

Workflow

Name:	02.01
Points:	3 pts
Deadline:	02/24
Prerequisite(s):	none

Main

1. Create a spreadsheet named **w0201.xls** that generates a runtime table for each of the following functions for a worst-case scenario. Furthermore, for each function state what represents n . Use the floor and/or ceiling functions when needed.

01	bool A(int n)	int B(int data[],int n,int t,int c)	double C(double data[],int n)
02	{	{	{
03	if(n <= 1)	for(int i = 0;i < n;i += 1)	double m = data[0], t;
04	{	{	if(m < data[n-1])
05	return false;	if(data[i] == t)	{
06	}	{	m = data[n-1];
07		return 1;	}
08	for(int i = 2;i * i <= n;i += 1)	}	
09	{	else if(data[i] == c)	for(int i = 1;i <= n/2;i += 1)
10	if(n % i == 0)	{	{
11	{	return 2;	if(data[i] > data[n-(i+1)])
12	return false;	}	{
13	}	}	t = data[i];
14	}	return 0;	}
15	return true;	}	else
16	}		{
17			t = data[n-(i+1)];
18			}
19			
20			if(m < t)
21			{
22			m = t;
23			}
24			}
25			return m;
26			}
27			}

2. Create a text file named **runtime.txt** that provided the runtime function for each of the above functions.