















4



















	The Rounding-Off Problem						
	Ex. To sub	a maximize $f(x_1, x_2) = 5x_1 + 8x_2$ ubject to $x_1 + x_2 \le 6$, $5x_1 + 9x_2 \le 45$, $x_1, x_2 \ge 0$, and be <u>integers</u> .					
		Continuous optimum	Round off	Nearest feasible point	Integer optimum		
	x ₁	2.25	2	2	0		
	x ₂	3.75	4	3	5		
	f	41.25	Infeasible solution	34	40		
5	Zebo Peng, IDA, LITH 18						



















Heuristic Approaches to CO					
Problem specific	Generic methods				
 Clustering List scheduling Left-edge algorithm 	Branch and boundDivide and conquer				
Transformational (Iterative improvement algorithm	 Neighborhood search Simulated annealing Tabu search Genetic algorithms 				
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