

## Moving On...

- Two-player adversary search is nice, but not all interesting problems can be mapped to games
- Large class of optimization problems that all have the same search properties

2

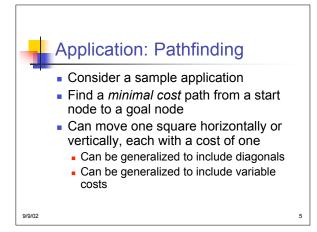
- Find the best search value from the perspective of a single player
- Single-agent search

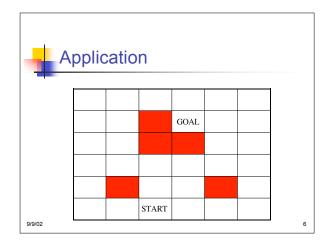
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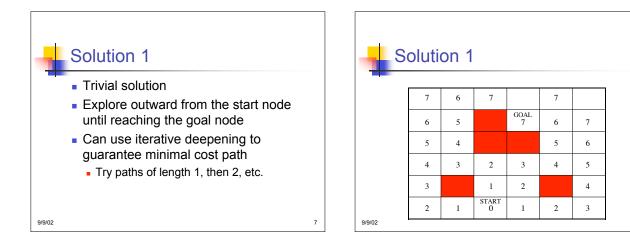
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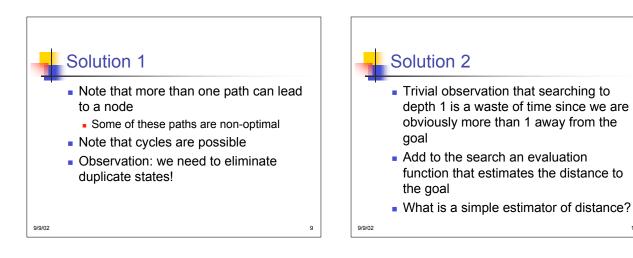


