

Assignment 4 CSSE3100/7100 Reasoning about Programs

Personal feedback

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(a) Stack verification

Node specification (4 marks):

The numbers below refer to the indicated lines in the sample solution. Each is worth 0.5 marks.

1	✓	
5	✓	
8	✓	
9	✓	
10	✗	The specification should be expressed in terms of ghost variable s.
13	✓	
14	✗	
15	✗	
	0	marks taken off for false preconditions
	1	marks taken off for concrete variables in specifications
	0	marks taken off for missing standard conditions for objects

Your mark:

Node invariant (1.5 marks):

2	✓	
3	✓	
4	✓	

Your mark:

Node specification-related code (2 marks):

6	✓	
7	✓	
11	✓	
12	✓	

Your mark:

Stack specification (3 marks):

The numbers below refer to the indicated lines in the sample solution. Each is worth 0.5 marks.

16	✓	
20	✓	
23	✓	
24	✓	
27	✓	
28	✓	
	0	marks taken off for false preconditions
	0.5	marks taken off for concrete variables in specifications - top in Pop
	0	marks taken off for missing standard conditions for objects

Your mark:

Stack invariant (1.5 marks):

17	✓	
18	✓	
19	✓	

Your mark:

Stack specification-related code (2 marks):

21	✓	
22	✓	
25	✓	
26	✓	
29	✓	
30	✓	

Your mark:

Total mark: