Ansi) Time Complosity of A* Algorithm depends
on many factors but in general
un cases of expanded time complexity
is exponential.

Ansz) timitation

- a) A* relies heavily on the quality of the hewristic femalian,
- b) A* is memory cintensive
- c) A* umay not be suitceble foot problems Space 13 not defined.

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A* guarantes finding optimal path

BFS -> 1) BFS explores all neighbors

2) guarantees shoutes path

DFS -> 1) Explores for as possible

2) May not find optimal path

Dilbton > Find alonged and path

Djiktras) Finds sharlest path
2) Doest not cuse hewristic function.