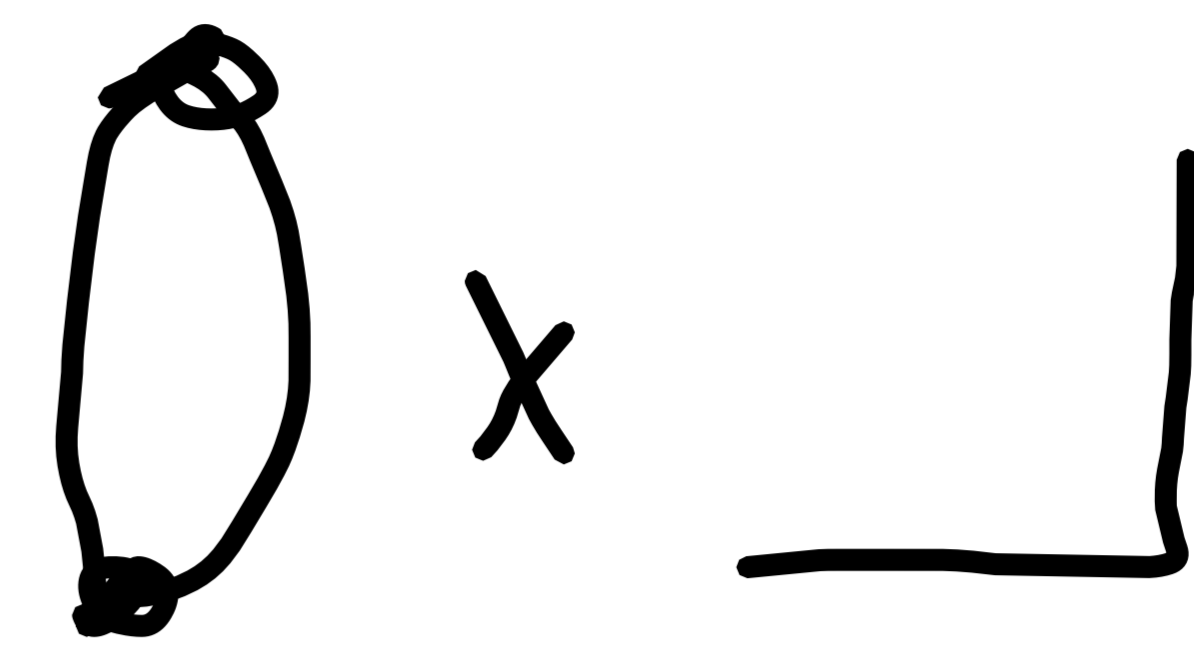
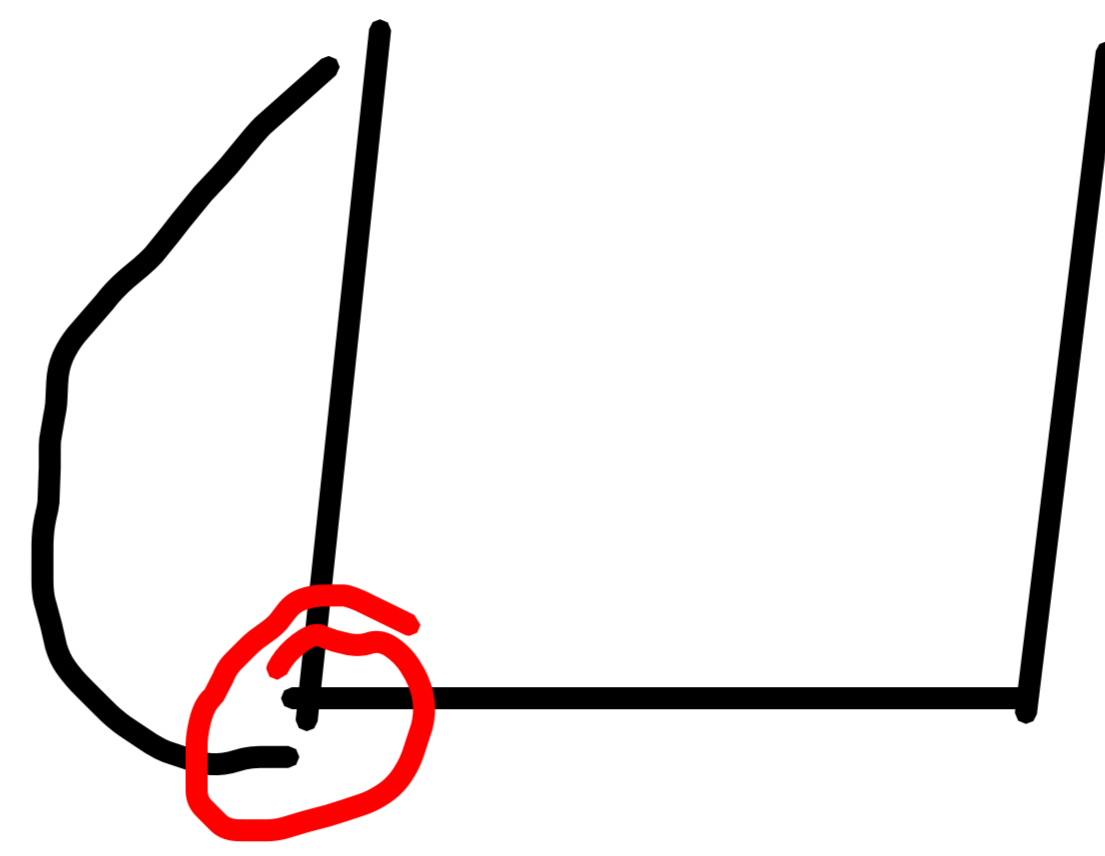
