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Set covering problem is the model for many	important industrial applications. In this paper, we solve
some benchmarks of this problem with ant co	olony optimization algorithms using a new transition
rule. A look-ahead mechanism was incorpora	ated to check constraint consistency in ant computing.
Computational results are presented showing	g the advantages to use this additional mechanism to
ant system and ant colony system. © 2011 A	cademic Journals.
Ant colony optimization	
Look-ahead techniques	
Set covering problem	

A hybrid Ant algorithm for the set covering problem