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	TE comps A.  Postlab-6.	
1	Difference between A+ and A0*	
1	Music burses of the	
	A *	A A
1	//	Dani Greatly officered to
1	1) Not designed for handle changes in the environment	ing 1) specifically designed in
1	changes in the envilonment	adapt to changes without
1	201 11	Initiating a new starch
1	2) Primarilyuses AND	2) Uses both OR and AND
1	operation considering	operations englosing
1	one path at a time.	perations emploing multiple paths simultaneons
1	,	
1	3 generally more service	3) May explose mose nodes
1	efficient, explores fuver	due to adaptability potential
1	nodes.	sequiring nove computations
L		resources.
L		
1	4) Reguises a complete	+) Eliminates the need for a
L	4) Regnises a complete sestant of so the search often an envisonmental	full sestast, saving time and consputational sesource
L	Ater an envisonmental	and consputational sesource
L	change.	when changes occur.
L	0	0
	3) May struggle in	5) Hound les changes
L	environmente subject to	seamlessly, ensuing that
	frequent alterations.	seamlessly, ensuing that plans as the envisonment
	0 / www.coms	Perolves
1		

Q.2) Why AO\* algorithm only works when heuristic values are underestimated? are unabliestimated? optimistic bias: Ao algorithm relies on the principle of optimistic bias: Understanding heuristic values encourages an optimistic buttook on the remaining cost to reach the good, guiding the search towards promising areas of the search space. 2) Maintaining guidance: It ensues the search remains guided to wards the goal, preventing aimless wardering in the search place space. 3) Avoiding premative termination: prevents premative termination of the search by maintaining interest in exploring the entire space thoroughly.

4) Hourd live demands and an exploration of the entire space thoroughly. 4) Handling dynamic environmente. Allows for effective adaption in Synamic environments by adjusting estimates based on encountered costs. optimally guarantee: while not guaranteeing optimality, underest making heuristics often leads to better performance and a higher likelihood of finding the optimal solution by focusing on pedmising paths while allowing emploiation of alternatives.