

	8 puzzle problem:
1178	\$ 4 \ 8 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Trivial state Goal state
0	misplaced tiles manhattan distance
7 50C	Algorithm: was a series of the
	function a_star(start, goal): pq = Minheap() push (pq, (h(start, goal), start, [], 0)). visited = Set()
	Carl Sunda Canapha:
	if current_state == goal. return path+[current_state].
	tor neighbor in generated_mores (unment_state)
. 2	pueh (pg, (f_neighbour, neighbour, path + [current_state, g_neighbour]
	return None

tunction generate-moves (state): "Generate neighbors by moving blant tille in 4 direction (up, down, left, night) // Swap the blank (0) with adjacent tile within bounds. function h(state, goal) d = 0 for each file in state H fil 1= 0. dictance + = abs (current_row - goal_row)
+ abs (current_col - goal_col) return distance. (acrylaph) = p Initial state:h = 4 p = 6



