Terminology Backhacking and Branch Bound once a state space tree has been conceived of for any problem.
1) this problem can be solved by systematically generality the probleton stutes.

2) determining which of these was solution

3) - 1 ~ 1. 3) and finally dotormining which solution states are driver states.

There are two-fundamentally different ways to generate the problem states. -Both of those begin with the wort node Live No de: A no de which has been generated and all of whose children have not you boon generated is called line noch Dead No de: As a mode is generated nide which not to be expanded further or all of whose diddon have sonorated.

E-node (mode being capanded) The live node whom children are avonety being generated is In both moturall of generating problem states, we have a list of live nedes In the first of those two meshods as soon as a new child coffee. constitute, Risgenerated tens awill become then Ends

That achially corresponds to depth first generation of the problem states. In the social stude generation method, the E-mode romains until it is dead. ? In bitter moderade, bounding function are noted to kill live nodes without gonerations all-their children trisis 9 time savel.

this is done carefully enough to that at the conclusion of nodo is always genarabed of all anguer nodos ave gonorated Badetnadeing Slepth first wide gone sation with bounding functions is called backing

State gomeration methods in in Ohich E-node remains the Enude until itis dead wads to Branch and Bound methods



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