-> Implement 8 puzzle problem using A' algorithm. Evaluate function: f(n)-g(n)-th(n)
f(n) = estimated total cost of path -through g(n) = cost for Heach n. h(n) = cst from n to goalf(n) = estimated total with.

Best first seagish has f(n) = h(n) Algorithm! function At search (problem) netwerns a solution node = a node p with n state = problem. initial state, ng

trontier = a phionity queue & dedon by ascending

gth only element n. if empty? (frontier) then return pieture

n = pop (frontier)

if problem. goal but (n. state) then return

solution (n)

for each action a in problem. actions (n. state) insert [n', g (n') + h(n'), frontier)