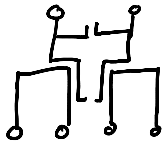


# Sam- och motverkande krafter

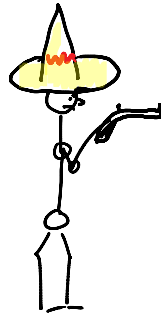
$$m \cdot v = m \cdot v$$



$$m \cdot v = m \cdot v$$

Bea o Jerker

Actionfilmen



$$m = 5 \text{ g}$$

$$v = 940 \text{ m/s}$$



$$m = 80 \text{ kg} = 80000 \text{ g}$$

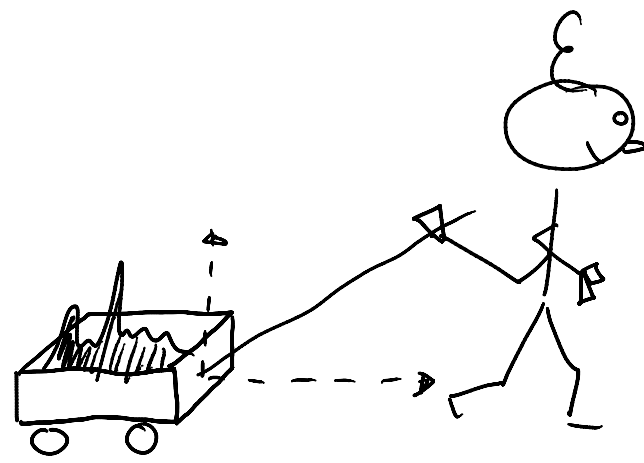
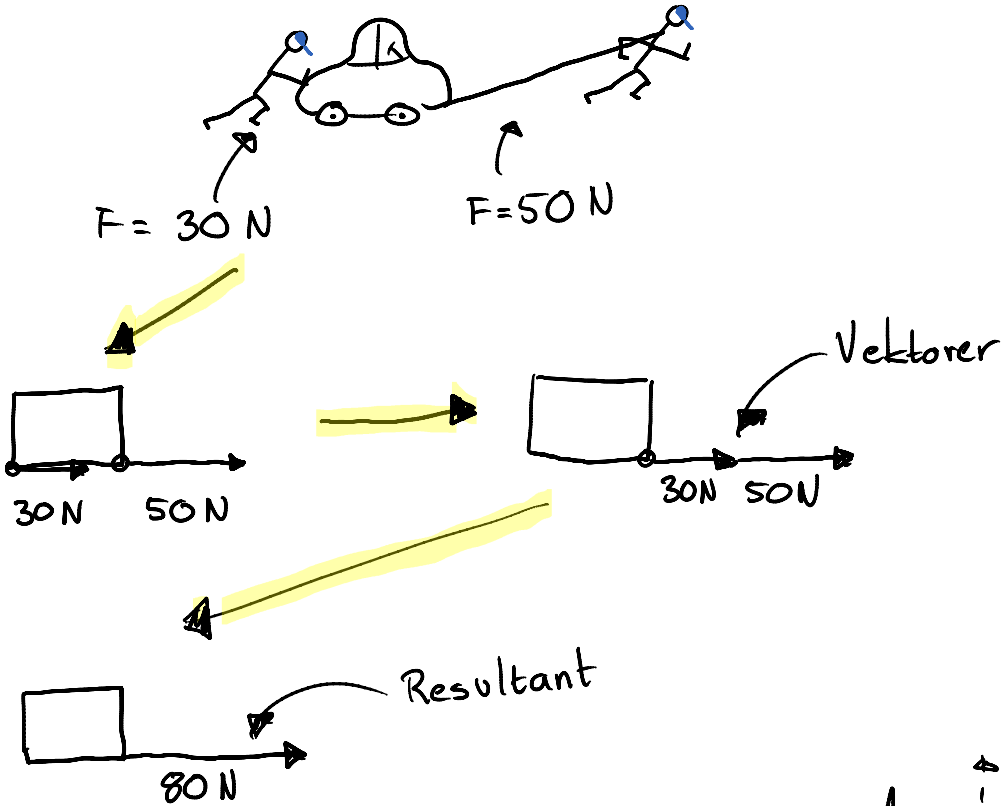
$$v = ?$$

