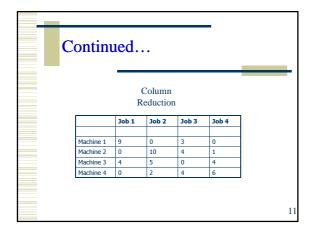
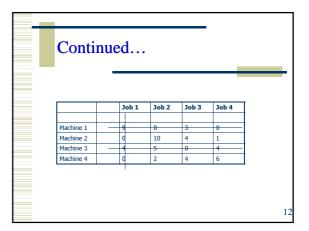
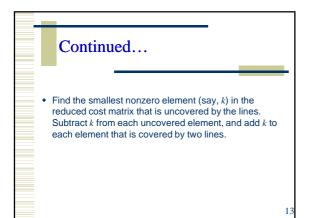


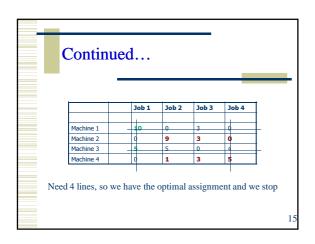
Exa	amp	le	1						
	Job 1	Jol	2	Job	3	Job	4	-	
Machine 1	14	5		8		7			
Machine 2	2	12		6		5			
Machine 3	7	8		3		9			
Machine 4	2	4		6		10			
			Job	1	Job	2	Job 3	Job 4	-
	Mach	ine 1	9		0		3	2	_
~	Mach	ine 2	0		10		4	3	
Row	Mach	Machine 3		5	0	0	6		
Reduction	Mach	ine 4	0		2		4	8	



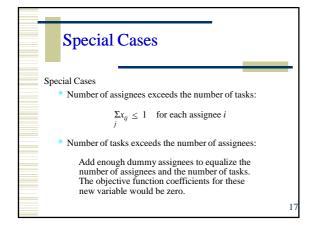




Continu	led			
commu	icu			
			Job 3	
	Job 1	Job 2	100.2	Job 4
Machine 1	10	0	3	0
Machine 1 Machine 2				
	10	0	3	0



Contir	ued	•		
	Job 1	Job 2	Job 3	Job 4
Machine 1	10	0	3	0
Machine 2	0	9	3	0
Machine 3	5	5	0	4
Machine 4	0	1	3	5
•	assignmer $x_{12} = 1, x_{33} =$		$1, x_{24} = 1$	1
M1 →	J2, M2 →	J4, M3	→ J3, M	4 <b>→</b> J
	Minimum c			



<b>a</b>	1				
Contir	nued				
ler following.	AP Conv	ert it to th	e standar	d definiti	on of AP
ier ronowing.	n. conv				511 01 7 11
			Tas	sks	
		1	2	3	4
	1	10	9	8	7
Assignees	2	4	-	5	6
	3	2	1	8	-
ig M" to avoi	d incomp	atible ass	ignments,	and add	a dumm
ig wi to avoi					
	al assigne	es and ta	sks.		
e to have equ	al assigne	es and ta	sks.		
	al assigne	es and ta	sks. Tas	iks	
	al assigne	es and ta		iks 3	4
	al assigne		Tas	-	4
e to have equ		1	Tas 2	3	
	1	1 10	Tas 2 9	3 8	7

Home Work: 1										
		M1	M2	M3	M4					
	А	5	3	1	8					
	В	7	9	2	6					
	С	6	4	5	7					
	D	5	7	7	6					
A	A → M3, B -	→ M4, C →	→ M2, D →	M1, Min	Cost = 16 un	uits 19				

Home Work: 2									
		M <sub>1</sub>	$M_2$	M <sub>3</sub>	M <sub>4</sub>				
	J <sub>1</sub>	10	24	30	15				
	J <sub>2</sub>	16	22	28	12				
	J <sub>3</sub>	12	20	32	10				
	$J_4$	9	26	34	16				
$J_1 \rightarrow M_3, J_2 \rightarrow M_2, J_3 \rightarrow M_4, J_4 \rightarrow M_1, Min Cost = 71 units$									
	$\begin{array}{l} J_1 \rightarrow M_3, J_2 \rightarrow M_4, J_3 \rightarrow M_2, J_4 \rightarrow M_1, \text{ Min Cost} = 71 \text{ units} \\ J_1 \rightarrow M_2, J_2 \rightarrow M_3, J_3 \rightarrow M_4, J_4 \rightarrow M_1, \text{ Min Cost} = 71 \text{ units} \end{array}$								