

1. each  $S_i$  classe 1 $\leq$  each day  
for  $NM$  classes.

2. Invariant:  $\nexists s_i$   $s_i$  rejected by  $u_i$   
 $\longrightarrow u_i$  has a better suitor.

if at some day  $u_i$  gets  $h_i \rightarrow$  best  
 $h_i$  will remain and test go home.

3. Proof by ~~XX~~. if  $S_i$  gets rejected  
by  $\forall U \rightarrow$  Shortage of  $S \rightarrow S \neg$  rejected. ~~XX~~

4.  ~~$\frac{1}{n} \sum_{i=1}^n x_i$~~ ,  ~~$\frac{1}{n} \sum_{i=1}^n y_i$~~  ✓

5. ✓

6. assume for  $\times$  that  $S_i - U_i$  is reg.

Case 1.  $S_i$  didn't apply

Case 2.  $H_0$  rejected.

7. by WOP first day of  $U_{opt}$  rejection