$$5 \cdot 940 = ? \cdot 80000$$

$$\frac{4700}{80000} = \frac{? \cdot 80000}{80000}$$

$$0,058 = ? (v)$$

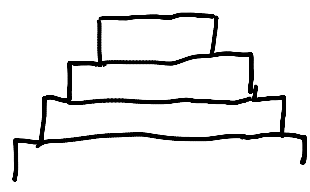
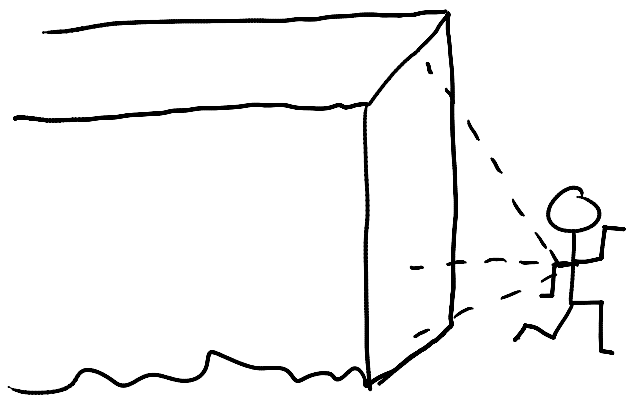
# • Samverkande krafter

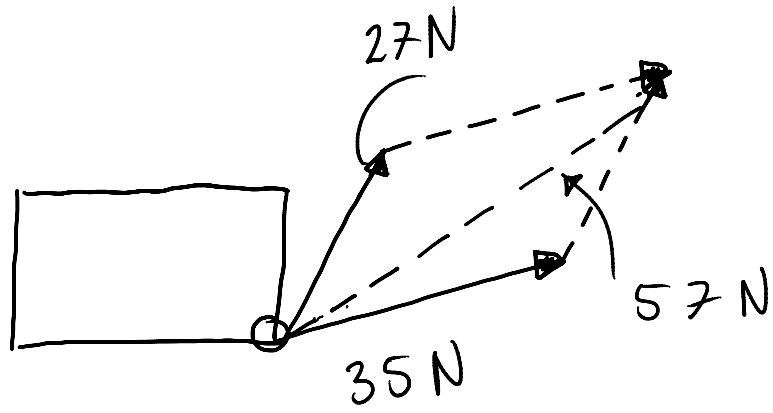


Barnet drar med  $30\text{ N}$   
Kraft upp:  $15\text{ N}$   
framåt:  $25\text{ N}$

