separating epuilibrium through Sigmalling education es a bure signal education and forductivity (1) critical education ex (2) employer offers wege. WI il a Leux le contract

defenres a separating ef. e < e < eH  $M^{H}(0,M^{r})=M^{r}=M^{H}-E^{H}\cdot C^{H}=n(E^{H},M^{H})$   $\Gamma$   $M^{H}(0,M^{r})=M^{r}=M^{H}-E^{H}\cdot C^{H}=n(E^{H},M^{H})$ E = WH - WL EH = WH - WL C1 > C4 -> ELLEH

WL > WR = WR = WHR Parhicipation constraint We employer is a monop somist the contract does not meet:
incentive compatibility Constraint

THIS CONSTARINT SHOULD IMPOSE A CONDITION SUCH THAT (1) THE CONTRACTUAL WAGE IS WHIF EDUCATION = e\* AND OUTPUT PER HOUR = aH (2) THE CONTRACTUAL WAGE IS ZERO OTHERWISE. MOREOVER THE WAGE WHIM MUST BE LARGE ENOUGH TO MAKE THE HIM WORKER BETTER OFF BY SIGNING THIS CONTRACT, THAN WITH ANY OTHER COURSE OF ACTION.

Separating ephilibrium tull information, self selection Take-it on leave-it contract We = W if y = al and W = 0 otherwise H WH = WR if JH = and WH = 0 of hewish  $W_L(y = a_L) > W_L(y < 9r_L) = 0$ WH(4=a4)>WH(4 < a4)=0

Agmmedric information Particip. constraint NOW THE EMPLOYER OFFERS TO EVERY WORKER THE CHOICE BETWEEN TWO CONTRACTS, ONE WITH WAGE wL and task aL, THE OTHER WITH WAGE WH AND TASK ah. IF THE TASK IS NOT ACCOMPLISHED THE WAGE IS ZERO THE L WORKER HAS NO INCENTIVE TO CHOOSE THE H CONTRACT, BECAUSE HE CANNOT PRODUCE OUTPUT aH

TO MAKE SURE THAT THE H WORKER WILL SELECT THE H CONTRACT, THE WAGE

must meet the inauhive compahibatiby mostrains

if L1=1 1=91 y= a. . L.  $\int_{0}^{1} \int_{0}^{1} \int_{0$ 4 - 94 LH 1 > al. 1 = time necessory to H 2 por producing al (1= aL) Rest fine sen hour of a4) High he produces a Rout W (1 - at) Rest time Por H from signing contract L

for H + WR (1- al) Rent

WH = WR + (MR (1- al)) Rent

incentive competibility constraint