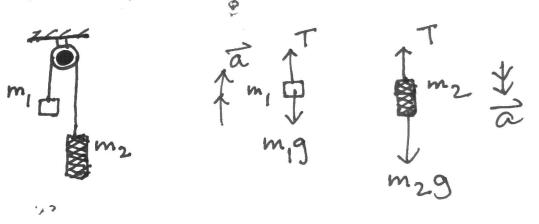
## Example

Atwood's machine. Two blocks are connected by a cord (of negligible mass) that passes over a frictionless pulley (also of negligible mass). The arrangement is known as Atwood's machine. One block has mass m, = 1.3 kg; the other has mass my = 2.8 kg. Find (a) the magnitude of the block's acceleration and (b) the tension in the cord.



N-2 Law:

T-mg= m,a m, :

m29-T=m2a. m2:

\* Find a, T by solving these 2 above equations simultaneously.