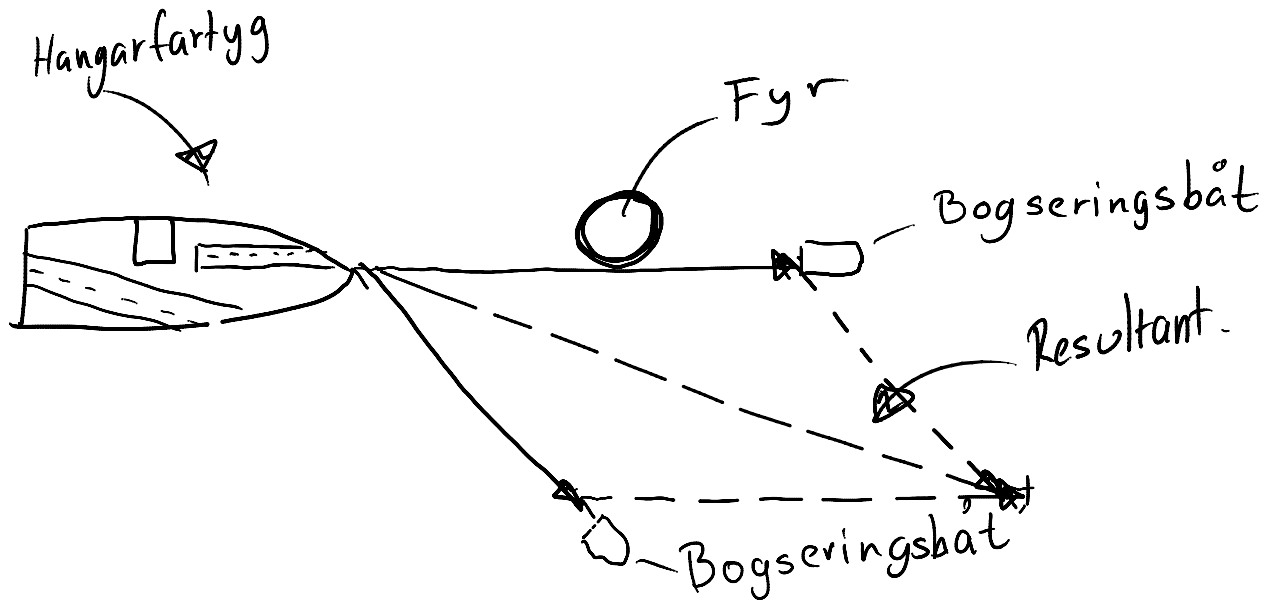
En kraft kan vara bestämd, endast om man vet kraftens:

- Riktning
- Storlek
- Angreppspunkt

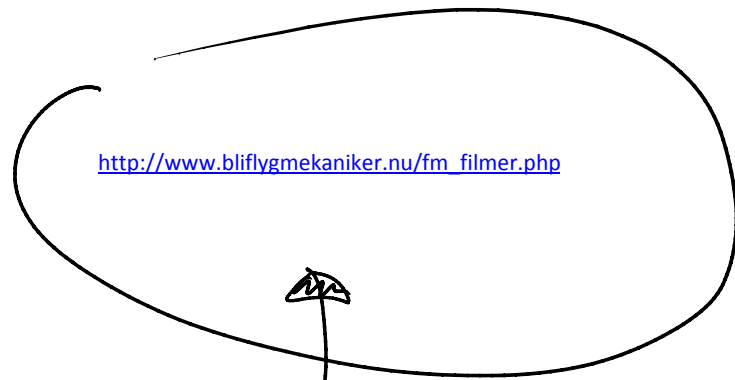
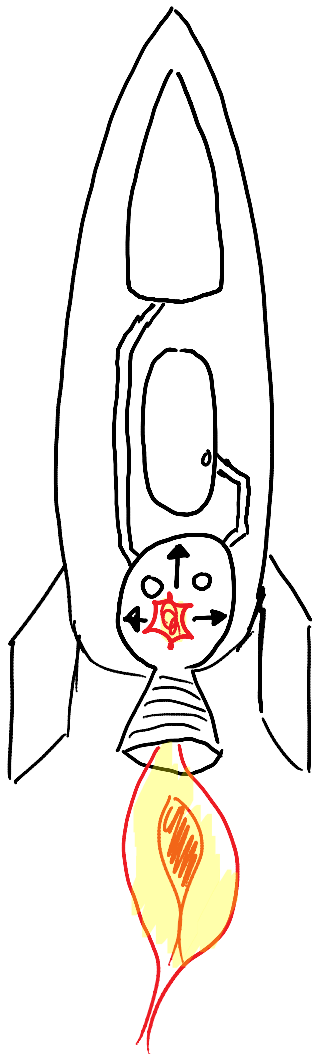
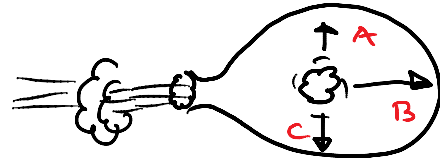
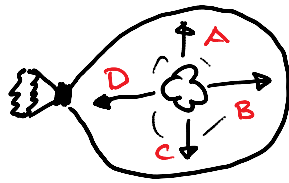




