Ellopey Cababas in aktion while 8-Pusse moblem Psueda Code Class Nodi. Fundisin - Mr (State faint), action but Set self faunt parent Set self action action Set self path cost spath are function expende Creat children Set nou, col: juro blankes Create possible action if now co 2 the add down to problem if callo the add left to problem if callo the add right to problem graction or possible = actions!

create new state as a copy of sely. Star of action coloration swap resident else of actions s'down" then surp hustate Craw (out) with russless else y selvers: "left the swap New- State [raw] with new! elsely octions: "right" The sweets (ke) (war)

soly path cost to Children return children furction fra-blank!); you was from Ostor 21 000 Jo Col sa for oto 2: ig self state (row [col)==0 this Charles ander Set frontises : (node(mitral-state)] Set couploid compty set Will frontin is not empty! Set nocks frontie popl ig hod. Stale == good - State then return noch and high of noch state to esoplored:

for chard in noch esepand():

y tuple of child State not in explored

thin append child to frontie. return none tunction pury solution (node): Ouat path while not is not none. a append (pole actions, node feats) to path self nod - noch parent reverse poth for (achim, State) in path it cultim so not none then print "action" action prist state pun"d.

set initial state of [1, 2, 3] [9,46], [1,5]
Set goal - State of [1,2,3], [4,5,6] [18,6]
Set solution, depth - Grov search (Initial) it Solution is not more then purt "Solution found")

call part situtum (solution)