



	classmate  Date
	P3 -> 0020 <= 28 B6
	Py > 0 6 4 2 <= 2 14 11 8
	$\begin{array}{c} New - \left[ \frac{2}{2} \right] 4 & 12 & 12 \\ P_1 \rightarrow 0.750 \ \angle = \frac{9}{2} & 14 & 12 & 12 \\ New \rightarrow \left[ \frac{3}{2} \right] & 14 & 12 & 12 \\ \end{array}$
	:. System is in safe state.  Safe seq: Po P2 P3 P4 P1 Applie prev.  New Year
3	Allocation Max need. Available Remanning need  x y z x y z x y z x y z
Po	Before 0 0 1 8 4 3 3 2 20 8 4 2 0
P1 P2	3 2 0 6 2 0 3 0 0
	Nev. > 2 extra units
	Reg 1: 0 0 2 from Po from Z are wed  New > [002 + 001] i. subtract 2 from  aloutr = [003] available.
0	(8 H3) Allocation [0 0 3] <= 3 2 2
P 10	ner reed: New available => [322] - [002]

	Chasenge Page
	New need montrix.
	8 4 0 3 0 0 1 2 2
·-	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
,-	$P_1 \rightarrow \begin{bmatrix} 3 & 0 & 0 \end{bmatrix} \leftarrow \begin{bmatrix} 3 & 2 & 0 \end{bmatrix}$
,- - -	: New available: (320) +[32] = [640]
	P, -> [122] /= [646]
X	Po > [840] 4= [640]
	Cant satisfy both P2, Po frence not safe; deadlock.
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