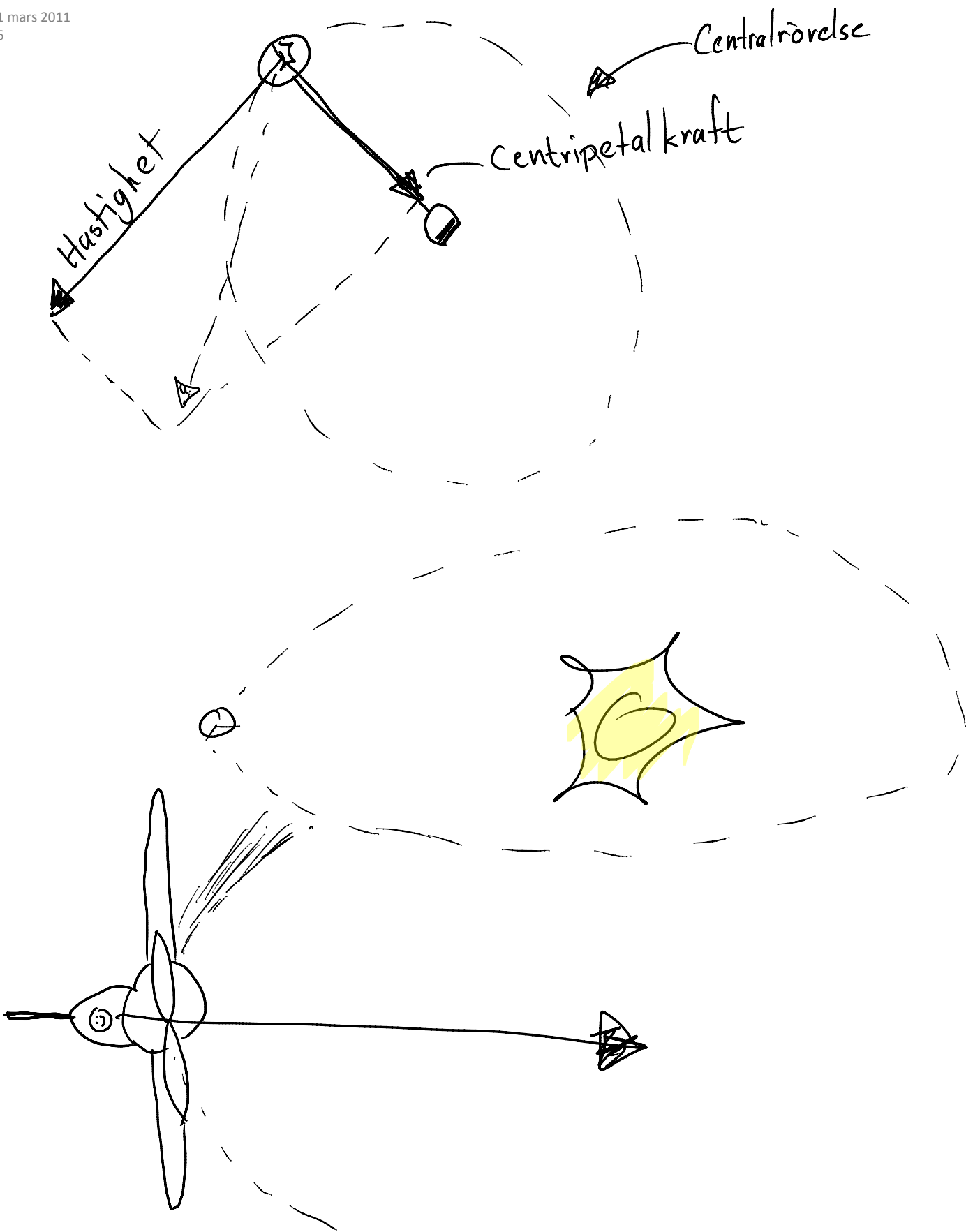
TVÅ eller flera vektorer kan sammanfattas i en resultant.



