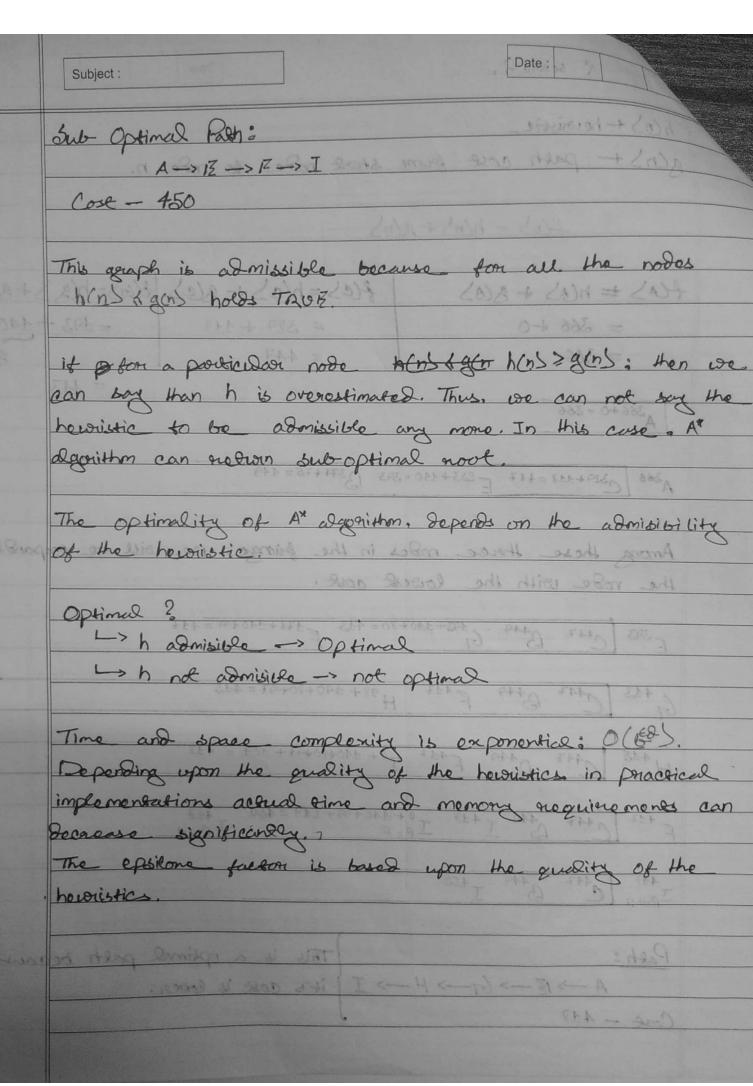


 $\frac{Path:}{A \longrightarrow \mathbb{Z} \longrightarrow 61 \longrightarrow H \longrightarrow I}$ This is a optimal path because

F +17 [447 649] +18] 0+140+99+811=450] +18] P= F

Cose - 418



Subject: Date: Howistic Consistency: h (n) & h(n') + h(n'n') & For Being consistent. Actual cost from h(A) & h(3) + BD C(A,B) if True, then the h(B) & h(G) + c(B,G) hewistic of the graph is consistent. As a nexule, the algorithm will need to touverse less to find the optimal path. For a graph. the heroistic can be consistent white not be comissible. For a graph, the howristic can be admissible while may not be consistent. 50. This graph is h=0 Domissible but NOT consistent. h(A) & c (A, B) + h(B) | h(B) & c (B, b) + h(G) | h(B) { 8(B) 5 4 4 4 かんかくはナー 3 h(3) 1 3+0 : h(3) \$ 3 Flows h(3) (g(3) : has & 2 and 163 >> 462 NOT tome +> 153 NOT tame, TRUE; Thus Thus, not consistent. admissible

	Subject : Date :
0	omplexity will be needed mone. Because, it may upond the inversevent branch before than expanding the elevent branch.
	lib bpuph sever versions. (ii) Thee Severs Versions.
	In Greeth Search Vorsions, the nodes that have been visited and expanded are kept truck of. But, in true search versions, no such trucking is kept.
104	In Greech sourch vousions, if howistic is admissible then its complete. Heavefile , in tonce sourch resuions the informations the are needed four back trushing are not hope. In tonce search vousions, the howistic has to be the howistic has to
	be complete. A consistent for the A' algorithm to
3	2/11) nemolygion size of Adelson and polygions and sold of the sol

iste [n-Z

Compass End + 10 miles