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-										
Lin	Linehaul customers : 20									
Bac # (Backhaul customers : 20									
(
		Binary								
	Formulation	Variables	Constraints							
	Goetschalckx and Jacobs-Blecha	8.405	1,1x10 ¹²							
	Toth and Vigo	1.281	4,2x10 ⁶							
	Mingozzi, Giorgi and Baldacci	1,3x10 ¹⁹	81							



















Linehaul customers : 20 Backhaul customers : 20								
# of vehicles : 5								
	Binary Variables	Constraints						
Node Based Model	Binary Variables 1600	Constraints 943						



Computational Results										
Some Indicators of Optimally Solved Problems										
	Σ#Prb.	#Prb. Solved	%	#Prb. Solved	%	Avg. CPU Time	Avg. CPU Time			
Goet.	68	15	22,06%	25	36,76%	762,24	327,74			
R-25	30	18	60,00%	18	60,00%	44,58	34,45			
R-30	30	13	43,33%	13	43,33%	585,9	728,54			
R-35	30	6	20,00%	9	30,00%	617,93	521,56			
	36,35%			42,52%	502,66	403,07				
ECCO-XXI, May 29-31, 2008 Dubrovnik, Croatia										







