```
def is_it_xmas?(month, day)
  if month == 12 && day == 25
    return true
  else
    return false
  end
end
```

Draw a control-flow graph for the function. In addition to the usual CFG features, label the nodes with capital letters (A, B, C, etc.), and label the edges with numbers (1, 2, 3, etc.).

	Inp		Expected	Covers
	month	day	Output	
Th	e function is correct	to the best of my k	nowledge.	
W	nat change to a line in	n the function wou	ld introduce a bug t	that your above test suite catches?
	C		5	
W]	nat change to a line in	n the function wou	ld introduce a bug t	that your above test suite does <u>not</u> catch?
	C		5	

Inp	ut	Expected	Covers
month	day	Output	Covers
he function is correct t	a the best of my l	nowladga	
ne function is correct t	o the best of my k	mowiedge.	
What change to a line in	the function wou	ld introduce a bug t	hat your above test suite catches?
**	4 0		
hat change to a line in	the function wou	Id introduce a bug t	that your above test suite does <u>not</u> catch?

		out	Expected	Covers
	month	day	Output	
Th	e function is correct	to the best of my kno	wledge.	
W	hat change to a line in	n the function would	introduce a bu	ig that your above test suite catches?
W	hat change to a line in	n the function would	introduce a bu	ng that your above test suite does not catch?
. , .				<u> </u>

```
def min_of_three(x, y, z)
   if x < y then
        if x < z then
            return x
        else
            return z
        end
   else
        if y < z then
            return y
        else
            return z
        end
   end
end</pre>
```

Draw a control-flow graph for the function. In addition to the usual CFG features, label the nodes with capital letters (A, B, C, etc.), and label the edges with numbers (1, 2, 3, etc.).				

	Input		Expected Output	Covers	
X	у	Z	Output	Covers	
e function is correct to the best of my knowledge					

Tl	The function is correct to the best of my knowledge.				
W	hat change to a li	ine in the function	would introduce	a bug that you	ur above test suite catches?
W	hat change to a li	ine in the function	would introduce	a bug that yo	ur above test suite does <u>not</u> catch?

	Input		Expected Output	Covers
X	у	Z	Output	Covers

Tł	The function is correct to the best of my knowledge.				
W	hat change to a li	ine in the function	would introduce	a bug that you	ur above test suite catches?
W	hat change to a li	ine in the function	would introduce	a bug that yo	ur above test suite does <u>not</u> catch?

Input		Expected Covers	
у	Z	Output	Covers

The function is correct to the best of my knowledge.
What change to a line in the function would introduce a bug that your above test suite catches?
What change to a line in the function would introduce a bug that your above test suite does <u>not</u> catch?

```
def gcd(x, y)
    if x == 0
        return y
    end
    if y == 0
        return x
    end
    while x != y
        if x > y
            x = x - y
        else
            y = y - x
        end
    end
    return x
end
```

Draw a control-flow graph for the function. In addition to the usual CFG features, label the nodes with capital letters (A, B, C, etc.), and label the edges with numbers (1, 2, 3, etc.).				

	In ₁	out y	Expected Output	Covers			
	Λ	y	Output				
Th	e function is correct	to the best of my kno	owledge				
				ng that your above test suite catches?			
				,			
What change to a line in the function would introduce a bug that your above test suite does <u>not</u> catch?							

	Input y		Expected Output	Covers			
	A	y	Output				
Th	The function is correct to the best of my knowledge.						
W	What change to a line in the function would introduce a bug that your above test suite catches?						

What change to a line in the function would introduce a bug that your above test suite does <u>not</u> catch?

Input		Expected	Covers
X	у	Output	Covers
he function is correct	to the best of my kr	nowledge.	
That ahanga to a line	n the function weed	d introduce a bus that	your above test quite estables?
mai change to a fille	ii the function woul	u miroduce a bug mai	your above test suite catches?

What change to a line in the function would introduce a bug that your above test suite catches?					
What change to a line in the function would introduce a bug that your above test suite does <u>not</u> catch?					

Draw a control-flow graph for the function. In addition to the usual CFG features, label the nodes with capital letters (A, B, C, etc.), and label the edges with numbers (1, 2, 3, etc.).					

	Inp		Expected	Covers		
	array	key	Output	20,013		
Th	e function is correct t	o the best of mv k	nowledge.			
W]	hat change to a line ir	the function wou	ld introduce a bug th	at your above test suite catches?		
117	hat ahanga ta a lina ir	the function way	ld introduce a hua th	at your above test suite does not eatable		
What change to a line in the function would introduce a bug that your above test suite does <u>not</u> catch?						

In	put	Expected	Covers		
array	key	Output	201013		
The function is correct to the best of my knowledge.					
The function is correct	to the best of my l	knowledge.			
			your above test suite catches?		
			your above test suite catches?		
			your above test suite catches?		
			your above test suite catches?		
			your above test suite catches?		
			your above test suite catches?		
			your above test suite catches?		
			your above test suite catches?		
			your above test suite catches?		
			your above test suite catches?		
What change to a line i	in the function wou	ald introduce a bug that y			
What change to a line i	in the function wou	ald introduce a bug that y	your above test suite catches? your above test suite does not catch?		
What change to a line i	in the function wou	ald introduce a bug that y			
What change to a line i	in the function wou	ald introduce a bug that y			
What change to a line i	in the function wou	ald introduce a bug that y			
What change to a line i	in the function wou	ald introduce a bug that y			
What change to a line i	in the function wou	ald introduce a bug that y			

	Inj	put	Expected	Covers		
	array	key	Output	Covers		
		1				
Th	e function is correct	to the best of my kno	owledge.			
W	hat change to a line in	n the function would	introduce a bu	ig that your above test suite catches?		
	C					
W	What change to a line in the function would introduce a bug that your above test suite does <u>not</u> catch?					