Randomized load Balances or every job j= 1 to n Seate Random Number of) (= rand () of m + 1 x is in 1 to m Assign " to Machine of Incread Load o oad[x]=load[x]++ Load array

Analysis of Randomized Load Balancer njobs m machines Rij = Random Vasiable indicating
the load on machine i
when job j is assigned
to machine i Rij = to if jobjis assigned to E[Rij] = Expected value of Rij = ti* Pr[Rij=tj] to * Pr [Rij+tj] = toxpolRio=ti]to tj. * 1 ("Every Machine
is equally
likely for job) firstell Have job fices where ક્રોદ્ય એ નિર્બળતાની નિશાની છે.

