

Rainer Marrone Hamburg University of Technology Slides based on Hwee Tou Ng's











































Criterion	Breadth- First	Uniform- Cost	Depth- First	Depth- Limited	Iterative Deepening	Bidirectional (if applicable)
Complete?	Yes ^a	$\operatorname{Yes}^{a,b}$	No	No	Yes ^a	$\operatorname{Yes}^{a,d}$
Space	$O(b^d)$	$O(b^{1+\lfloor C^*/\epsilon \rfloor})$	$O(b^m)$	$O(b^c)$	$O(b^{\alpha})$	$O(b^{d/2})$
Optimal?	Yes ^c	Yes	No	No	Yes ^c	Yes ^{c,d}
of the sh Superscr positive of	allowest solut ipt caveats are ; ^c optimal if	tion; m is the max e as follows: ^a con step costs are all id	timum dept mplete if b dentical; d i	h of the seat is finite; ^b co f both direct	The tree; l is the second s	e depth limit. costs $\geq \epsilon$ for h-first search.



























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