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An Ant Colony System Metaheuristic for Solving a Bi-Objective Purchasing Scheduling Problem

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The Purchasing Scheduling Problem (PSP)

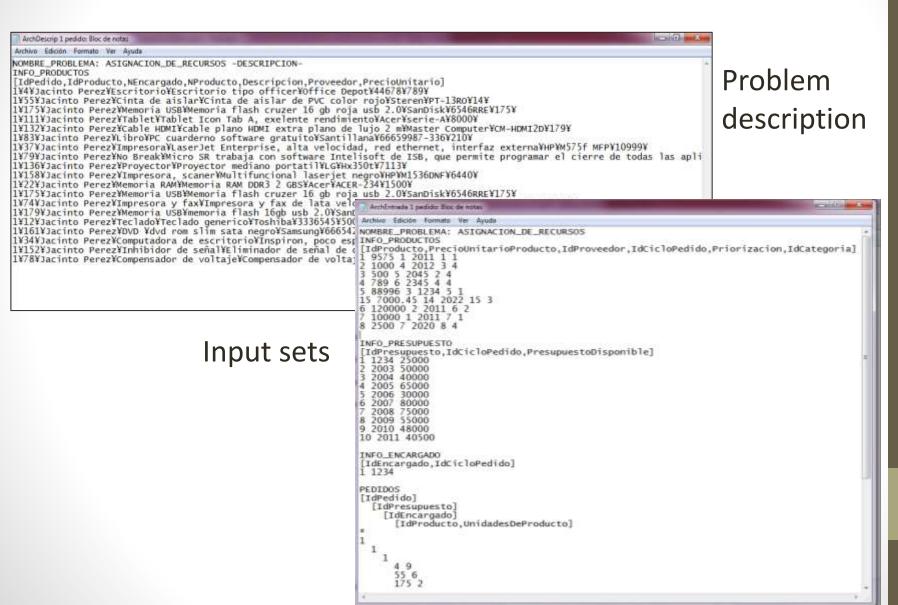


Scenario: orders placed by an assistant or manager in a purchasing department.

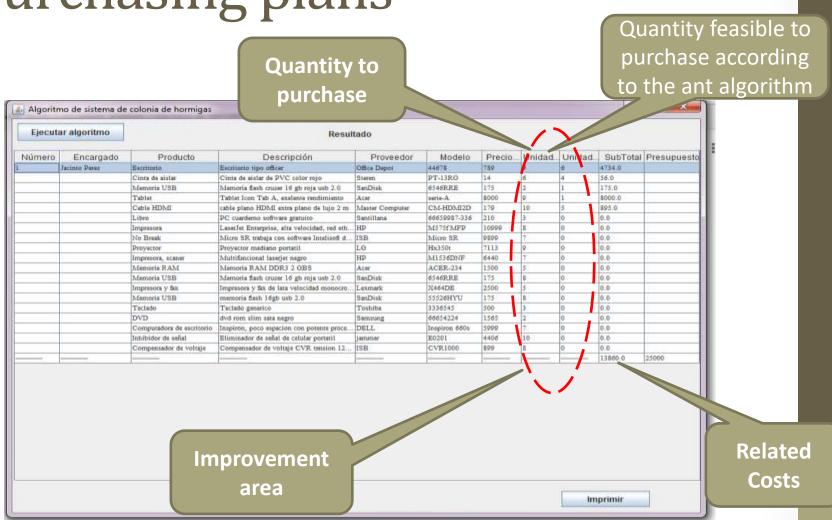
Product	Supplier	НР	Dell	Office Depot	Office Max	
1	Computer	\$1,000	\$2,000	\$0	\$0	•••
2	Printer	\$500	\$700	\$0	\$0	•••
3	Scanner	\$1,000	\$2,000	\$0	\$0	•••
4	Desk	\$0	\$0	\$1,500	\$1,000	•••
5	Chair	\$0	\$0	\$3,000	\$2,500	•••
•••			•••	•••	•••	•••
10000	•••					•••

Available funds: \$50,000

Input instance of PSP



Purchasing plans



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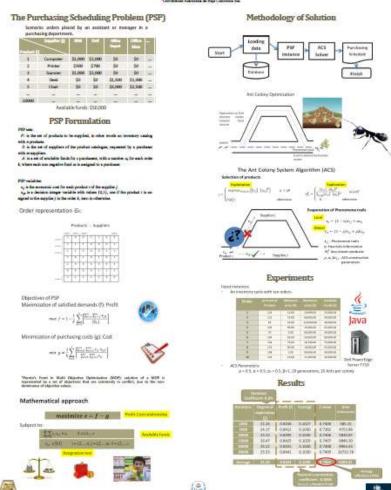


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For your attention

Thank you



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