## DEADLOCK PREVENTION

agourn for Diadioik Prevention

ALMORITHM FOR INPUT () MEP O: START STEP 1: Prompt the ull so enter the number of procules (n) and number of morne Intances (2) STEP 2: END Prompt un 10 enter me More Maris valver for each process and movim combination and you in mone amay ITER 3: Prompt um to enter the Allocation Makix values for carn prous and survive commation and store it in 'alloc'away. JEP 4: Prompt me um 10 enter me available surcus and more it in me varil'amay.

ALMORITHM FOR SHOW()

STEP 0: START

STEP 1: Print me mader with columns

for prown, Allowation, Masc and

Available resources:

grom i=1 truen print proceunumen P(i). Sprint Allocation valves is punt Mone values 3 Duplay Available rudine ALMORITHM FOR CALL) STEP U: START STEP 1: For earn proces 1=0 vill n-1, and each recomme j=0 till 9-1, alutale Neld Mahix value as Ned(i)[j] = Marc(i)[j] - Fleo(i)[j] STEP 2: Install & finish anujao har finher process. STEP 3: Enstralire 'flag' to 1 to indicate deadlock detection look. i) set flag is true, in) For earn process = 0 mll n-1 Instalire counter c 100. III) For each process = 0 Ill 9-1 · To readis(i) (i) L= avail(i). annement i. · To cowals or release recomes mark process of finished, update available movies and kt STEP 94: cherry on procen is still

arginished. grages 1 and dispeay deadlock in it no deadlock is detected, diplay
"No Deadlock Occurs". PUNDRITHM FOR MAIN()
TEPO: START JEP 1: call the necessary functions sor deadlock prevention, ENPUT(), SNOW(), CALL). STEP 2: END. REJULT Experiment executed succentually & output obtained.