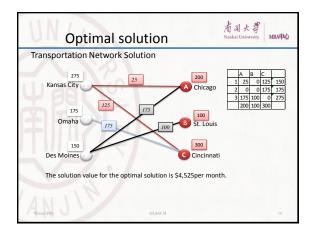
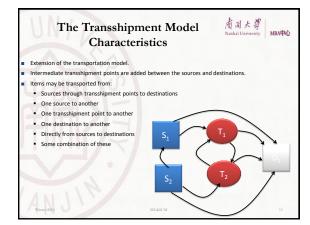
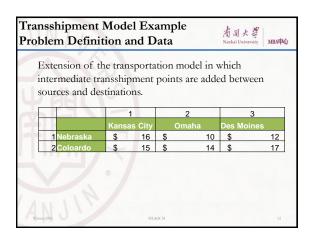


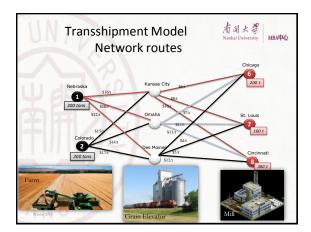
	to	Chicago	St. Louis	Cincinnati		
from		Α	В	С	supply	
Kansas City	1	150	0	0	150	<b>√</b>
Omaha	2	√ 50 -	→ 100 -	→ 25	175	1
Des Moines		0	0	275	275	1
	demand	200	100	300		
- N	o costs re	50 J aints nee equired orner ru		•		

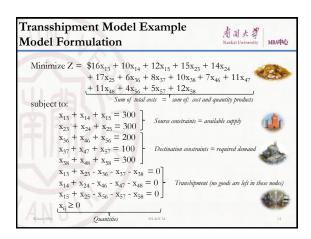
Transportation methods     All   Al	мваψύ
<ul> <li>Transportation Simplex Method</li> <li>Initialisation – construct an initial basic feasible (BF) solution</li> <li>Northwest corner rule</li> <li>Vogel's approximation method</li> <li>Russell's approximation method</li> <li>Optimality test – if c<sub>ij</sub> – u<sub>i</sub> − v<sub>j</sub> ≥ 0 for every (i,j)</li> <li>u<sub>i</sub> row difference, v<sub>j</sub> column difference (smallest minus next-to-smallest)</li> <li>Iteration</li> <li>Determine entering basic variable</li> <li>Determine leaving basic variable</li> <li>Determine new BF solution</li> </ul>	
• Find details in	
Hillier Introduction to Operations Research, chapter 8.2 (p319ff)  Marchi	



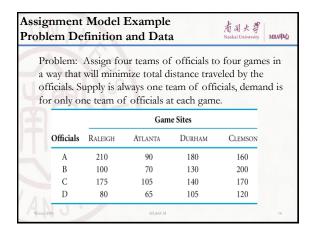


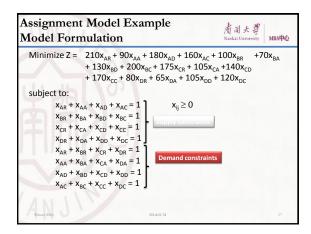


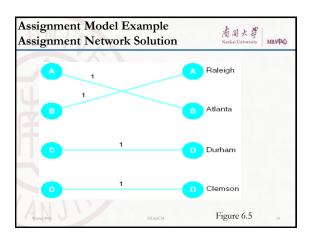


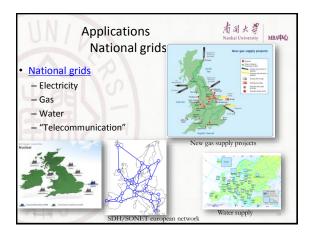


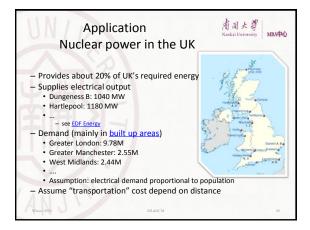
The Assignment Model Characteristics	有司大學 Nankai University MBA中心
	W. Vincercarian
<ul> <li>Special form of linear progr transportation model.</li> </ul>	amming model similar to the
■ Supply at each source and limited to one unit.	demand at each destination
■ In a balanced model supply	equals demand.
■ In an unbalanced model sup	ply does not equal demand.
Water 2016 MIL	R6CM 15

