Block world problem

papergria

Date: / /

Block world Problem.

Ex. Solve below block word problem. The inital state and goal state are given below

hf = -10

-4	a
-3	e
-2	c
-1	b
0	d

Initial State

hf = 10

e	+4
d	+3
c	+2
b	+1
a	0

Goal State

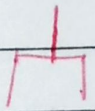
hf - Huristic fun^n.

move

① Place on table

② a on other block

⇒ Given,



①

-4	a
-3	e
-2	c
-1	b
0	d

Now we will put a on ground. As we put it on ground it's value become 0

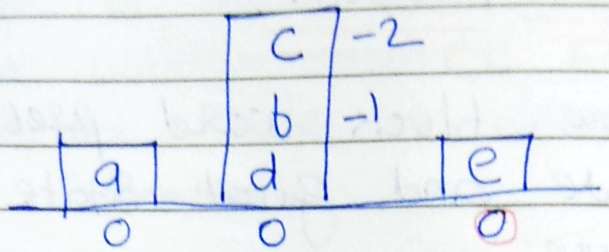
②

e	-3
c	-2
b	-1
d	0

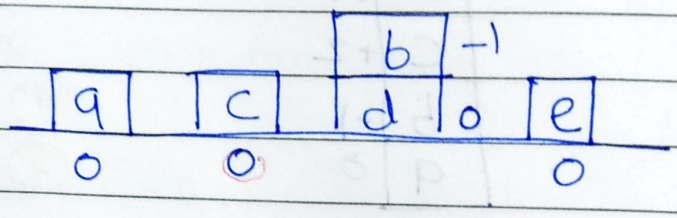
a
0

Put e on ground

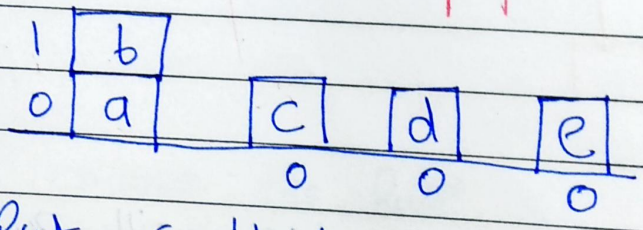
③



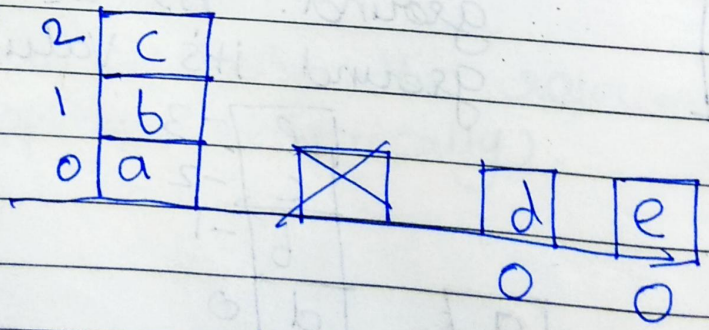
④ Put c on ground



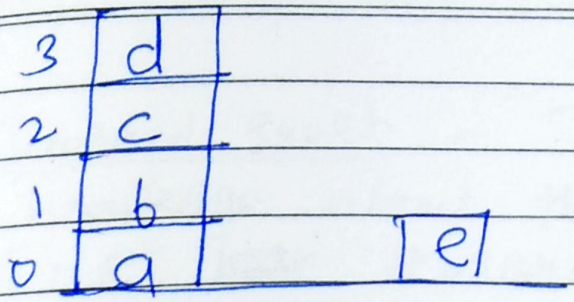
⑤ Put b block on a block.



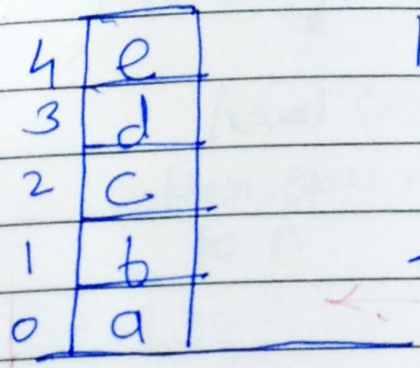
⑥ Put c block on b



(7) Put d on c block



(8) Put e on d



hf = 10

⟸ GOAL State