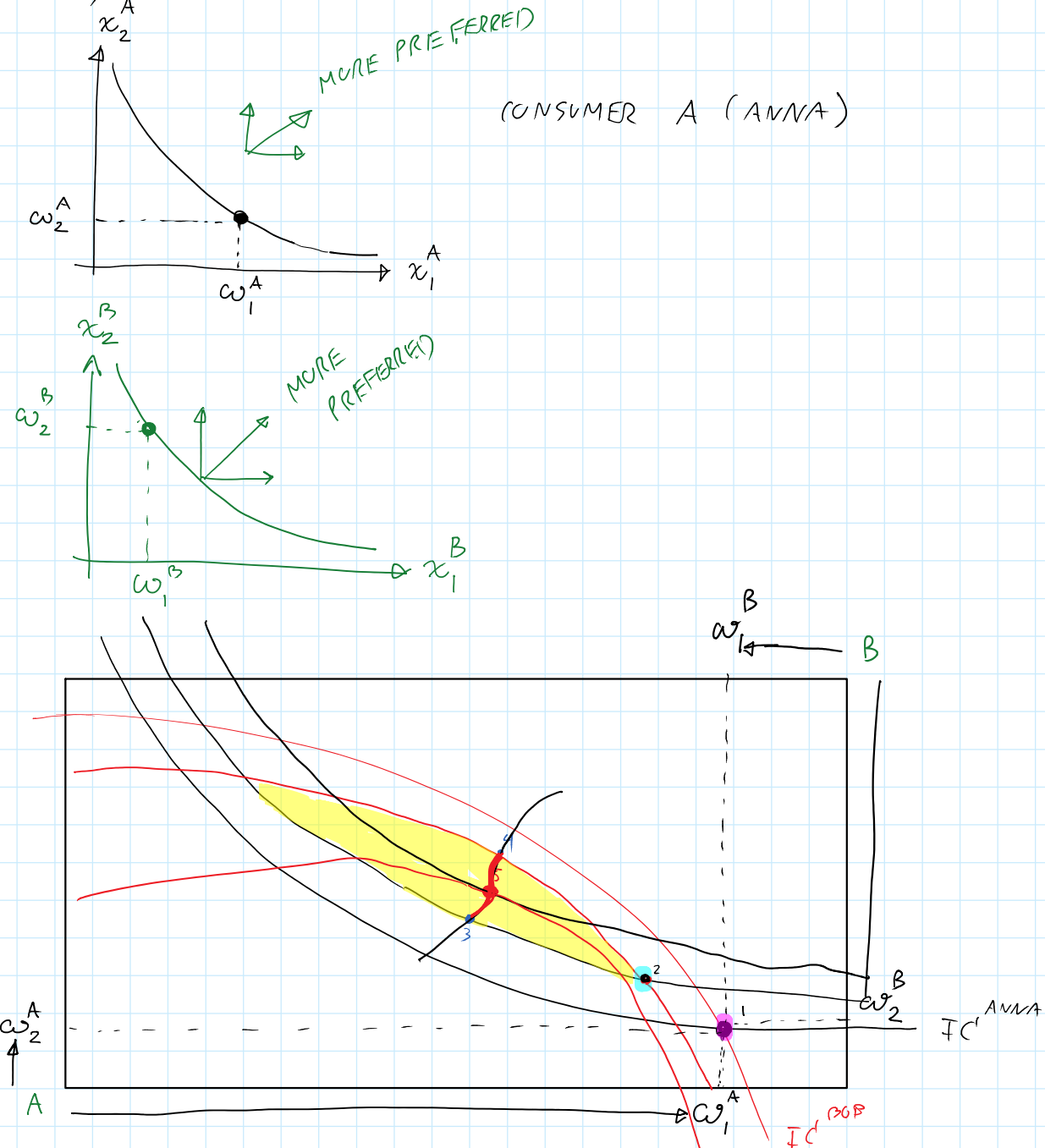


$$x_2^A + x_2^B \leq \omega_2^A + \omega_2^B$$

$(0, 4) \rightarrow$ FOR ANNA (A)

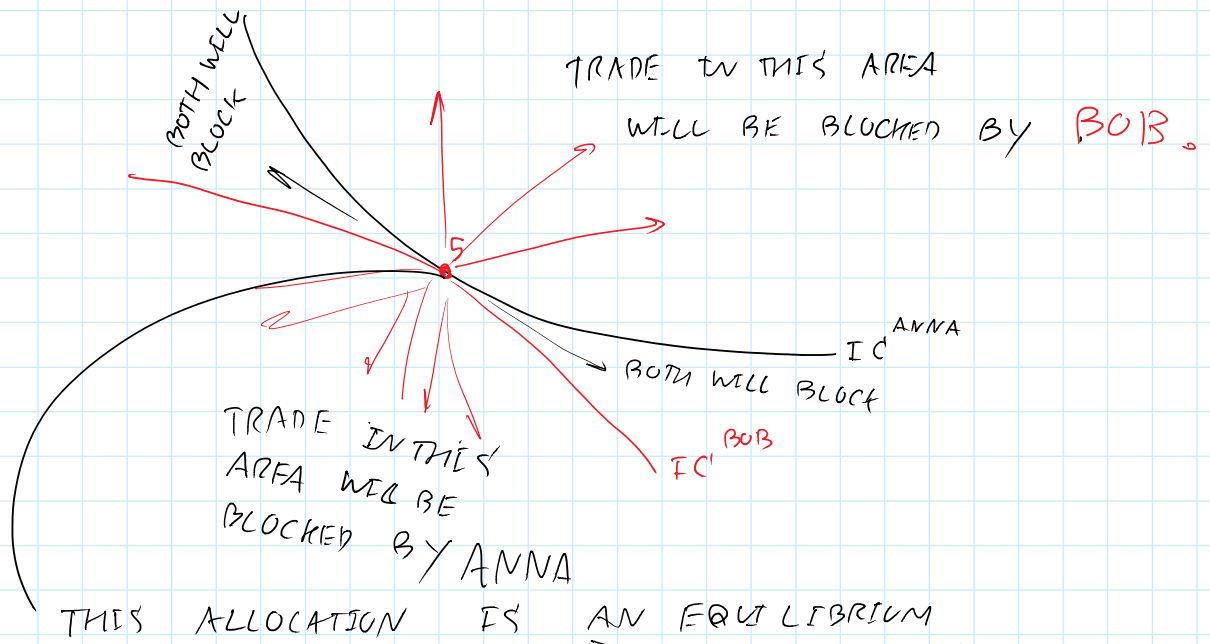
$(2, 2) \rightarrow$ FOR BOB (B)