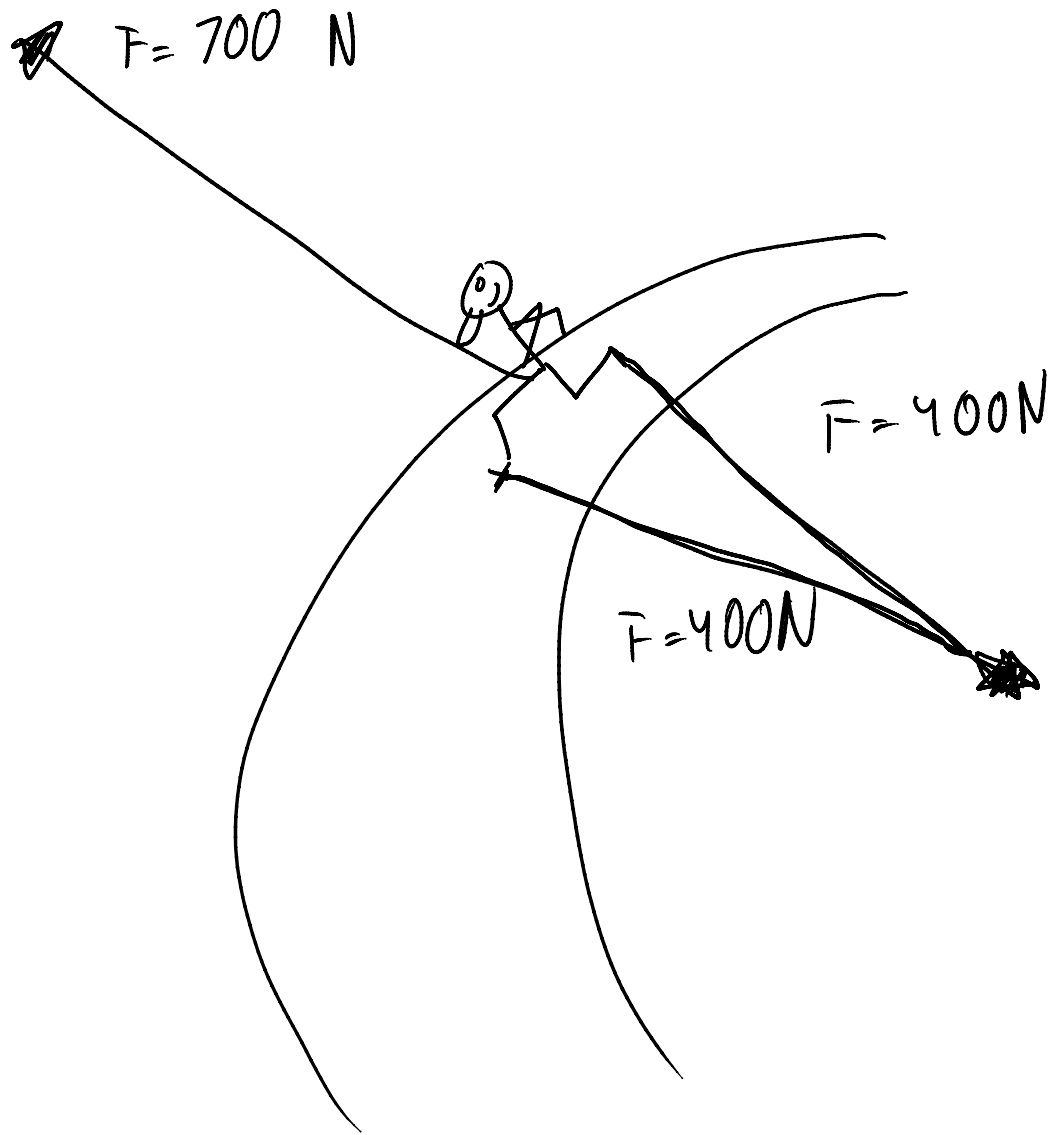
# Reaktionskrafter



Länk till jetmotorn



den 8 mars 2011  
11:20



# Satelliter och raketer