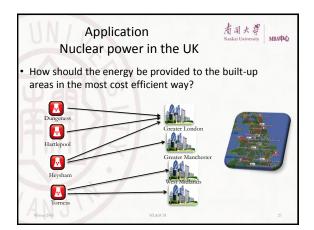


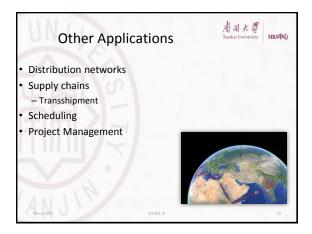


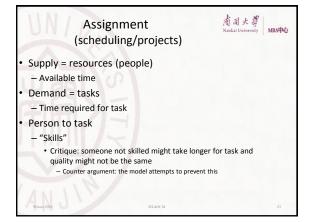


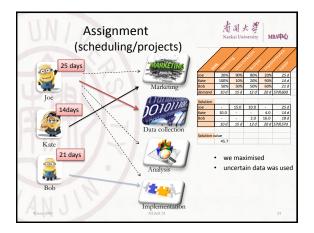


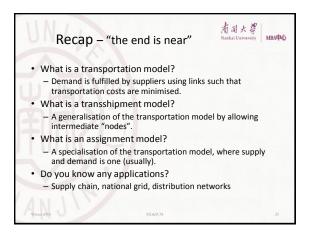




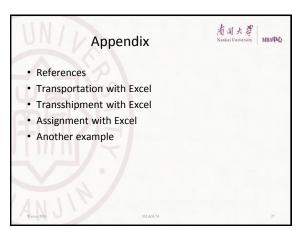


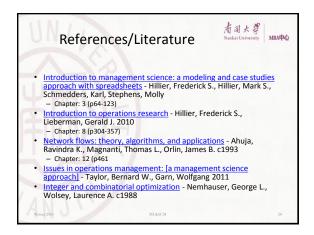


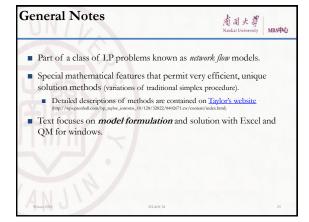


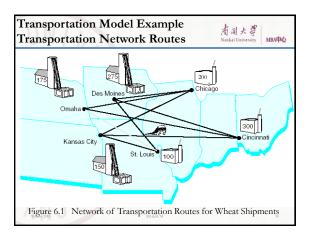


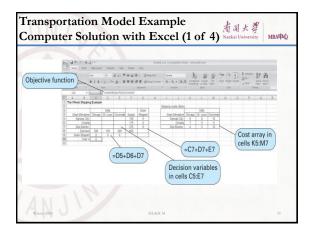


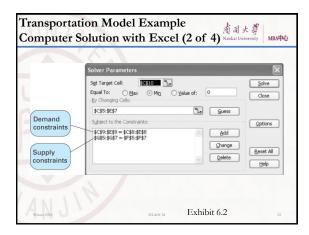


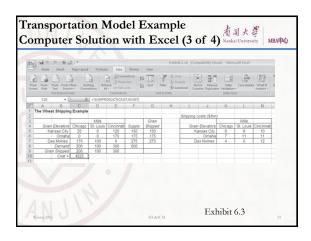


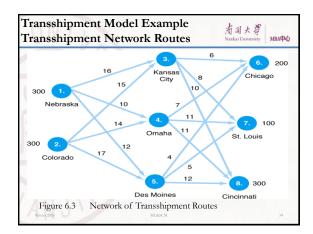


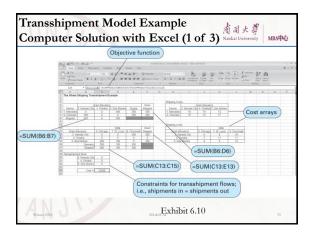


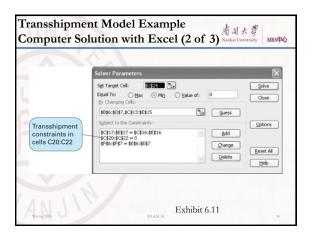


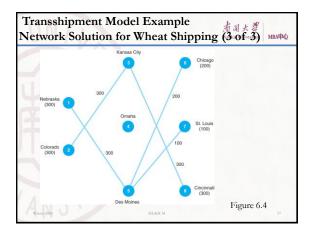


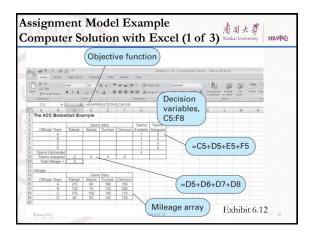


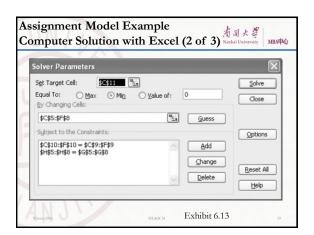


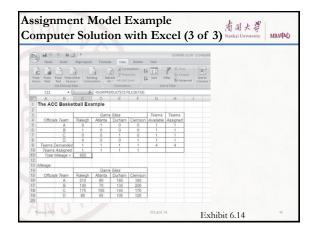












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	1900	2020					xample.
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Pat	Format Painte	Arial B Z S	- 10 - 3			Wrap Text  Wrap Text  Merge & Cer	nter -
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W	A	В	С	D	E	F	G
1	Example Prob	lem					
3		Co	nstruction	Site			
4	Plant	Α	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							

