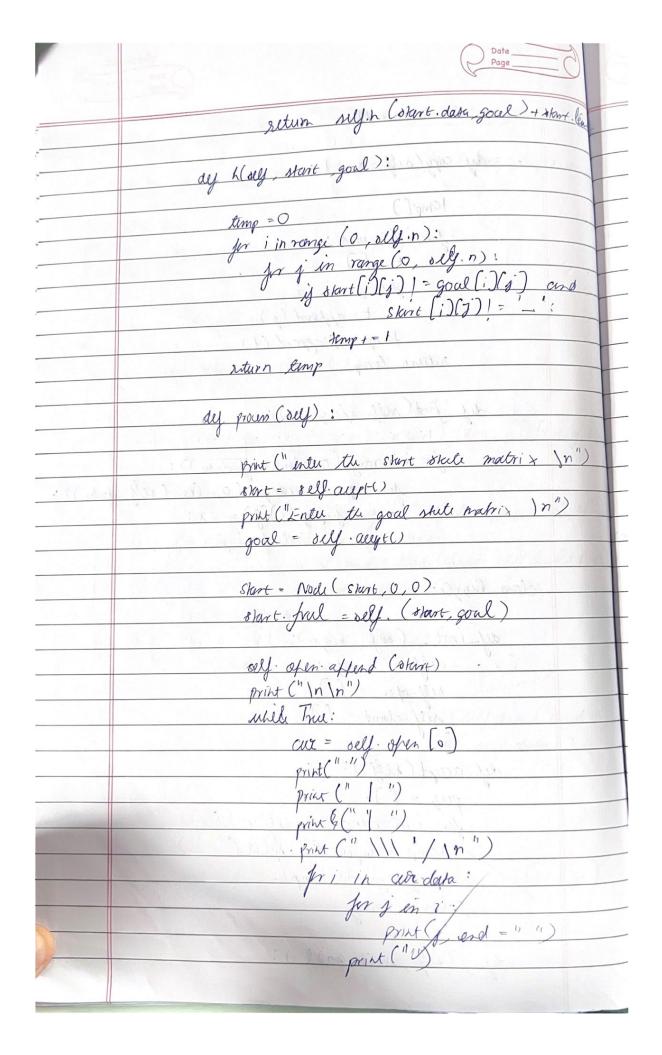
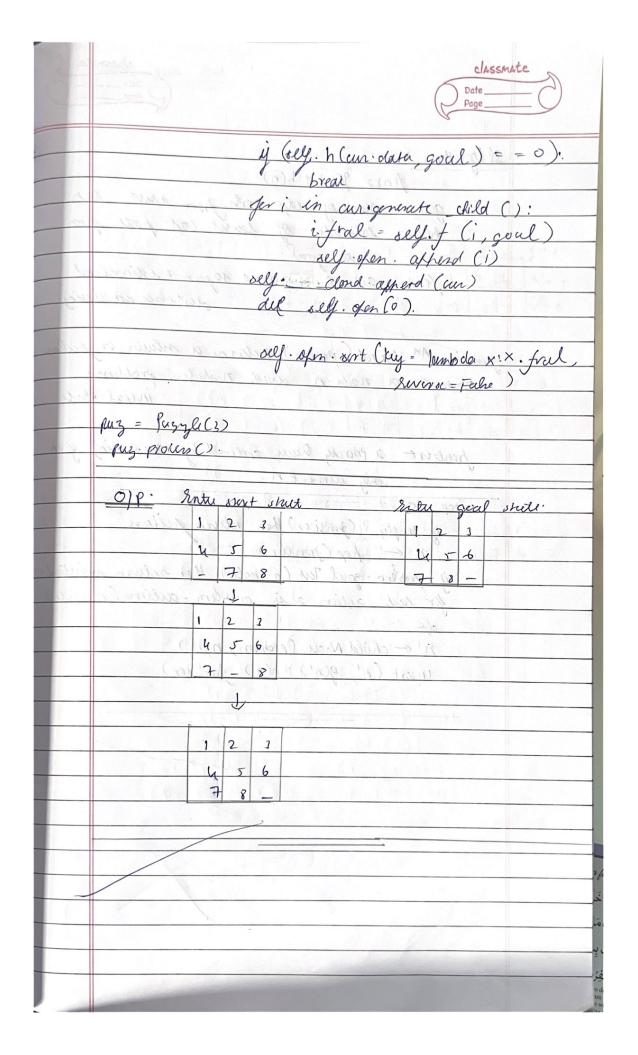
	Page C
30/11/22	Neek: 4: 13th algriskin for 8 purgigle.
	1 100 1 100 1 100 1 1 1 1 1 1 1 1 1 1 1
	Aim: - To implement At adgorithm gr 8 puzzele prosten
	clan Noch:
	def init - (dely dasa lud frol):
	self. dara = dara
	my. lul = lud
- 17/2	oly. pal = pal.
14	
	dy generale dild(self):
	X, y = self. find (self. dam, '-')
	x, y = self. fird (self. dam, '-') val - list = [[x, y-1], [x, y+1], [x-1, y], [x+1, y])
W. (children = ()
	for i in val-list:
	child = oely. Shuggle (ouly. dara, x,y, i(o), i(i)) y hild is not None:
	if shild is not None:
	child_node= Node (child_self.lul+1,0) Children affend (child_node)
	Children aftered (child noch)
	retain children.
	def sheyfle (self puy, 72, y 1, x2, y2):
	if n2>=0 and ne < lin (self-dam) and
	y 2 >= 0 and ye < len (self-duta):
	time-puy=()
	lime - pug - dell upy (hug)
	temp = temp- pyz (p.)(y.).
	time puz (x)(yy)= time-puz (x1 Xy1)
	temp- puy (x.)(y,)= temp
	return emy-prez
	elsi;







	Page O
1 600	Algerithm:
	$7(n)^2$
. (g(n) = sum of edge costs from orust top. h(n) = extinute of launt lost pack from
(10)	h(n) - estimate of launt cost path from
	n to good.
	(n) = actual distance so your + Unimatered
	destance remaining.
Juh.	punction 1st scarch (problem) returns a relucin or quelou noch - a noch n with nocht = groblem.
	noch a noch n with nochet = problem.
	inital sure
	March Straight William Control of the sail
	frontiere a privily our ordered by ascerding gth
	only demont n.
· Nest	loop do
	if empty? (Juntier) then return guiller.
	n < pop (markier)
	if problem goul Test (normly) then return solutions
	for each action a in problem - actions (noute)
	do '
	n' - child Noch (problem, n,a)
	insert (n', g(n') + h(n'), frentier)
1	
2	

