program -1

class Node:

def -init - (seef, data, sevel, fral).

""Initialize the node with the data, level of the node & the calculated produce"

seef. douta = douta

Sey level = level

seef. frac = gras

del generate-cuild (sey):

x, y = seef. gind cself. dosa, '- ')

[[Y, [+x], [[Y, [-x], [[+], x], [[+, x]]] = + sil- lov

enilonen=[]

par in val-sise:

cuild = self-shuffle (self-dara, x,4, : 707, : 717)

if child is not None:

child-node = Node (child, sey. Level + 1,0)

children append (child-node)

vetur children.

def shuffle (seef, puz, x1, 41, x2, 42):

if x27=0 and x2 <1en (sey, dased) and y2>=0

and 42 xien (sey, douta);

temb-bas=[]

temp-puz=self.copy (puz)

temp=temp-puz [x2][42]

temp-puz [xz] [4z] = temp-puz [x1][4]

temp-puz [x1] [y1] = temp

return temp. puz

else:

- 1/ ~ 600 J

retur None

Commercio.

2

GAP-18

Downed Div.