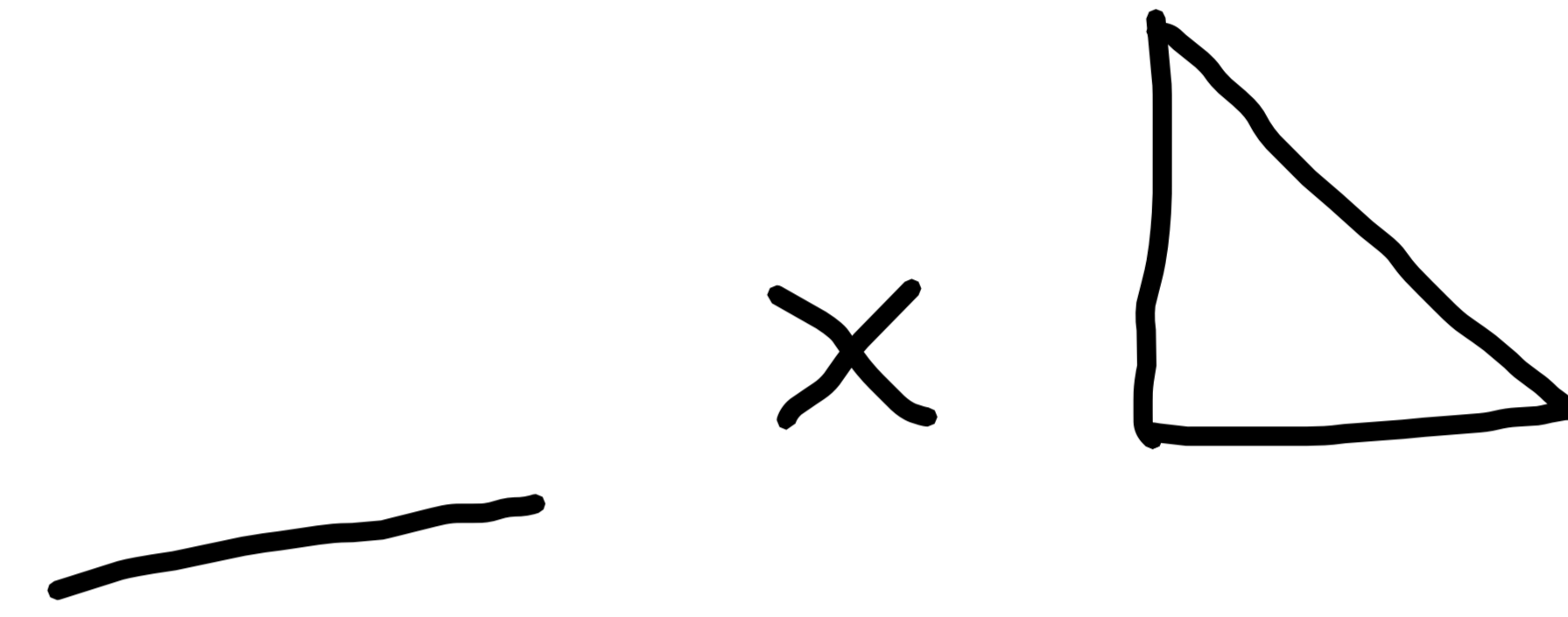
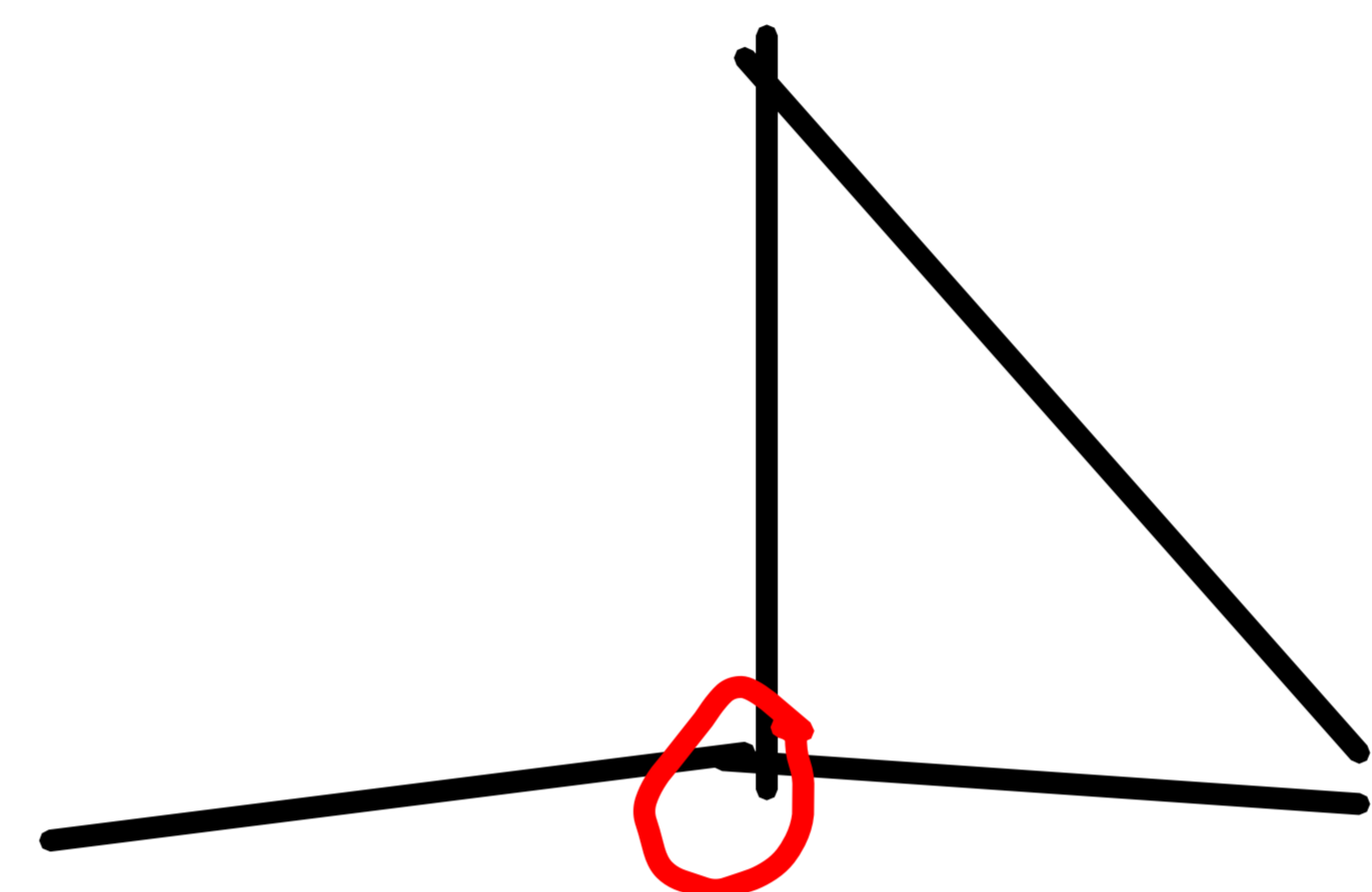


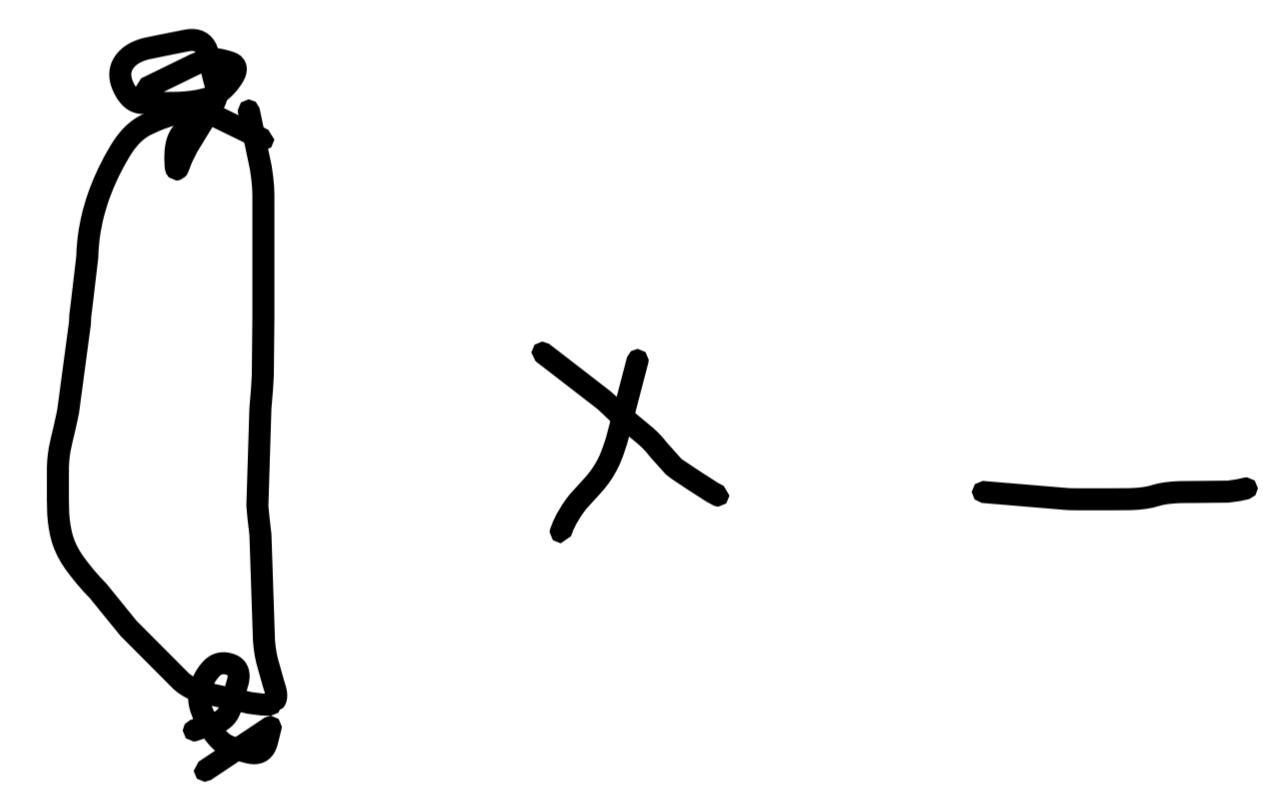
