



PAGE NO: Ax 8 puzzle dir = [(0,-1), (0,1), (1,0), (-1,0)] god state = global-val" ((2,8,1), (0,4,3), (7,6,5)) 9 = dictionom & god postion Let much the levery fre 18th (Mary party) h = hap i h = (start) (start) (start, a) tenc manhatten (uns): for i in curr for i de aprilisis St= abs (i-gf=) + abs (j-g[]) func mary (cum 9):

for der in dir: 12, ny = 2+d[0], y+d[] if a c=nx c=3 and a c=ny c=3 curt: Such (cur [x][y] cun [nally) KK- 1640 169 f = 9 + 1+ mahatten(com) he (1 (curl g)) de a star (cum), 9) if our ve cur it air-goal : Check (Chin JOS (CAED) astur (& Cistos (CALD) c= heap pop() a steart (CCO), CCI)

