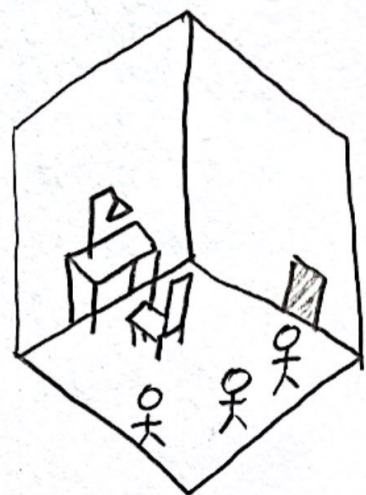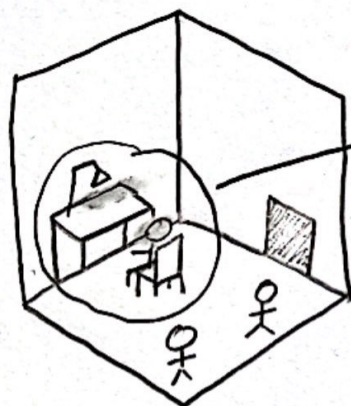OFF → no people in room or at desk

OFF → people in room but not at desk

proximity sensor   weight sensor
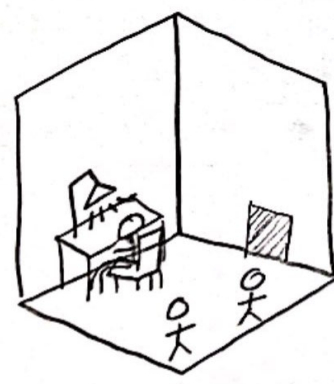
OFF → people in room and in chair, but both sensors aren't triggered (weight is, proximity isn't)
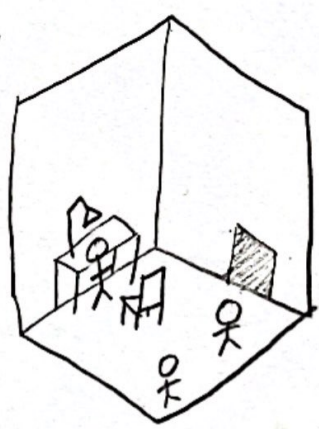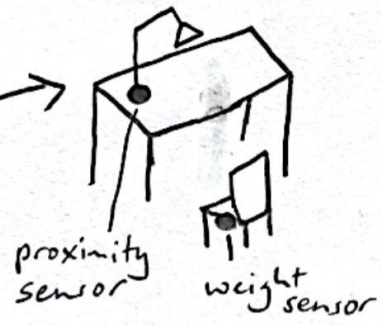
OFF → people in room and in chair, but both sensors aren't triggered (proximity is, weight isn't

ON → people in room, person at desk triggering both sensors