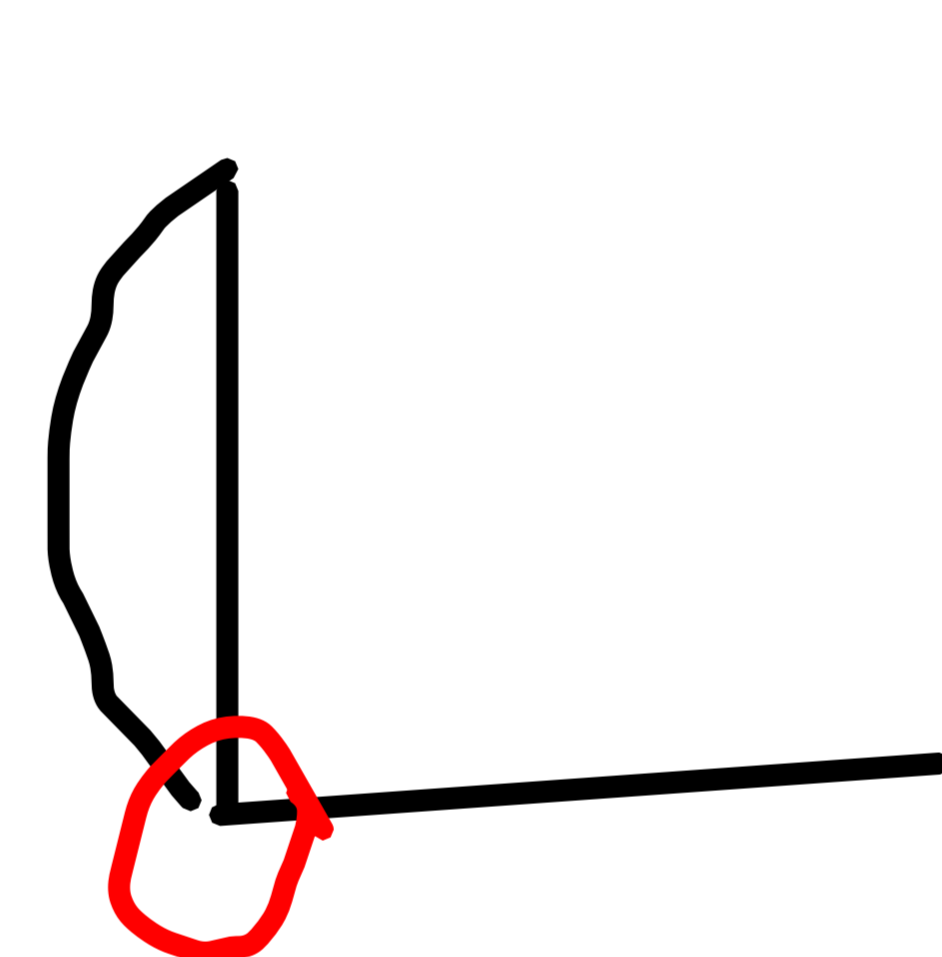
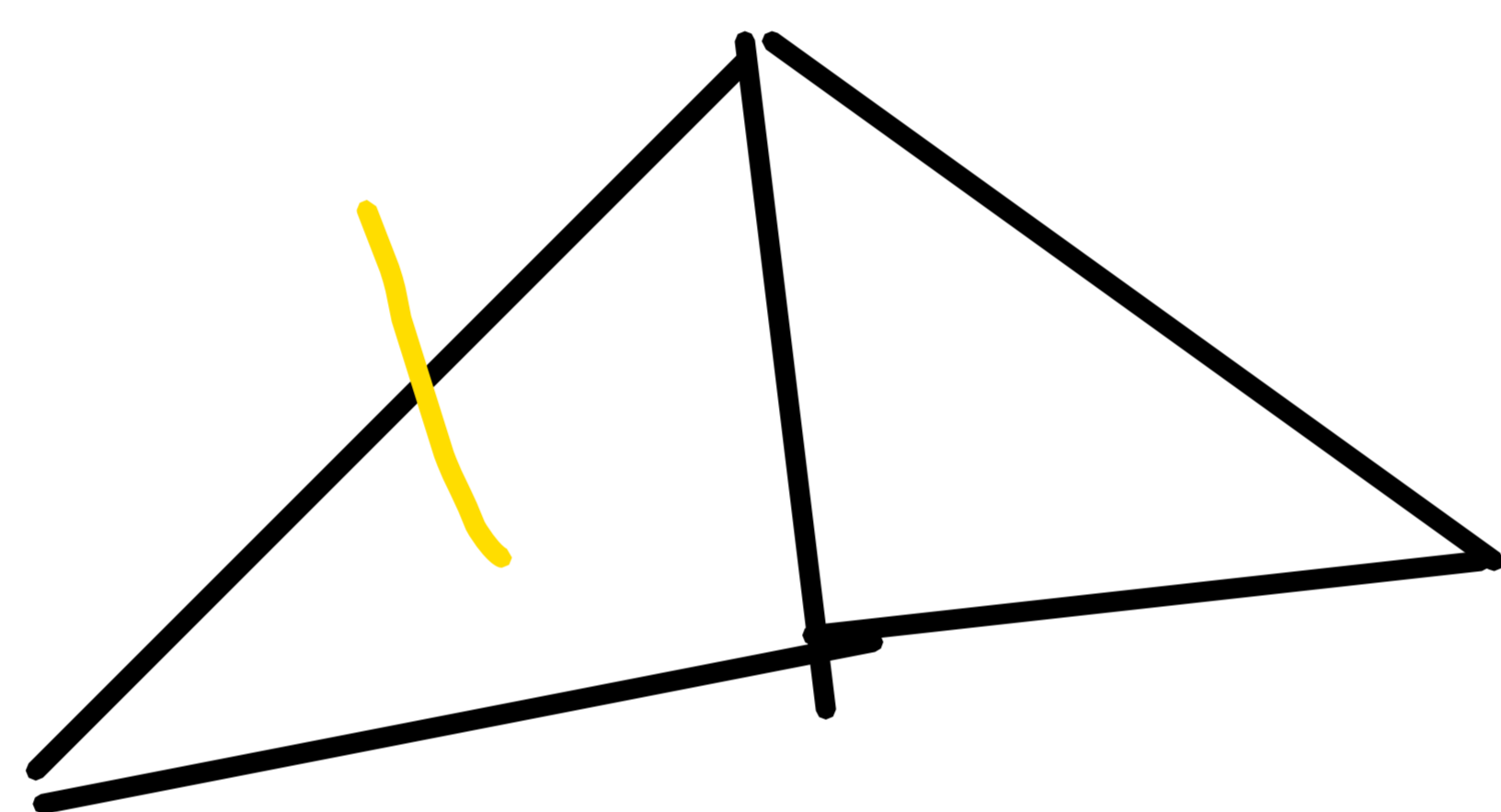
