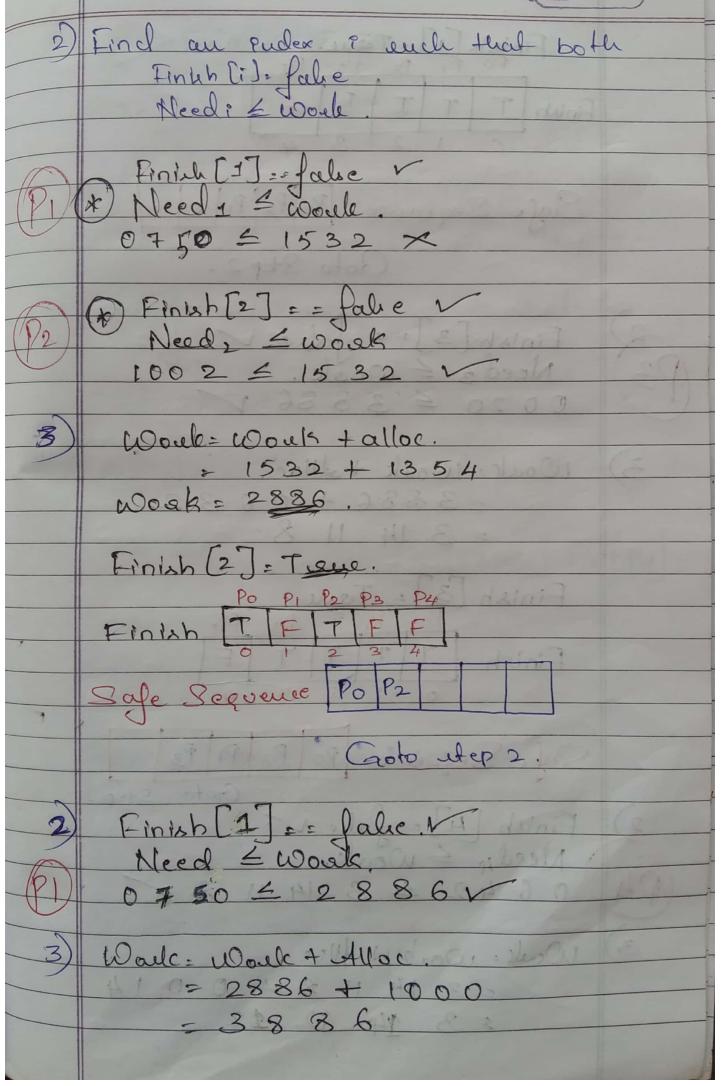
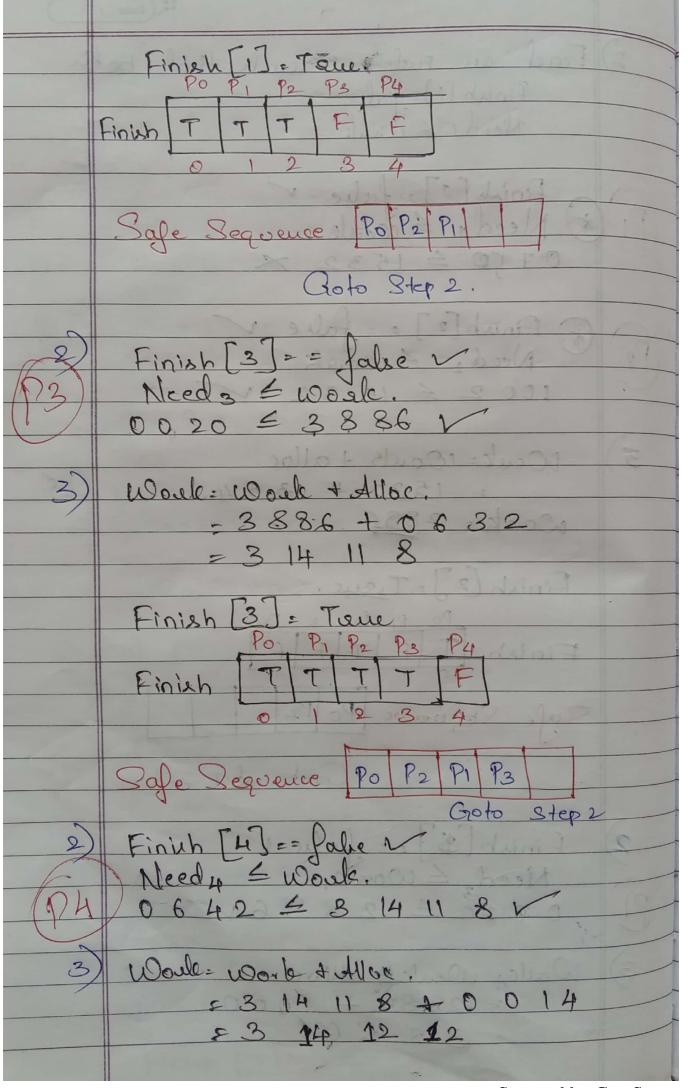
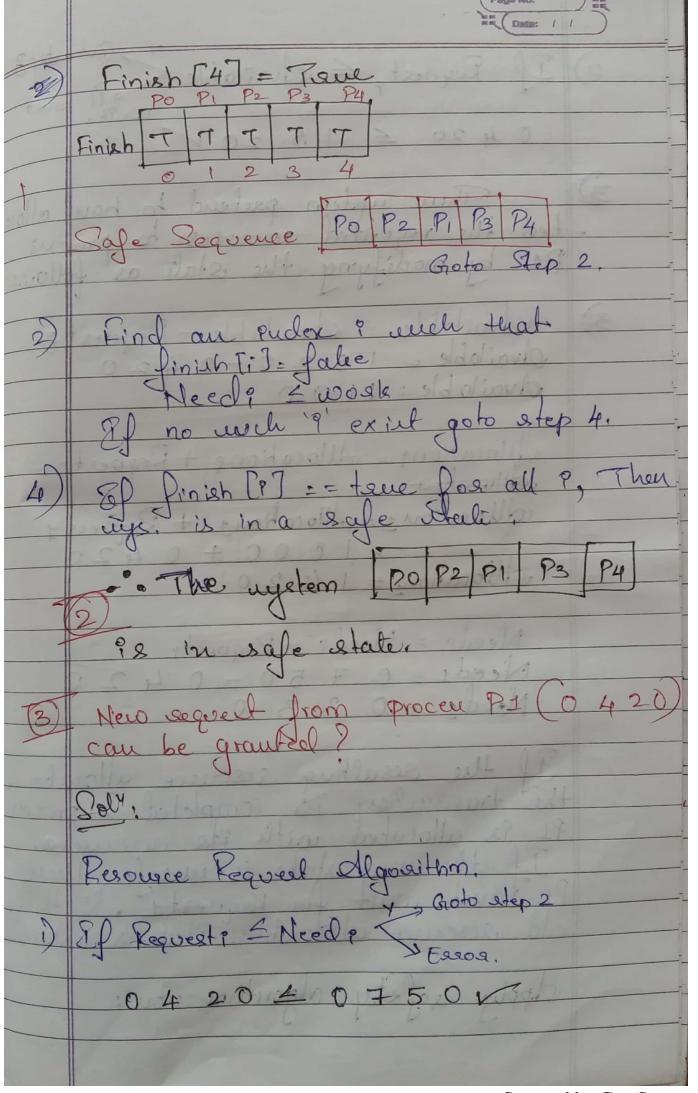
Sol,
Consider the below table:
Available 1 Need.
Proces Allocation Max Available ABCD ABCD
ABCD ABCD 4520 000
00012015320750
7 7 2 8 8 6 1 0 0 2
P <sub>2</sub> 1 3 5 4 2 3 5 6 2 3 8 8 6 0 0 2 0 P <sub>3</sub> 0 6 3 2 0 6 5 2 3 8 8 6 0 0 2 0
0 6 5 6 3 14 11 8 0 6 4 2
T3 14 12 12
Safety Alogorithai:
364
1) a) Wook = Available - Wook = 1520 b) Finish [i]: Jalee. Po Finish [i]= F.
b) Finish [i]: false. Po Finish [i]= F.
Finish F F F F
2) a) Finish [i] = false
b) Needo = Words. [ 3f no anch' i' exist]
Finish [0] = = false
Needo & woak
0000 £ 1520 V
Copply Bamber's algorithm to miles
3) Worle = woode + Alloc.
Finkhli]: true, [goto istep 2]
Work = 1520+0012
100915 = 1532 Safe Sequence
Finish TFFFF
0 1 2 3 4

