Totally) Relaxed Phoblem Hamming Distance goal 3 Admissible 4 7 8 (11)= N* (W) Pastially Relaxed D'istance The hemaistic pin h(n) is admissible 1+1+0+2+2+2 Admissible: if h* (n) is the actual cost Goal state on h(n) < h*(n)

If $h_1(n)$ on $h_2(n)$ both are admissible and $h_1(n) \leq h_2(n)$ then $h_2(n)$ is more preferred as it is more accurate.

Why inadmissible hensistic In one not useful 9 Ly They sometimes eliminate the optimal solutions. $(B_2)(h(B_2)=9)h^*(B_2)=3$ (B1) h(b1)=5

(1) Gruph search → Best First: combination of BFS & DFS

Algorithm 'A' La special case: A* 12) Local Seatich

(i) Hill Climbing

(ii) Simulated Annealing