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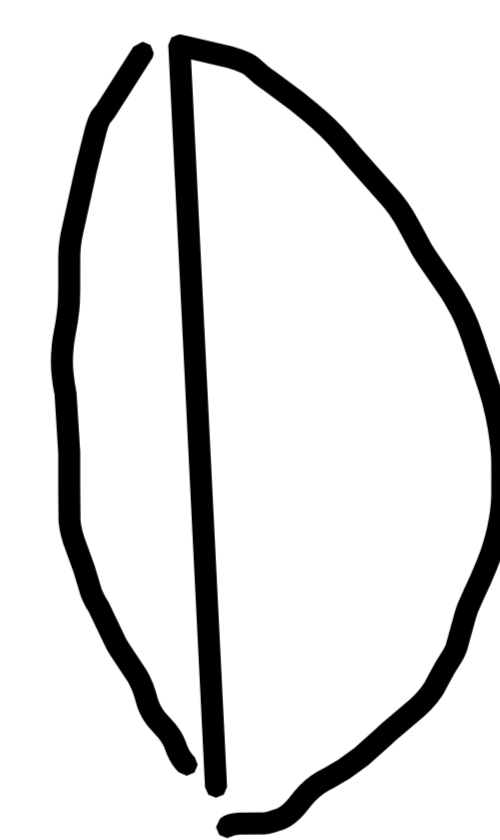