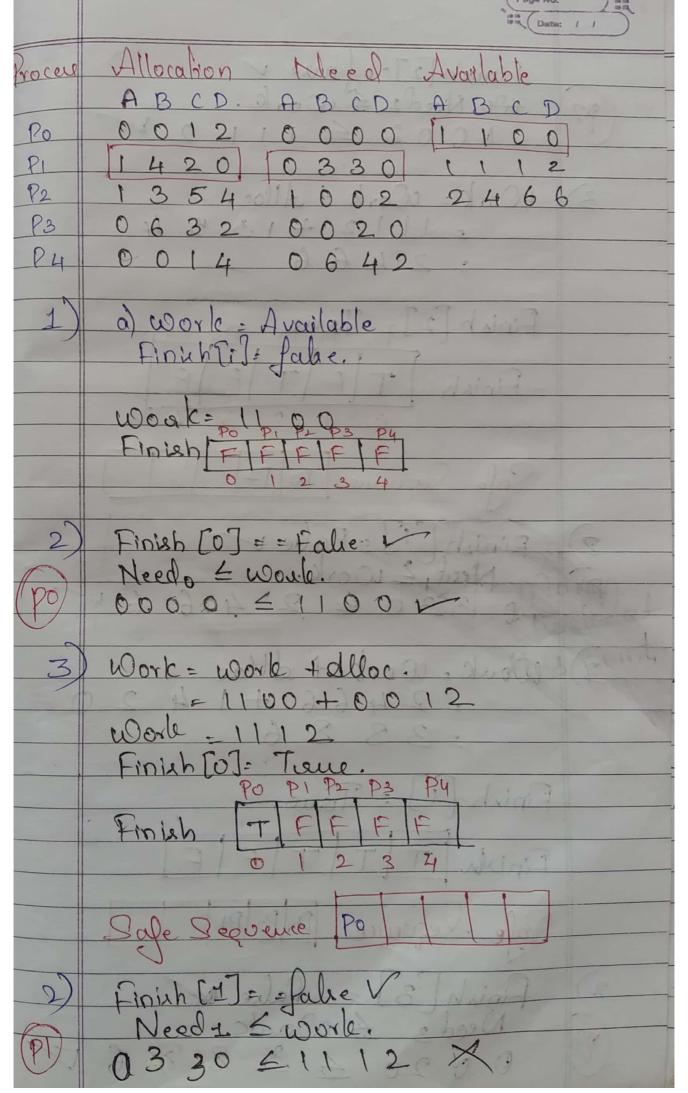


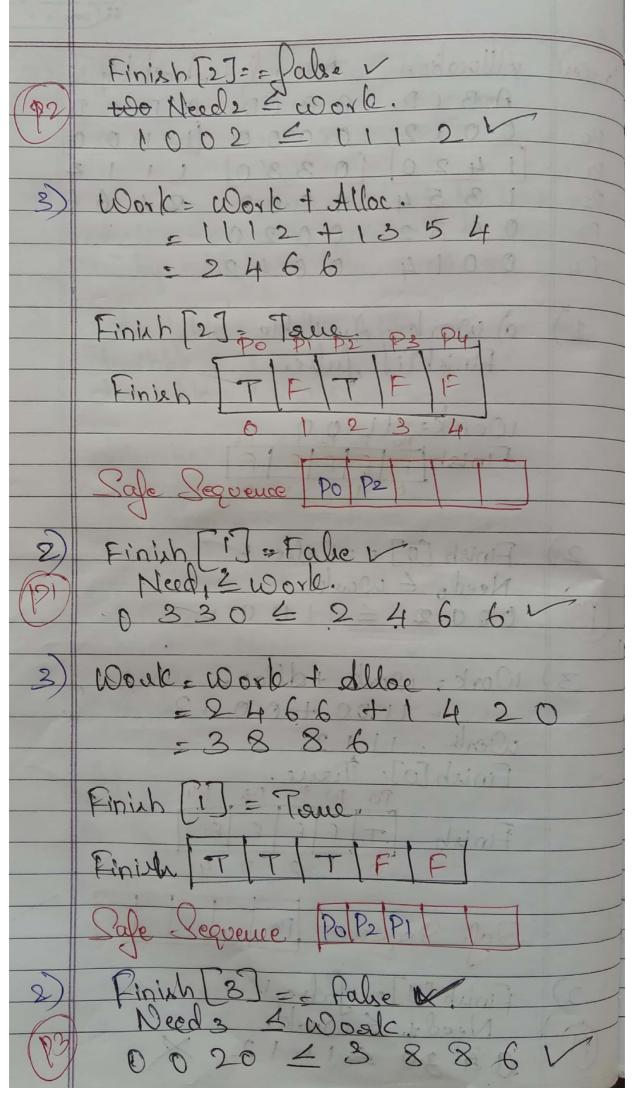


Scanned by CamScanner



2) Ef Request, = dvailable Sp 0 4 20 £ 15 20 V ted the requested resources to process P1 by modifying the state as follows: duarlable = duailable - Requestion dvailable = 1520-0420 Available = 1100 Allocation = Allocation + Requesto Allocation 1 - Allocation 1 + Regisest 1 = 1000 + 0 420 allocationy = 1420 Meede = Neede - Requeste Meeds = 0 7 50 - 0 4 2 0 Need = 0 3 3 0 If the resulting resource allocations the transaction is completed & proces
P1 92 allocated with 9th sesomeel.
If the new state is unsafe then
P1 must wast for Request i & the old sesource allocation refer is restored doply safety algorithm now:





Scanned by CamScanner

