

CS486 Lecture 3 - To the A*'s and beyond

Graham Cooper

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A*

Optimality

Slide 23 of Lecture 3 is an important proof on the optimality of A*, remember it only applies for trees

A* Revisiting States

See lecture 3 Slide 24

The numbers come from the value of $F() + H()$ of that node, crossouts mean we popped that off of the queue

S	B(4)	A(8)
B	C(5)	A(8)
A	A(8)	G(10)
C	C(4)	G(10)
	G(9)	G(10)

We have now found the shorter path to G

