DATE Simulate Leadlock fo 3). Work a (program delection. #Brillide (Staro, h> Void main() print ("forthe the number of proallet and number of fyper of relations: ");

Start ("forthed", In, dm);

ind max [n] [m], need [n] [m], all [n] [m],

ava (m), finish(n), dead (n); int flag = I, C; fol (1=0; 1<n; 1+t) { prints "Enfu she maximum numbu of each sypert nulous needed by each process; m"); for (f = 0; i(n; i++)] jol (j = 0; j'(m; j++) {
Scarfl god ", d man [][j]; Printi C" Enter the allocated number of each type of relocuse for each process: \n"); folig=0;fsm;j+t/g Scarfl" fol"; fall (;JGjJ); printf (" Enter the available number of each

type of resource;) n");

for Cf = 0; j'< m; f + +) {

Scarf (" of.d"; dava [j]);

PAGE NO

PAGE NO: DATE Ja(1=0;Kn; 1++) for (j=0; j/m; j++) {
ned[f][j] = max(z)[j] = all [f][j]; While (flag) { \$(120) \(\lambda\) \(\frac{1}{2}\) \(\frac{1}{ if ((==m){ (01(j=0; j/m; j++); avacj=+= all []][j]; Int deadlock =0; if (Leadlock >0) [

PAGE NO DATE print ("Deadlock hot Occured; \n");
print ("Deadlock hot Occured; \n");
print ("The deadlocked proculy are: \n");
el (1=0; i' & deadlock; i++);
print ("Pold"; dead [1]); print ("No Leadlock hat occurred 1 m). Olifort 1relouget: Endu the maximum metings of each type of relouise -procels: I 7 allocated number of clack for each resoula 3 01 Pladlock has occurred; Leadlocked proasy care: PO