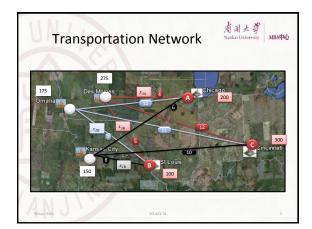
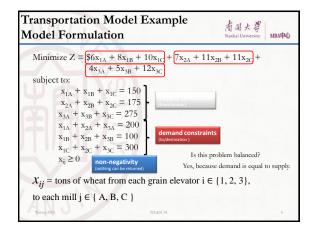


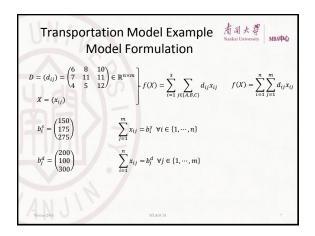
			t from each gr sis in order to	
ninimize the t				
Grain Elevator	Supply	Mill	Demand	
1. Kansas City	150	A. Chicago 200		
2. Omaha	175	B. St. Louis	100	
3. Des Moines	275	C. Cincinnati	300	
Total	600 tons	Total	600 tons	
	rt Cost from	Grain Elevator		
Grain Elevator	A. Chicago			
1. Kansas City 2. Omaha	\$6 7	\$8	\$ 10	
3. Des Moines	4	5	12	



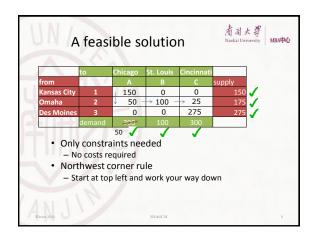




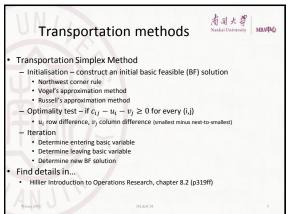


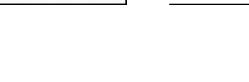


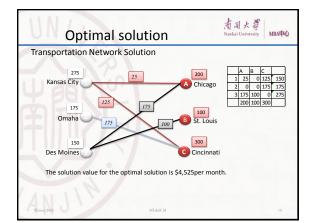


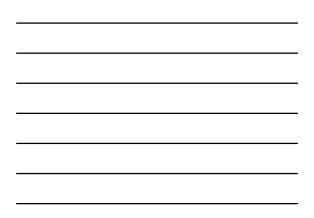


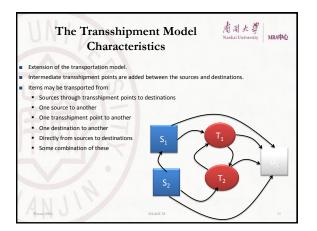




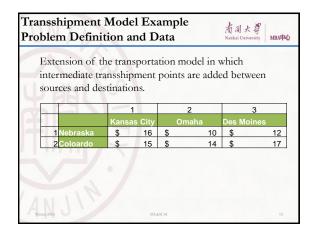




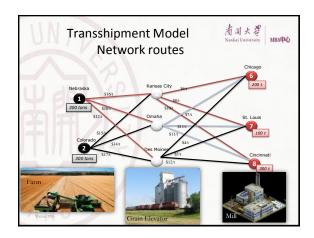




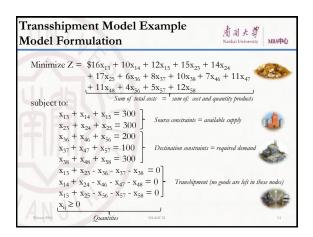




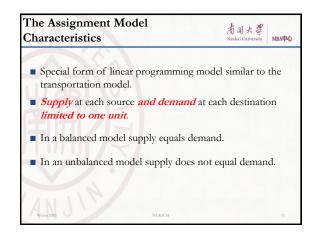








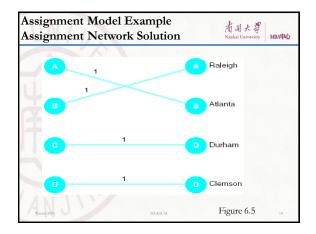




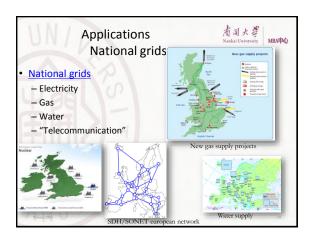
	upply is al	ways one to	istance trav eam of offi t each game	cials, deman	d is
		Gam	e Sites		
			Demersion	0	
Officials	RALEIGH	Atlanta	Durham	CLEMSON	
Officials A	Raleigh 210	ATLANTA 90	180	CLEMSON 160	
A	210	90	180	160	