NOW, ADDING PREFERENCES INTO THIS STORY...

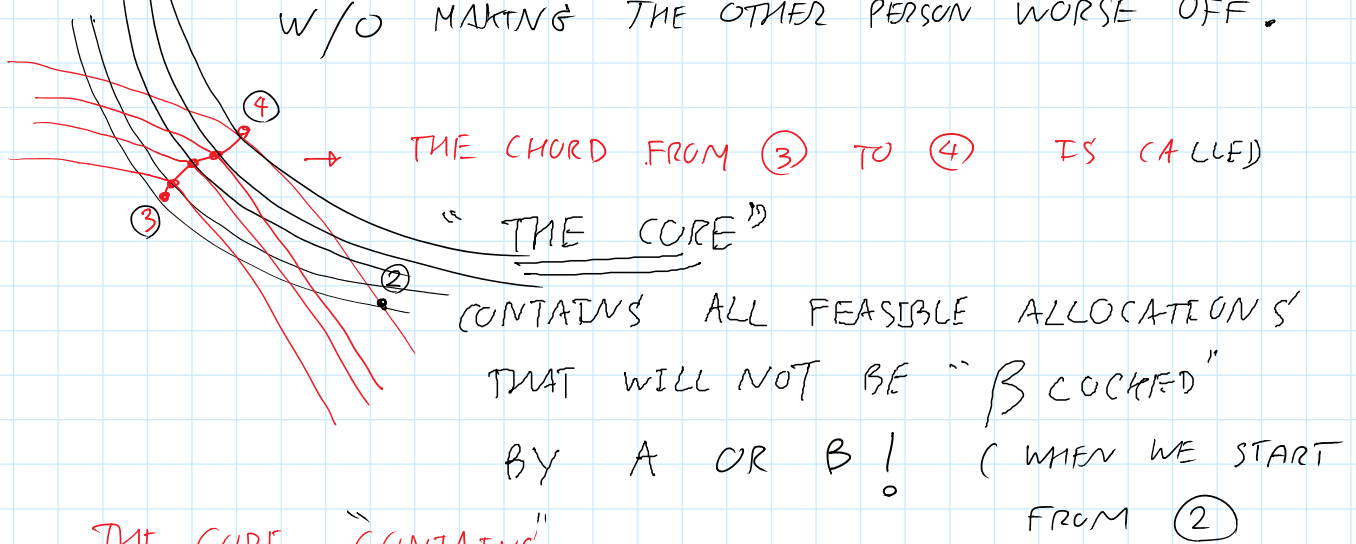


START FROM 2, ALL ALLOCATIONS IN THE YELLOW LEN ARE FEASIBLE. (WHY?)

- TRADE BETWEEN A AND B WILL FINISH AT POINT S WHERE THE TWO IC'S ARE JUST "BACK TO BACK". FURTHER TRADE WILL NOT BE POSSIBLE. (WHY?)



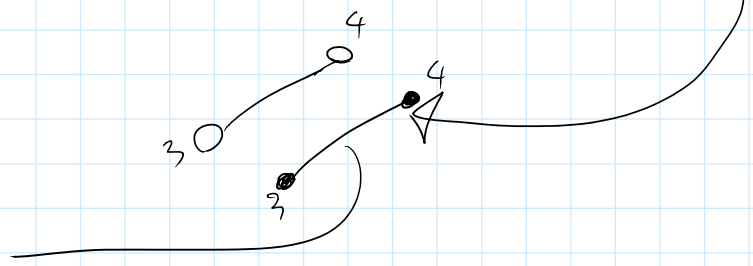
WE CALL THIS ALLOCATION "PARETO OPTIMAL ALLOCATION" SINCE NOW WE CANNOT IMPROVE WELFARE OF ONE PERSON W/O MAKING THE OTHER PERSON WORSE OFF.



THE CORE "CONTAINS" ALL POSSIBLE PARETO OPTIMAL ALLOCATIONS THAT ARE WELFARE IMPROVING FOR AT LEAST A CONSUMER OR FOR RELATIVE TO THEIR OWN ENDOWMENTS. BOTH CONSUMERS

NEUTRAL TO TRADE

CONSUMER'S



WHERE THE TRADE WILL END UP W/
DEPENDS ON HOW TRADE IS CONDUCTED.