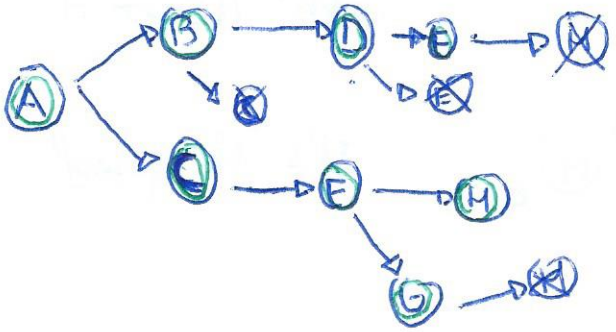
FOLLOW-UP ACTIVITY 1

JOSE COLLADO (3E)

1.

The best strategy is BFS.



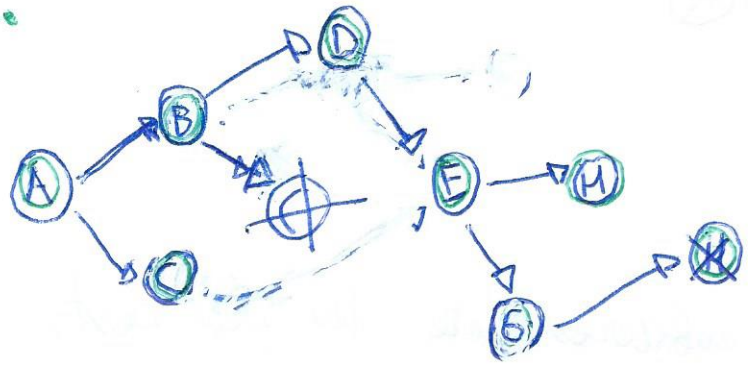
Solution path → A C E H

N° of generated nodes: 12

N° of repeated nodes: 4

N° of expanded nodes: 8

2.



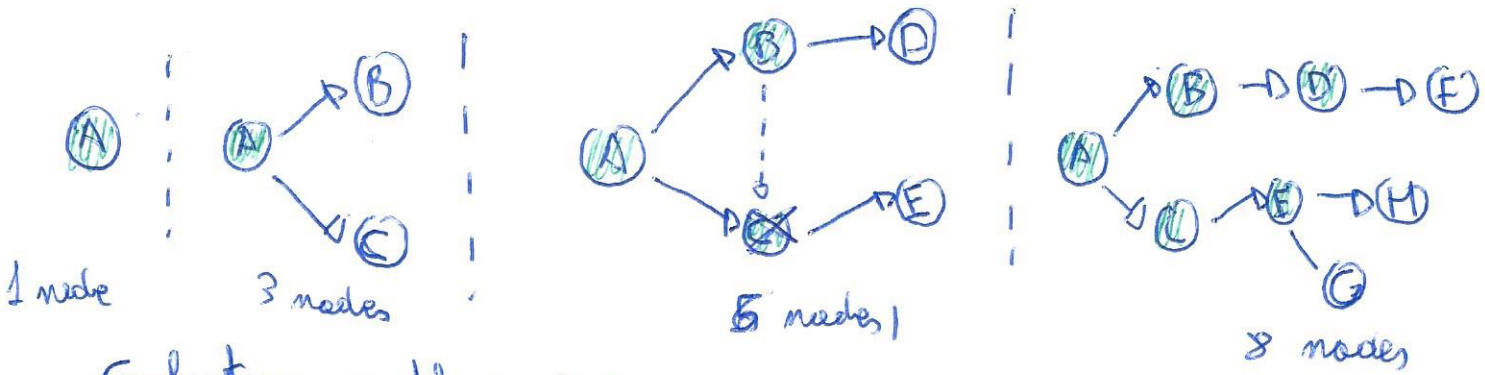
Solution path → A B D E H.

N° of generated nodes: 9

N° of repeated nodes: 2

N° of expanded nodes: 5

3.

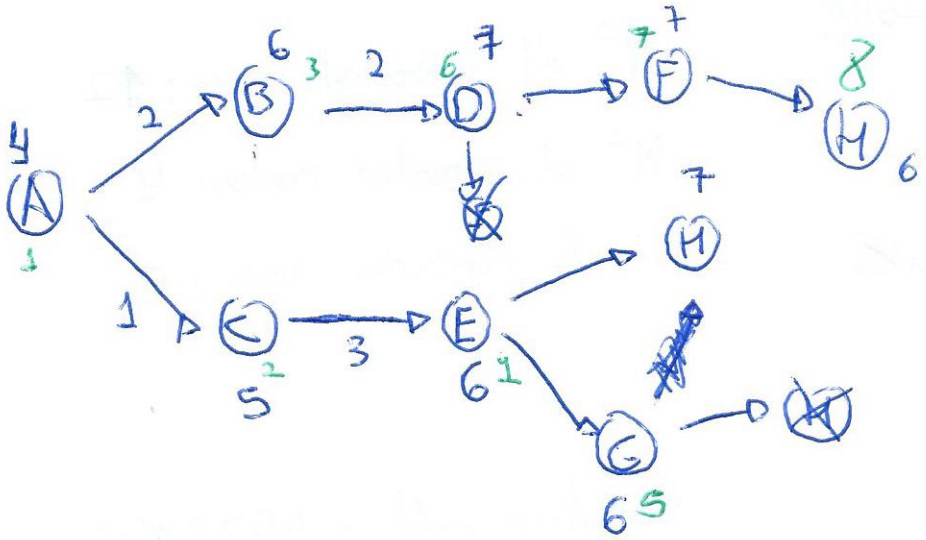


Solution path: A C E H

Nodes generated: 17 (1+3+5+8)

4.

node	A	B	C	D	E	F	G	H
h	4	4	4	3	2	2	2	0



Path: ABDFH

It's the optimal

5.

Is not admisible because it overestimate the real cost, for example $g(F) = 1$ and $h(F) = 2$, so it's not admissible
And it's not consistent because it's not admissible