Minimize Z =	$210x_{AR} + 90x_{AA} + 30x_{AA} + 30x_{BD} + 130x_{BD} + 200x_{BC} + 170x_{CC} + 80x_{DR} + 30x_{DR} + 30x_{$	+ 175x _{CR} + 105	$5x_{CA} + 140x_{CD}$	0x _{BA}
subject to:		DA	JD DC	
	$x_{AA} + x_{AD} + x_{AC} = 1$	x _{ii} ≥0		
	$x_{BA} + x_{BD} + x_{BC} = 1$	supply constrain		
x _{cr} +	$x_{CA} + x_{CD} + x_{CC} = 1$	Suppry-constraint	-	
	$\mathbf{x}_{\mathrm{DA}} + \mathbf{x}_{\mathrm{DD}} + \mathbf{x}_{\mathrm{DC}} = 1$			
	$\mathbf{x}_{\rm BR} + \mathbf{x}_{\rm CR} + \mathbf{x}_{\rm DR} = 1$	Demand constra	ints	
	$x_{BA} + x_{CA} + x_{DA} = 1$	Demand Constra	into	
	$\mathbf{x}_{\rm BD} + \mathbf{x}_{\rm CD} + \mathbf{x}_{\rm DD} = 1$			
X _{AC} +	$x_{BC} + x_{CC} + x_{DC} = 1$			

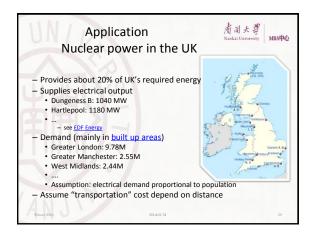




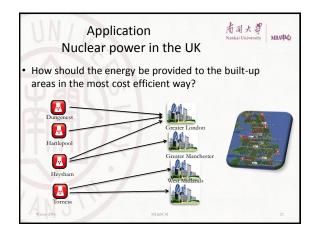




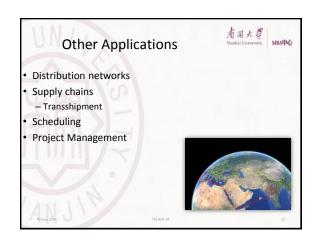


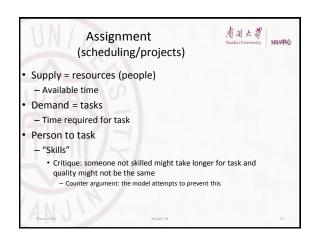


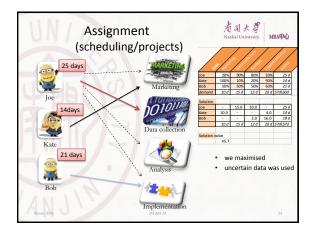




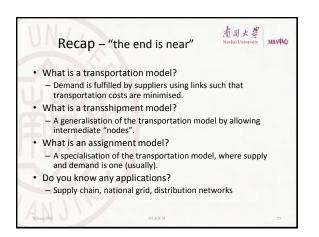






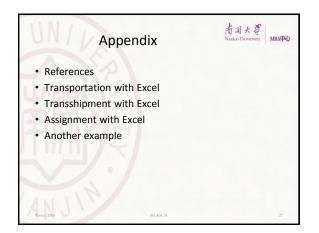






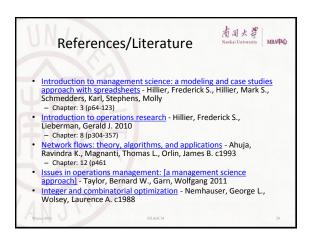






General Notes

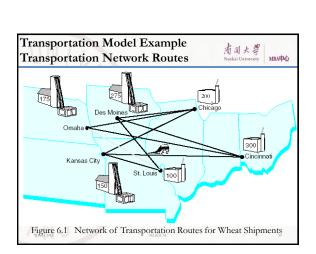
QM for windows.



