HW1: Symbolic Execution

0. public static int testMethod(int a, int b, int c){
1.   int x = 0, y = 0, z = 0;
2.   if (a) {
3.     x = -2;
4.   }
5.   if (b < 5) {
6.     if (!a && c) { y = 1; }
7.     z = 2;
8.   }
9.   return x+y+z
10. }

Test requirement: The postcondition is x+y+z !=3

Explain the use of symbolic execution for test case generation through the above example.
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The postcondition is  x+y+z !=3