

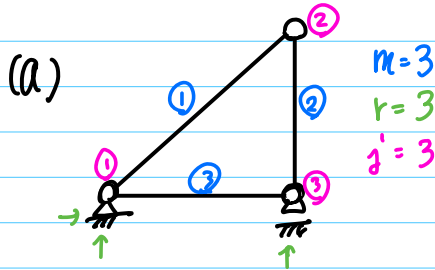
小テスト第3回 解答訂正

$$m + r - 2j$$

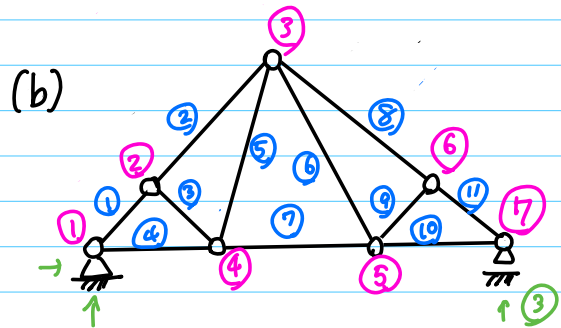
m : 部材数

r : 反力数

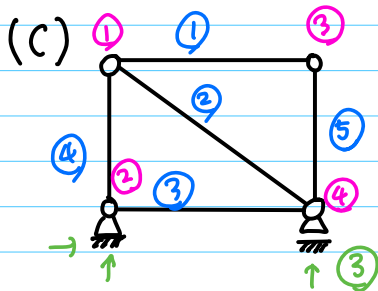
j : 節点数



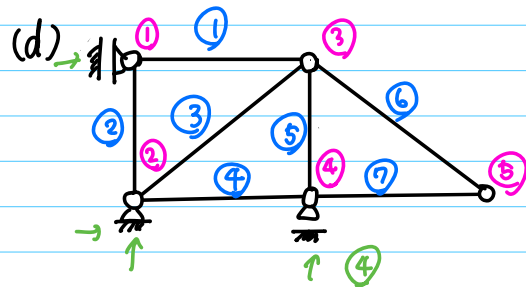
$$3 + 3 - 2 \cdot 3 = 0 \quad \text{静定}$$



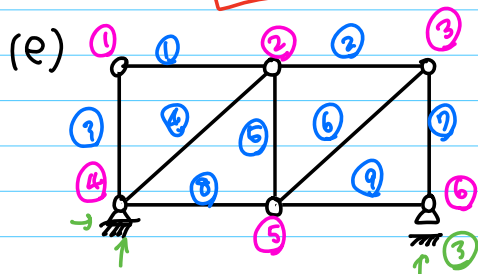
$$11 + 3 - 2 \cdot 7 = 0 \quad \text{静定} \quad \text{不静定}$$



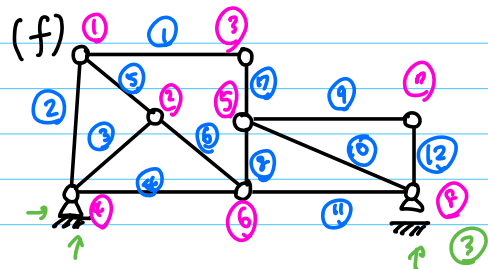
$$5 + 3 - 2 \cdot 4 = 0 \quad \text{静定}$$



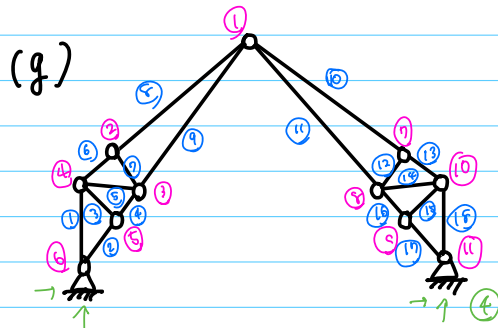
$$7 + 4 - 2 \cdot 5 = 4 > 0 \quad \text{不静定}$$



$$9 + 3 - 2 \cdot 6 = 0 \quad \text{静定}$$

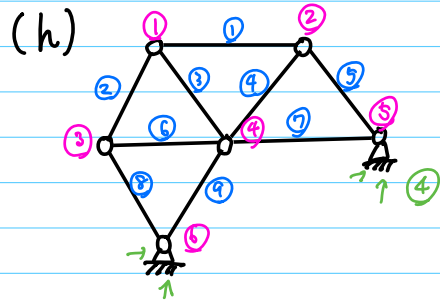


$$12 + 3 - 2 \cdot 8 = -1 \quad \text{不安定}$$



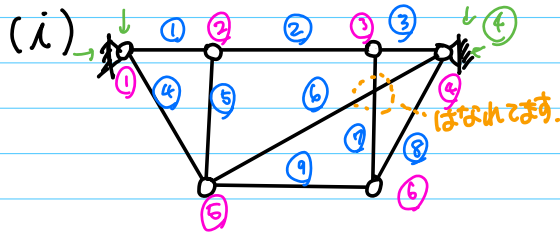
$$18 + 4 - 2 \cdot 11 = 0$$

静定



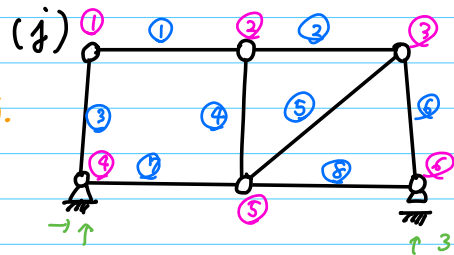
$$9 + 4 - 2 \cdot 6 = 1$$

不静定



$$9 + 4 - 2 \cdot 6 = 1$$

不静定



$$8 + 3 - 2 \cdot 6 = -1$$

不安定

解

不安定 = f j
 静定 : a b c e g
 不静定 : d h i

不安定 : f j
 静定 : a^b c e g
 不静定 : d h i