BANKERS ALGORITHM

Available Resources => 1520

| | Allocation | | | | Masc | | | Available | | | | |
|----|------------|---|---|---|------|---|----|-----------|---|---|---|---|
| | A | B | E | D | A | В | C | D | A | B | C | D |
| P6 | 0 | 1 | | 0 | 0 | 2 | 1 | ٥. | 1 | 5 | 2 | 0 |
| Pi | 1 | a | 3 | 1 | 1 | 6 | 5 | 2 | | The second control of | | |
| P2 | l | 3 | 6 | 5 | 2 | 3 | .Ь | 6 | | | | |
| ρ3 | 0 | Ь | 3 | 2 | 0 | 6 | `5 | 2 | | | | |
| Pu | 0 | 0 | l | 4 | 0 | Ь | 5 | Ь | | | | |

* Need Modern:

| , - | | | | | |
|------------------------------|----------|---|---|---|---|
| The relations are proposed | Paracess | A | B | С | D |
| September Complete Commenter | Po | D | 1 | O | P |
| | Pi | O | 4 | 2 | 1 |
| | P2 | 1 | 0 | D | • |
| | P3 | 0 | 0 | 2 | 0 |
| | Py | 0 | Ь | 4 | 2 |

For perocess Po, X Available => ABCD Resource Resource To be provided => P B C D to be provided is comparkinely Hore resource a subjet of Resource available So the process can be executed utilhout interuption AB CD (available) 1520 Consigned for Po) 0 1 100 1630 process Pi For X ABCD 1630 Resource Available => Resource to le Provided => 0 421 : ProcessP, Can't le performed For operass P2, AB (D 兴 Resource Avalable = 1630 Resource to be provided =) 1001 . Process P2 cart le performed

for procus P3; × Resource Available => ABCD 1630 Resource to be provided = 0020 susones to be provided < Resource aviabble Hore ABCD 1630 (available) 0 6 32 (allocated) 1 12 6 2 For Process P1 again, ABCD Resource Available => 1 12 6 2 Resource Browded => 0421 Here susoume to le provided < Resource available BCD 12 62 (amilable) 2 3 1 (allocated) 2 14 9 3 For process P2.

Risource Available = 2 14 9 3 cavailable) Resource Provided =) 1 36 1 (allecated)

X

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A For process P4:

A B C D

3 17 15 8 (available)

0 0 1 4 (allocated)

3 17 16 12

Max instances of Type A = 3

Max instances of Type B = 17

More instances of Type C = 16

Mose instances of type D= 12