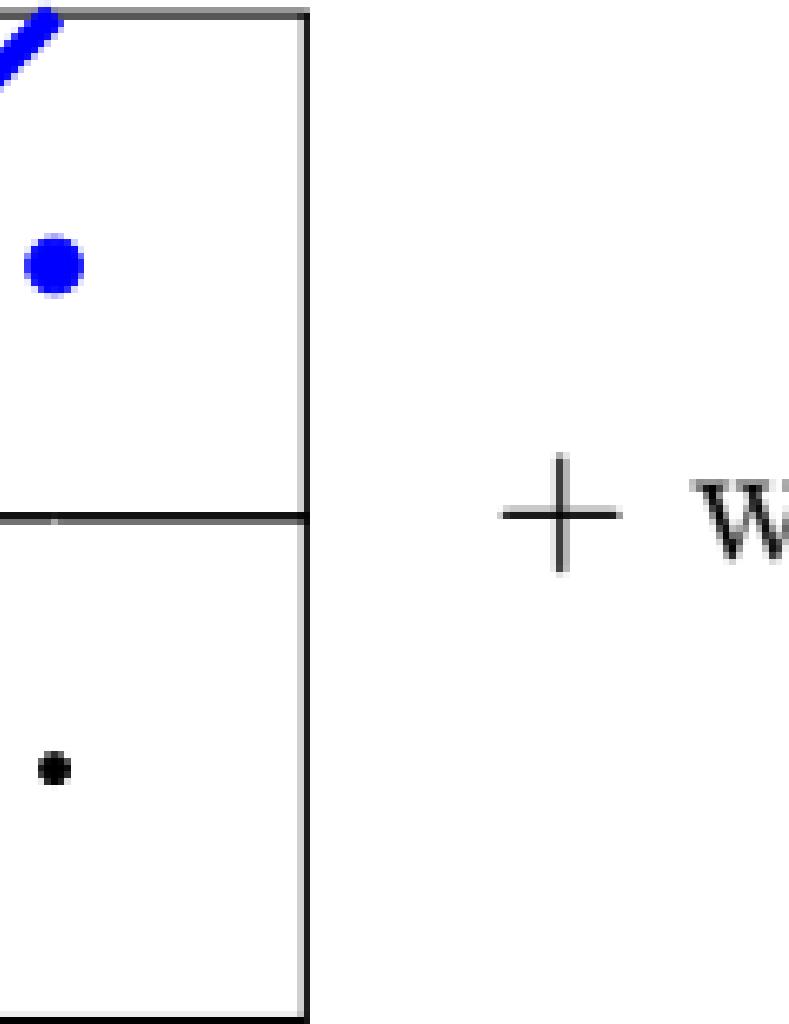


weight of



+ weight of



$$= \frac{a_2}{c_1} \cdot a_1 + \frac{b_2}{c_1} \cdot b_1 = c_2.$$