return collision.

function & Co. return g + h

function gen-children ():

children = []

jou eol en vangel 8);

if cal not in green: children appendit

new-state = State (queent.

[col]

children append (new-state)

children. return

Lab 6.

clan states

8 Queens using A stax

function heuristice)

zunc a-star () rastate estate([]) open = {] neap push (open, (a) while open: cur-state : Reap-paplopen) if cur-state gens and cur-state .h = = 0: return queens Box child in generate children! state(F) push (open, (settling) child sol = a-star() il sol:
print "solution bound" print "Not zound". else output: 0

			DATE:	PAGE:
* 8 6	ducens w	sing t	428 cein	obing.
class st	ata.			
	-toit tax	1000		
	nitialize		ns	
	ait' calculat		Cno 0 %	collision
			Bor th	estate)
	heuristi	0 5		
det	occision =	, ()	Jen (que	w)
	Secristic	in rar	Je (35 90):
		0	ge(i+1,	0 5
	Pare 1	in yar	se(i+1,	len (queens)
	,6	weens (1)	== ween	2011
		and a	bs (queens) = z dy (1 - 3	
BUSA STA		Collisio	05. 7 = 1	
13 11 5 15 15 15	return ec	Mision	5.	
of of Hose				
Son	generat	ce meig	shbour (")
	est-state			
	or ? ?n	range (. (-8	
	gor i		-	
	nec	v_state	= State	
	24	FRIED		tatelite:
	1		state heur	
			Best_sta	
	THE RESERVE OF THE PARTY OF THE	0026		

DATE 106 hill climbing () millat state = range (8) bor Pin range (8): enetial state append (random Reap push Copen, Cinitial state while True? e cur-state = heap-poplopm 3) corstate heuristics (=0) generate state push to heap cur_state heuristia Break as state(1) a. hill-dimbing () Quocee

2 ndton collicion = 0 W 品品