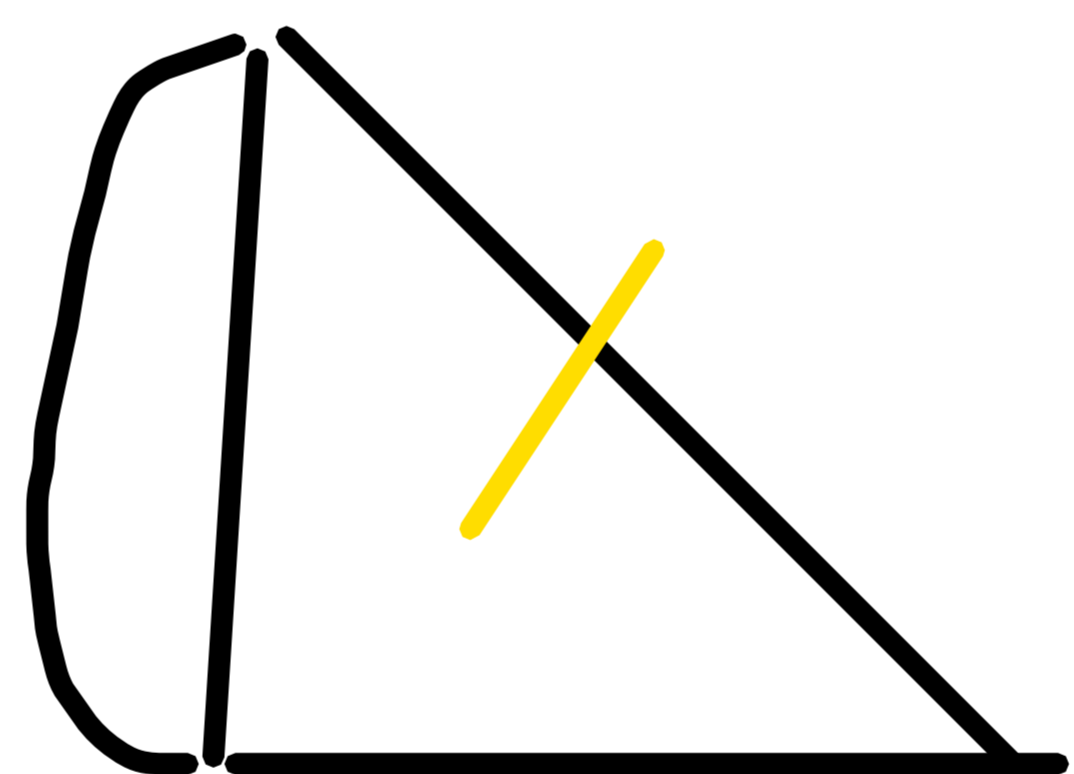
2



3

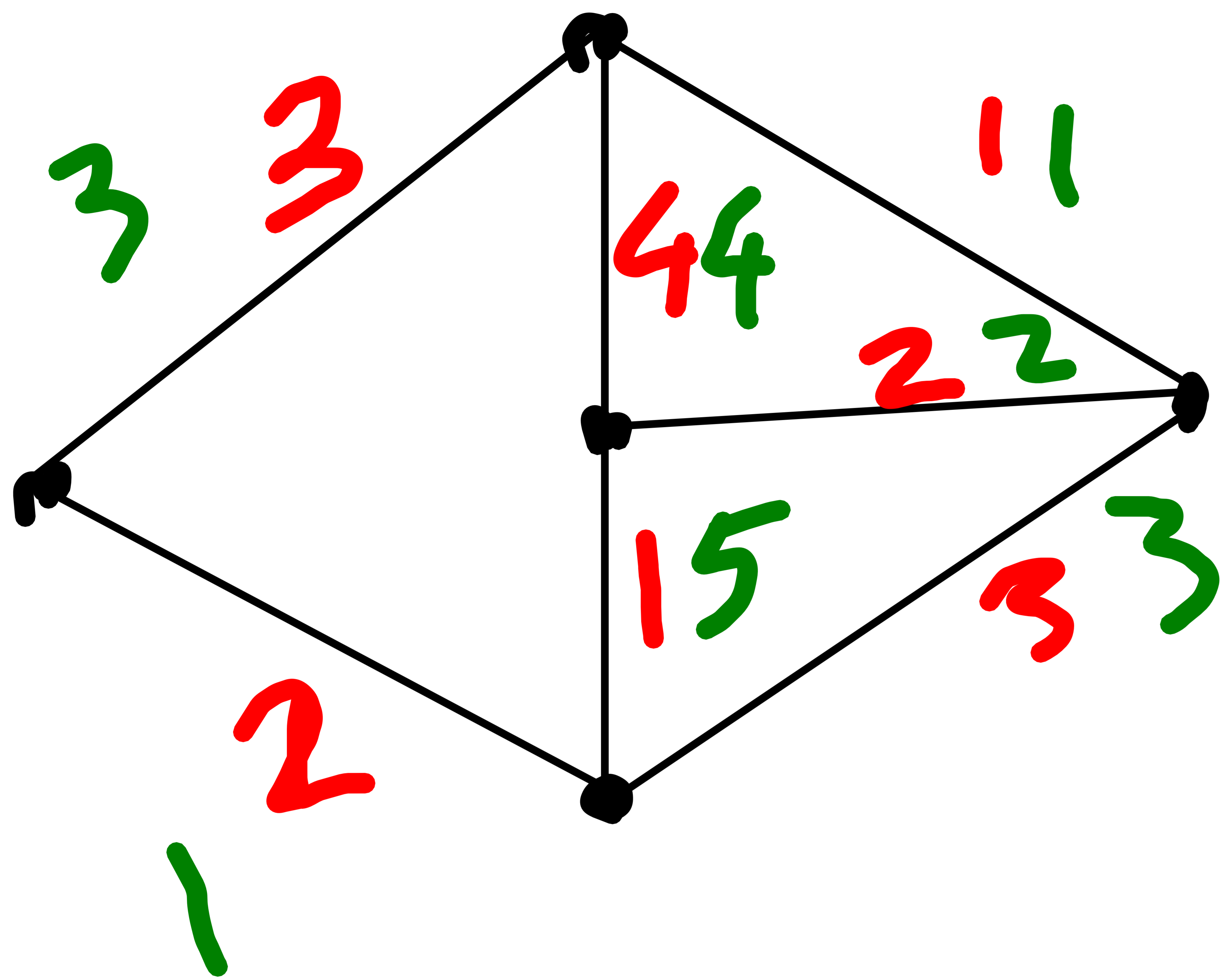


2



3

11



Clique  $\leftarrow$  Ramsey  $\leftarrow$  Independent set

complementary  $\alpha + \beta = \gamma$

Covering  $\emptyset$

bipartite  
 $|\text{min edge cov}| = |\text{max indep set}|$

Matching  $|M| \leq |K|$   
bipartite  
 $|\text{max } M| = |\text{min } K|$

$\alpha' + \beta' = \gamma$

Edge covering