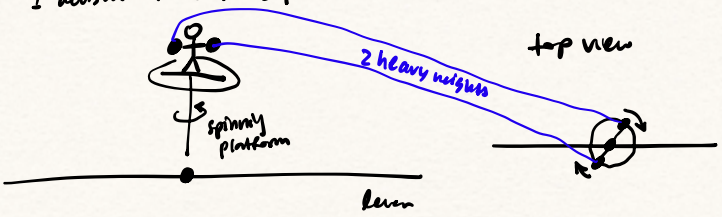
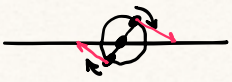
Reminded me of Archimedes law of lever which I knew previously had a story geometric/balancy. symmetry

I devised thought exp:



letting go of weights, they fly



and hit lever, causing it to turn.

double my arm length, weights hit twice as far from fulcrum.

"scale invariance symmetry" tells us therefore at distance d vs. 2d, weight must pack "twice the oomph" when "pushing" on lever, i.e. twice the velocity.

to balance out law of levers

Riemann mapping thm