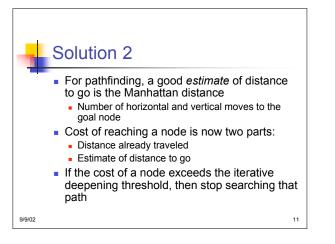


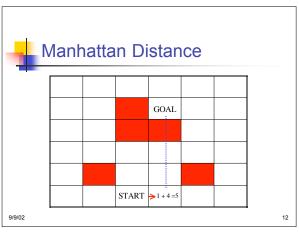


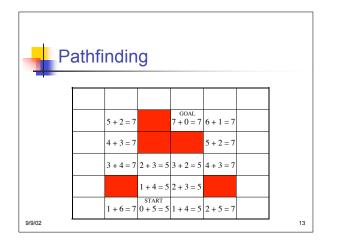


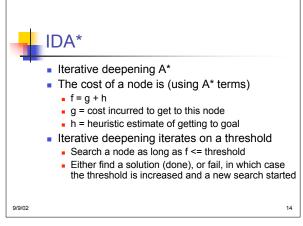


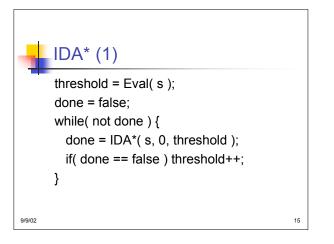


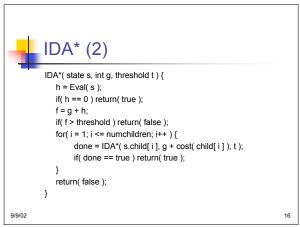


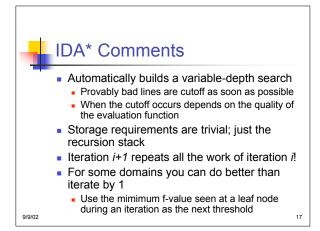


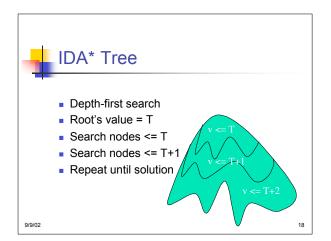


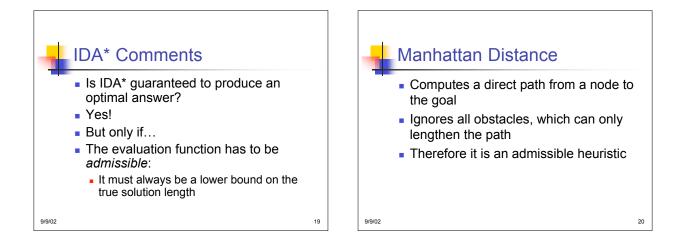


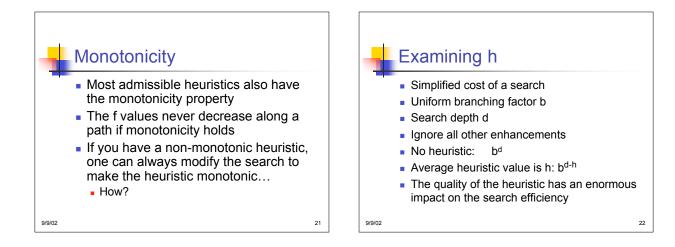


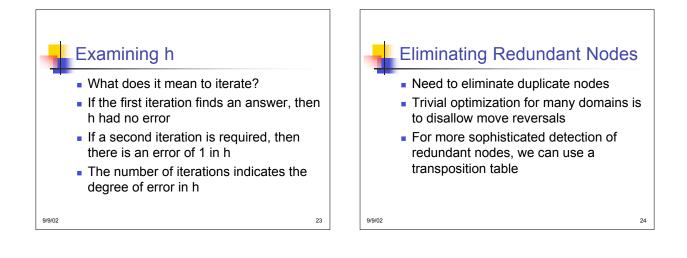


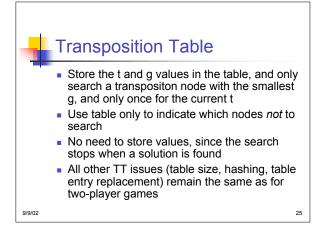


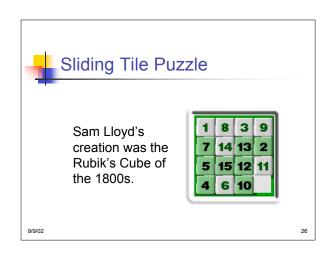


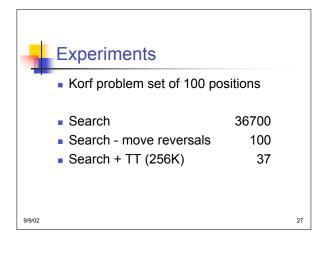


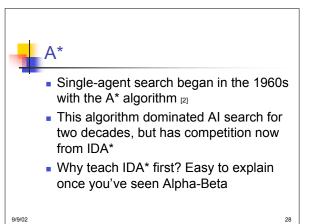


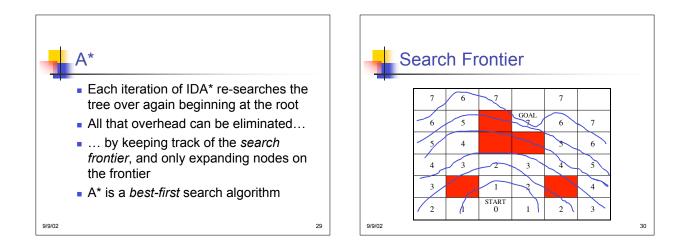


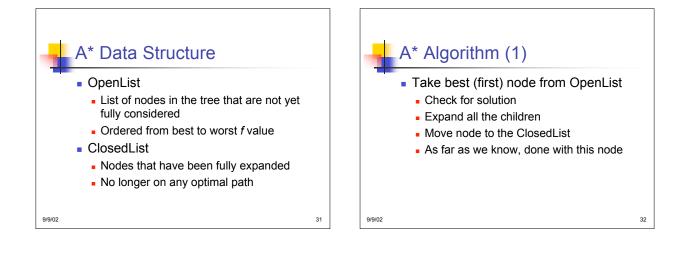


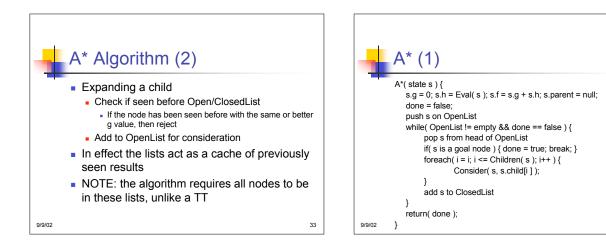












A* (2)	
Consider( state from, state to ) { newg = from.g + Cost( from, to ); if(/to in Operative to Cost if it ) and	
if( ( to is in OpenList or ClosedList ) and ( to.g <= newg ) ) return; to.g = newg; to.h = Eval( to );	
to.f = to.g + to.h; to.parent = from; if( to is in ClosedList ) remove to from ClosedList	
if( to is not in OpenList ) insert to in OpenList sorted by f-value	b
}	
9/9/02	35

