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CSCI 3155

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### Lab1 Written

2)

a)

The 'pi' in line 4 is bound by val pi in line 3 because it is a local variable.

The 'pi' in line 7 is bound to val pi in line 1 because it is a global variable.

b)

The 'x' at line 3 is bound by line 2 because it is passed in as an argument.

The 'x' at line 6 is bound by line 5 because it is using the case statement.

The 'x' at line 10 is bound by line 5 because that is the most recent time x was assigned in its scope.

The 'x' at line 13 is bound by 1 because it is outside of the function

3)

g is well typed with type Int, a is an int and be is an int:

(b,1):Int because

    b:Int because

        x:Int

(b, a + 2):Int because

    b:Int because

        x:Int

    a:Int