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between three variables  $y_1, y_2, y_3$   
with domain  $\{0, 1\}$ , consider the  
inequality  $y_1 + y_2 - y_3 \geq 0$ . This  
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Intelligence, 2006. 4.2

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backtracking algorithm (BT), a node  $p =$   
 $\{x_1 = a_1, \dots, x_j = a_j\}$  in the search  
tree is a set of assignments and  $p$  is  
extended by selecting a variable  $x$  and  
adding a branch to a new node  $p \cup \{x =$   
 $a\}$ , for each  $a \in \text{dom}(x)$ . The assignment  
 $x = a$  is said to be posted along a



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Christian Bessiere, in Foundations of

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constraint solvers attach a specific  
propagation algorithm to the specific

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g. They provide common patterns to help use  
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