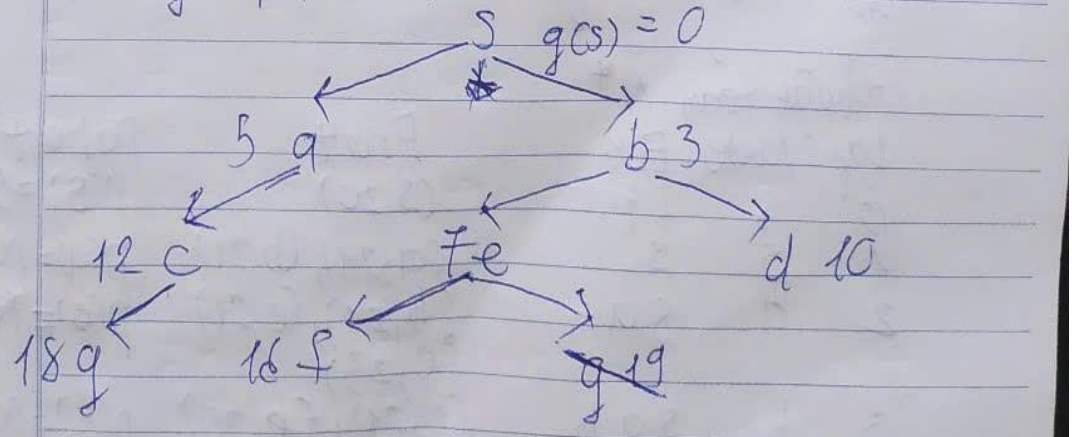
No.
Date

Thuật toán UCS

Lặp	Node	Ex	Frontier	parent
0	S	{}	(S,0)	p(S) = S
1	S	S	(a,5), (b,3)	p(a) = p(b) = S
2	b	S,b	(a,5), (e,7), (d,10)	p(e) = p(d) = b
3	a	S,b,a	(e,7), (d,10), (c,12)	p(c) = a
4	e	S,b,a,e	(d,10), (c,12)	~~p(f) = p(g) = e~~
5	d	S,b,a,e,d	(c,12), (f,16), (g,19)	p(f) = p(g) = d
6	c	S,b,a,e,d,c	(f,16), ~~(g,19)~~ (g,18)	p(g) = c
7	f	S,b,a,e,d,c,f	(g,18)	
8	g			

⇒ g Đúng ⇒ dừng đi : S - a - c - g

* Cây tìm kiếm



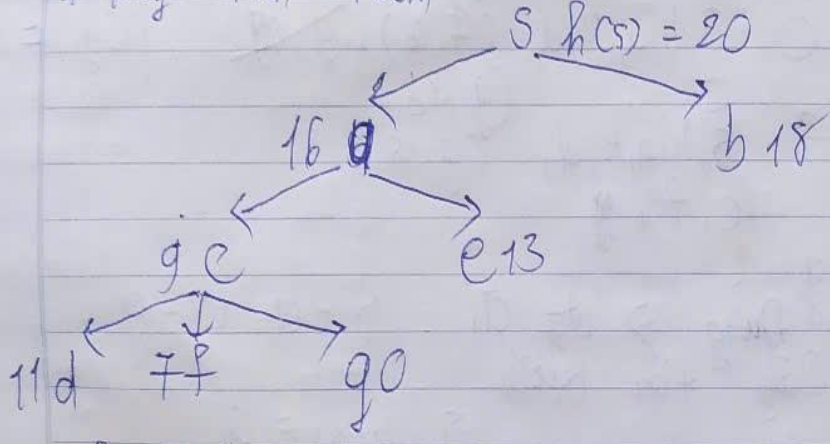
Thuật toán Best - First Search

HẢI TIẾN

Lặp	Node	Ex	Front	parent
0	S	{}	(S,20)	p(S)=S
1	S	S	(a,16), (b,18)	p(a)=p(b)=S
2	a	S,a	(b,18), (c,9), (e,13)	p(c)=p(e)=a
3	c	S,a,c	(b,18), (e,13), (d,11), (f,7), (g,0)	p(d)=p(f)=p(g)=c
4	g			

⇒ Dừng ⇒ đg đi: S-a-c-g

* Cây tìm kiếm



Thuật toán A*

Lặp	Node	Ex	Front	parent
0	S	{}	(S,20)	p(S)=S
1	S	S	(a,21), (b,21)	p(a)=p(b)=S
2	a	S,a	(b,21), (c,21), (e,23)	p(c)=p(e)=a
3	b	S,a,b	(c,21), (e,20), (d,21), (e,23)	p(e)=p(d)=b
4	e	S,a,b,e	(c,21), (d,21),	
5	c	S,a,b,c	(d,21), (f,23), (g,18)	p(f)=p(g)=c
6	g			

No.
Date

⇒ Dừng → đg đi : S - a - C - g

* Cây tìm kiếm