LAB-03

Ol A' Algorithm for Epuzzle problem function A' search (problem) returns a solution or falue node to a node or with n-state problem in hal state n.g=0 Hontin a priority queve ordered by assending ofth only eliment o loop do if empty? (konties) then return failure n - pop (gronher) it problem goal Test (n state) then return solution)

for each orchion a in problem achiencin state) do n - child Nove (problem, ma) insert(n', g(n' + h(n'), harter)

Misplaced files 1(n)= g(n)+ h(n) g(n) -> depth

h(n) -> no of misplaced files

Manhattan distance

to goal position.

