

Out of 49

1			
a/2	b/2	c/3	d/3
<p>Correct, though it would have been more accurate to write 'there exists i' rather than 'smallest i'</p> <p>Solution correct and explained, though the explanation could have been written more clearly</p> <p>Solution correct but explanation of steps not provided</p>			
2	2	3	2

2			
a/2	b/2	c/2	d/2
<p>The steps shown in these proofs is insufficient. The full set of steps for an equivalence should be shown</p>			
1	1	1	1

3	
a/3	b/2
Insufficient explanation on why each of the path formulae hold	Well reasoned explanation of the reason that the example does not hold
2	2

4	
/5	
5	

5	
a/2	b/2
2	Example given but not justified 1

6	7	8
/6	/6	/5
Induction is well carried out. It would have been better, however, to insert the proof concerning the A operator, rather than state its similarity to E	Correct methodology but no attempt or mention of the back relation is seen	Good guess. However, I would have liked to have seen a more formal induction regarding points 5 and 7.