Part of a class of LP problems known as *network flow* models.
Special mathematical features that permit very efficient, unique solution methods (variations of traditional simplex procedure).
Detailed descriptions of methods are contained on <u>Taylor's website (mgt/peptendul.om/pe_puble_innom_10/12/12/22/24/40/21/Lev/onturi/idex.htm)</u>
Text focuses on *model formulation* and solution with Excel and

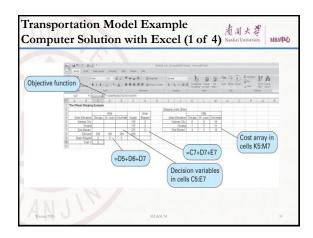
商同大學

MBA中心

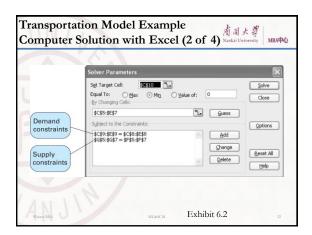




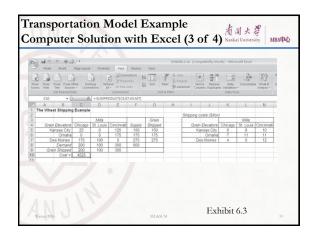
Winter 2016



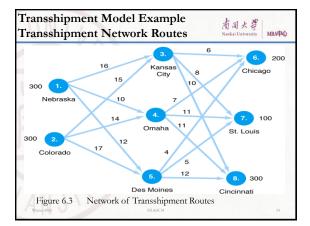




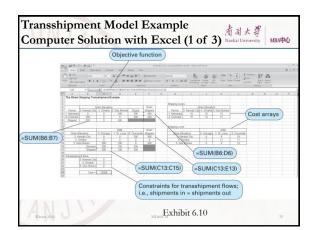




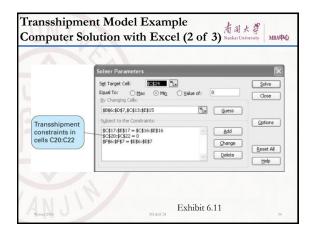




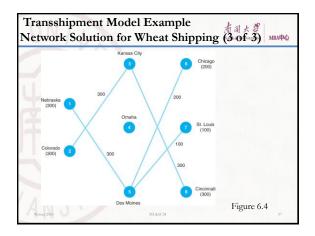




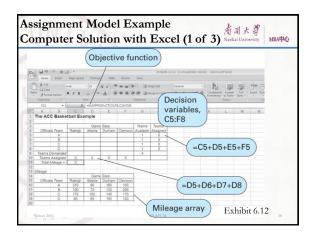




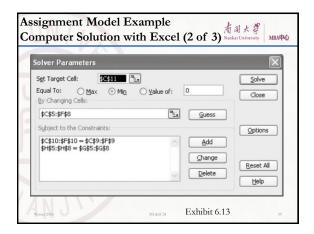




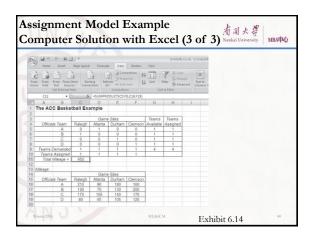














	le Prob ter Solu				1	有 司 Nankai U		個A中
6	1000	a (2) =				Ch6-E	kample.	
La	Home Inser		out Form	iai Data	Review	View		
Pat	J Format Painte		1 • 🖽 • 3	· <u>A</u> · =		📕 🚠 Merge & Cer		
	and the owner of the	21	Font	(R.)		poment	6	
-	810	* (?				2*D6+3*B7+9*C7+1	10*D7	
	A	В	C	D	E	F	G	
1	Example Prot	olem						
2								
3			nstruction					
4	Plant	A	В	C	Supply	Transported		
5	1	70	30	20	120	120		
6	2	80	0	0	80	80		
7	3	0	0	80	80	80		
8	Demand	150	70	100	-			
9	Transported	150	30	100				
10	Cost =	2830						
11								



and solve using			ing motie	l formulation
del	<u> </u>			
Plant -	A	struction B	r site C	Supply (tons
1	\$ 8	\$ 5	\$6	120
2	15	10	12	80
3	3	9	10	80
Demand (tons)	150	70	100	



