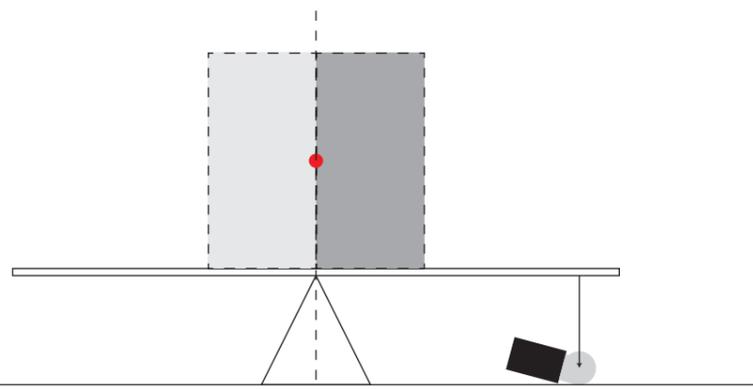
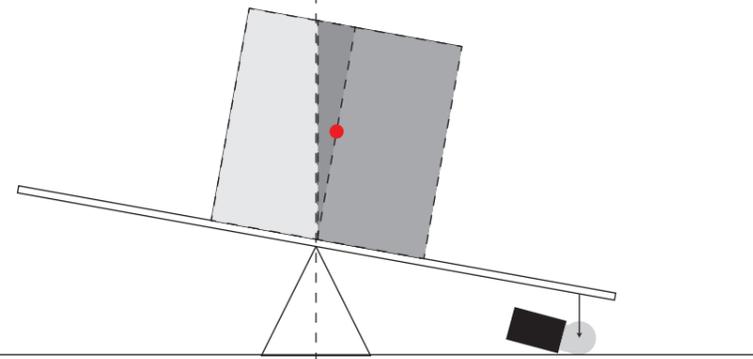


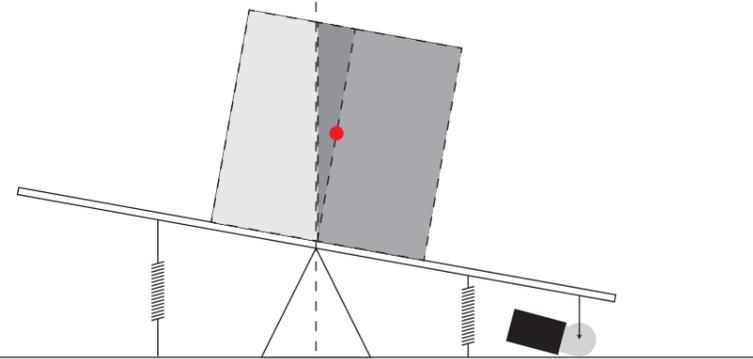
- =Center of gravity
- =Weight on right side
- =Weight on left side
- =Shifting weight



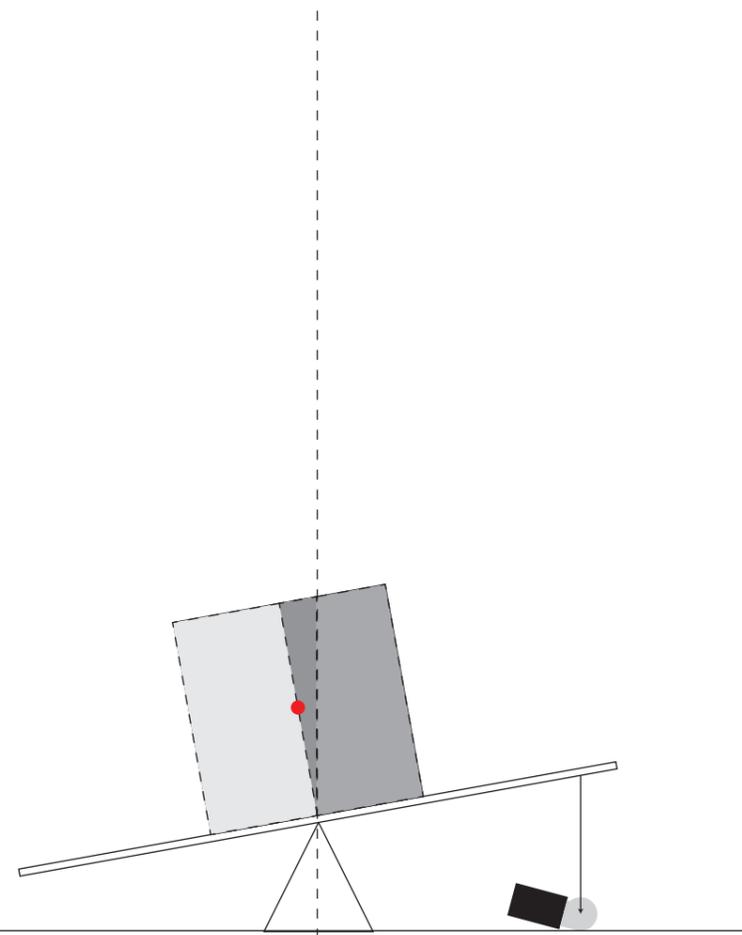
Balanced platform = no weight on motor



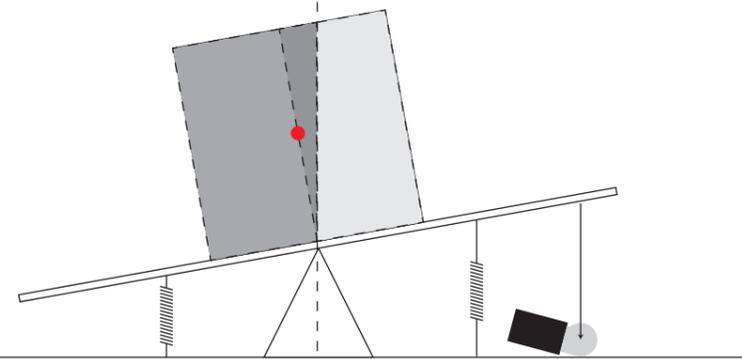
Tilted platform = weight pushes on motor
- platform wants to fall over, motor has to catch the entire shifting weight



Left spring "catches" the shifting weight , reducing motor load
(in the ideal situation it even wants to pull the platform back slightly to help the motor pull the platform back to the center)



Tilted platform = weight pulls on motor
- platform wants to fall over, motor has to catch the entire shifting weight



Right spring "catches" the shifting weight , reducing motor load
(in the ideal situation it even wants to pull the platform back slightly to help the motor pull the platform back to the center)