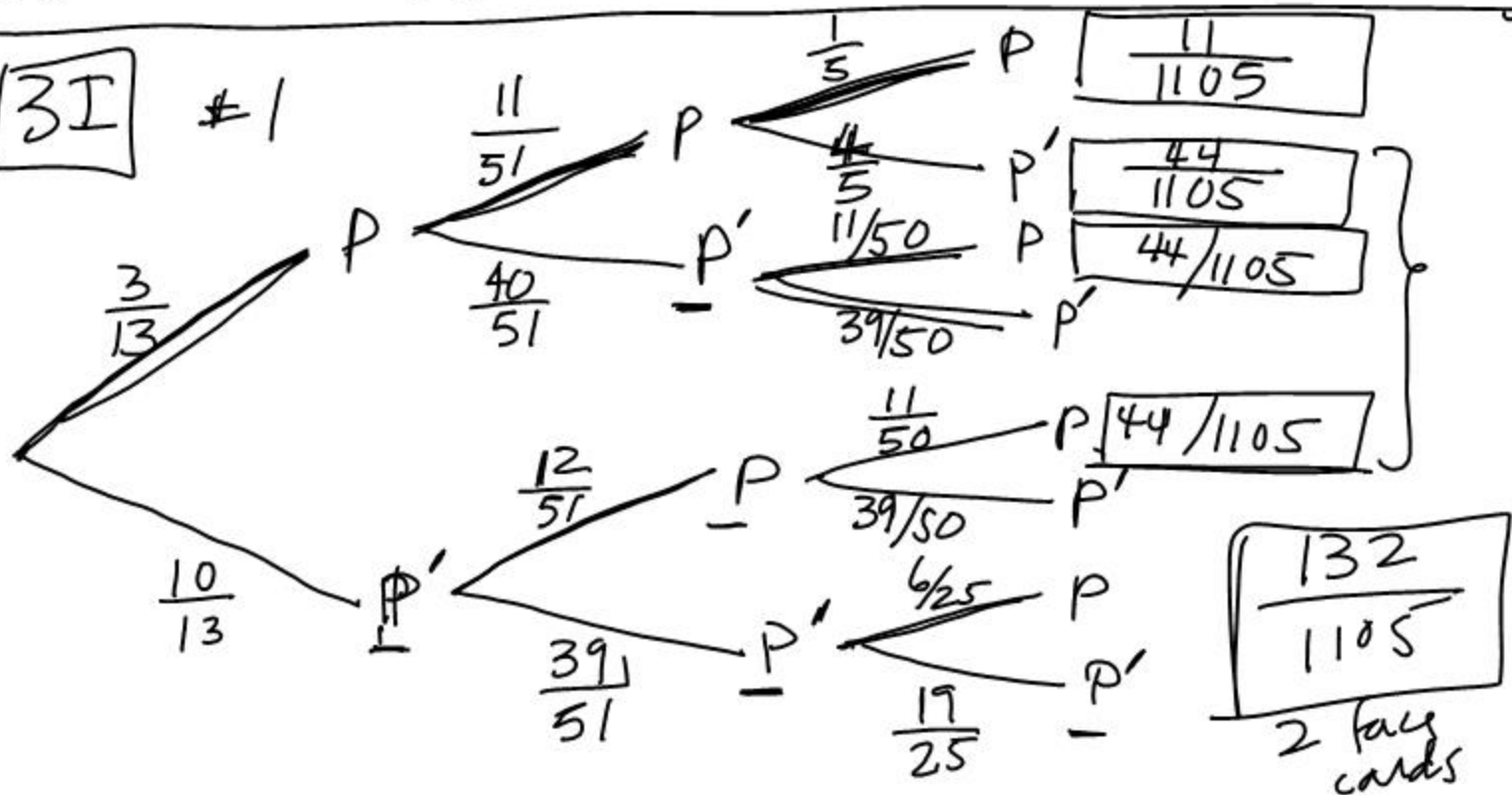


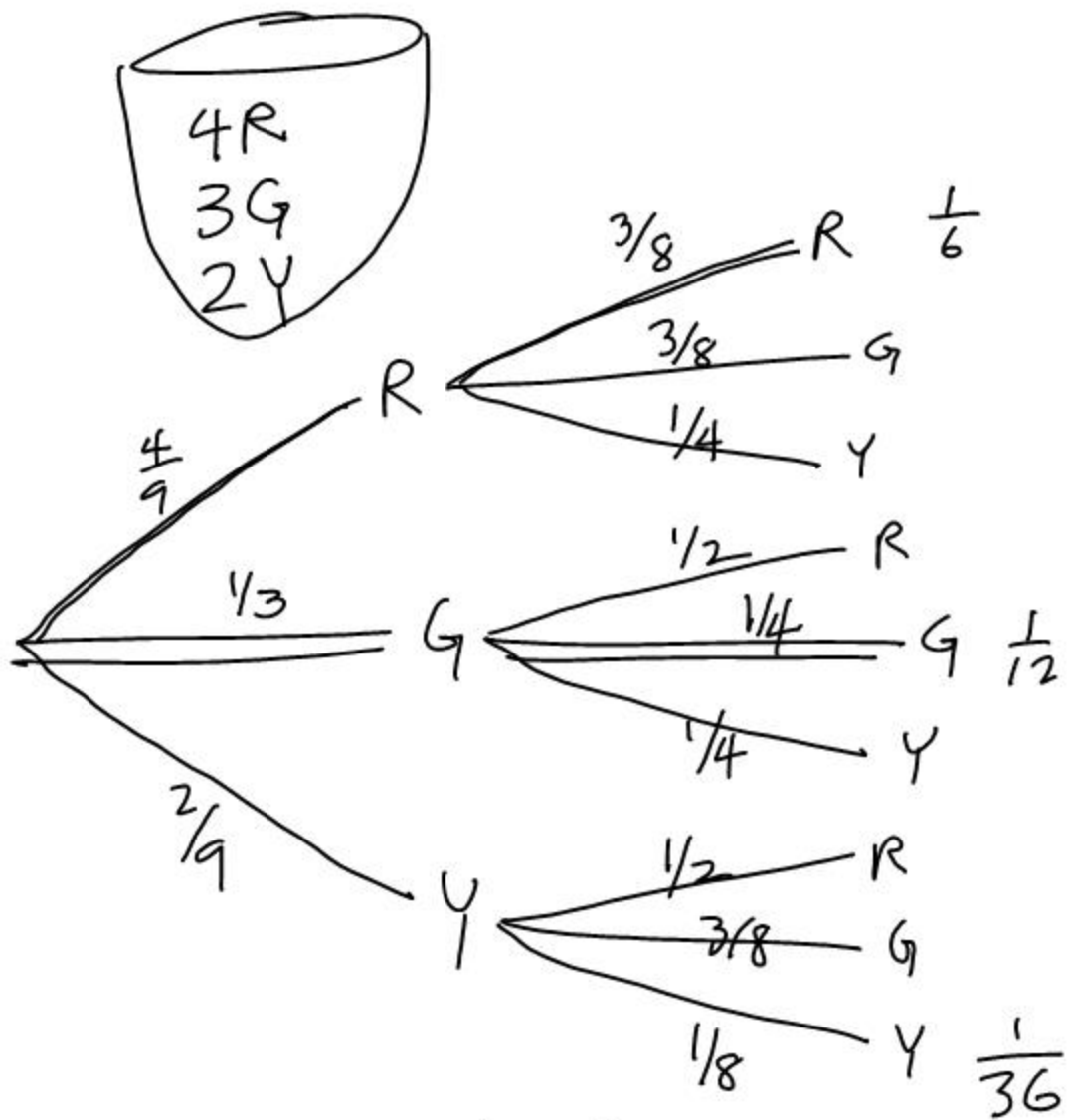
34



$$\frac{12}{60} + \frac{17}{60} = \frac{29}{60}$$

31 #1



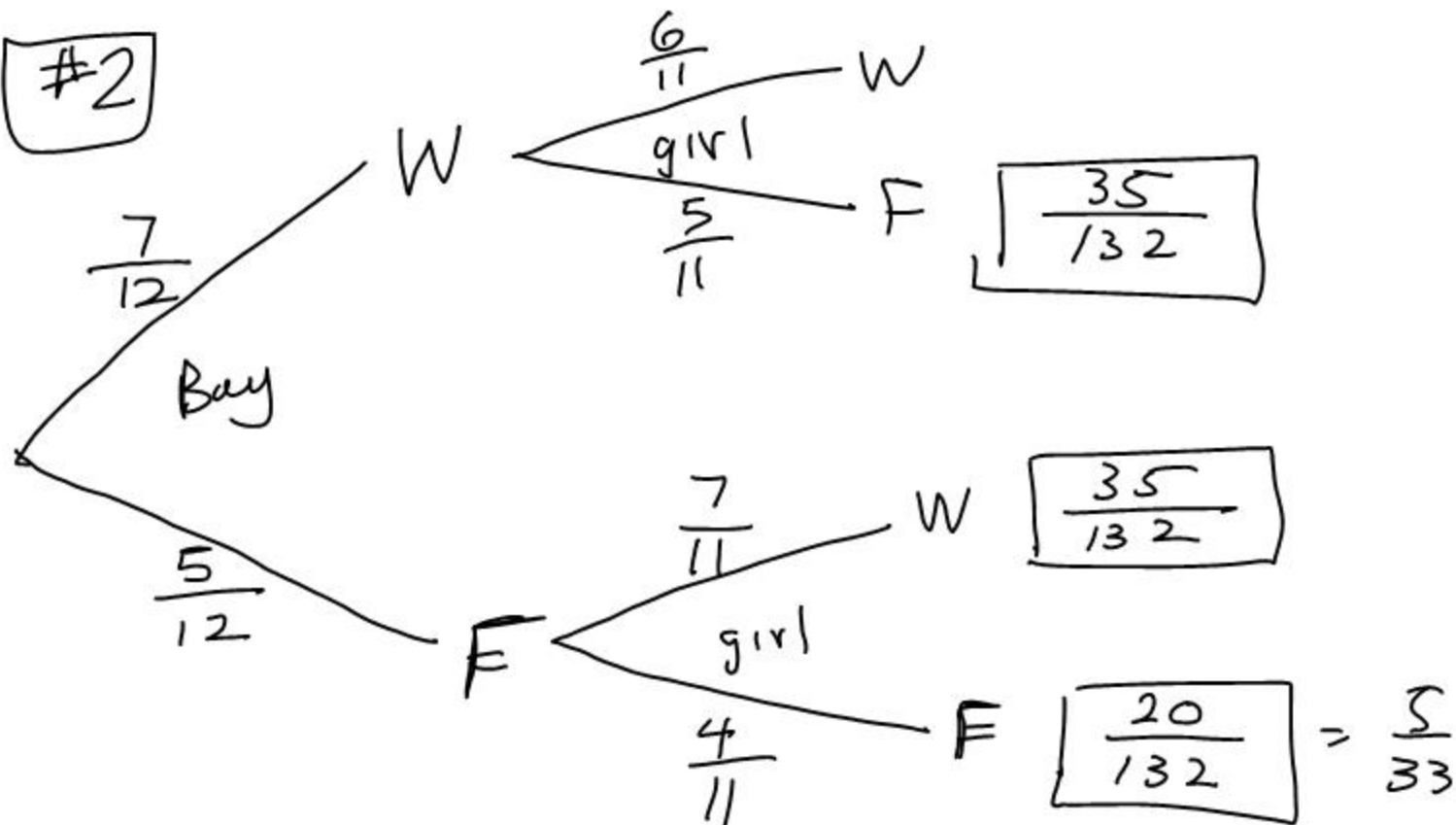


$$P(\text{same color}) = \frac{1}{6} + \frac{1}{12} + \frac{1}{36} = \frac{5}{18}$$

$$P(\text{no red}) = \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{36} = \frac{5}{18}$$

$$P(\text{at least 1 yellow}) = \frac{2}{9} + \frac{1}{12} + \frac{1}{9} = \frac{15}{36} = \frac{5}{12}$$

#2



(b) $\frac{90}{132}$

(c) $P(\text{girl gets F} \mid \text{exactly 1 faulty chosen})$

$$= \frac{P(\text{girl get F} \cap \text{ex. 1 faulty})}{P(\text{ex. 1 faulty})}$$