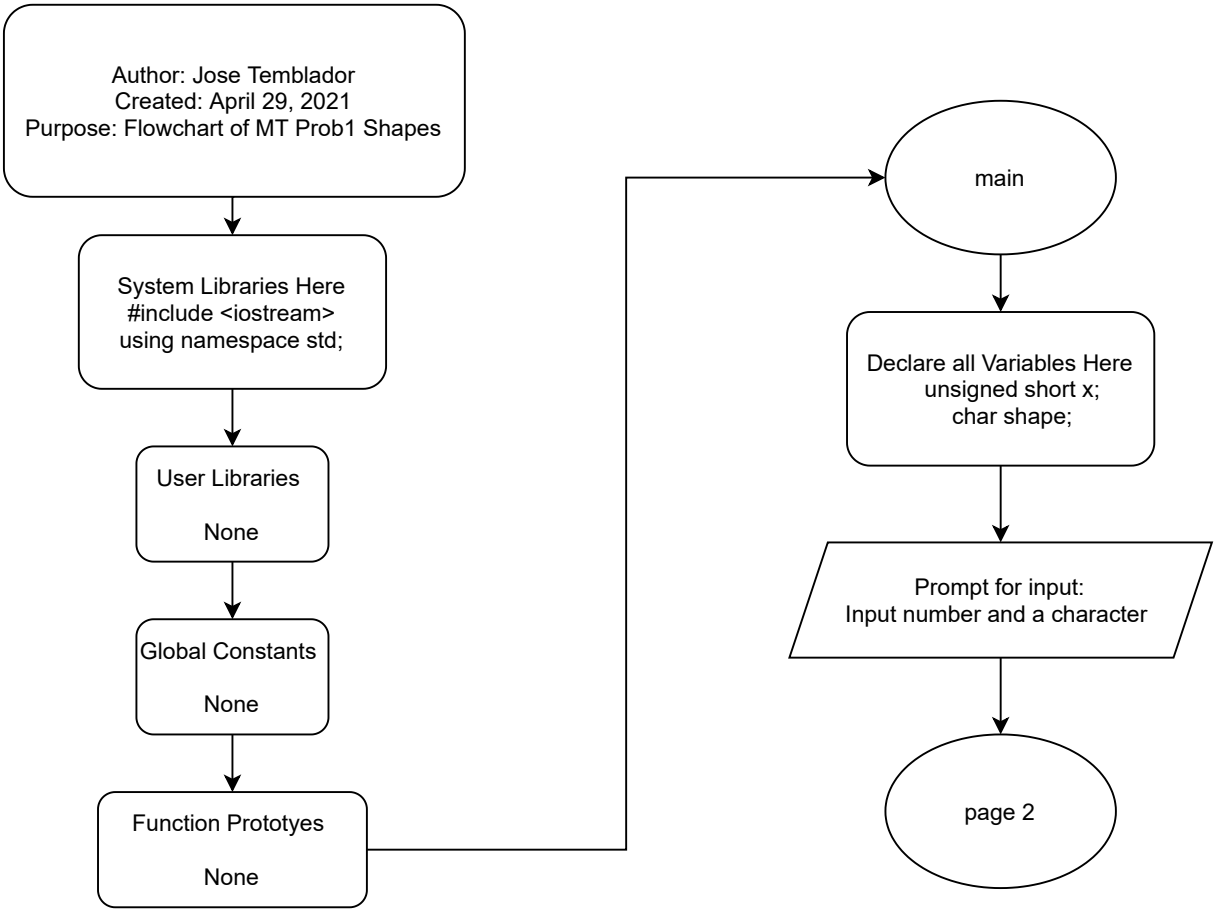
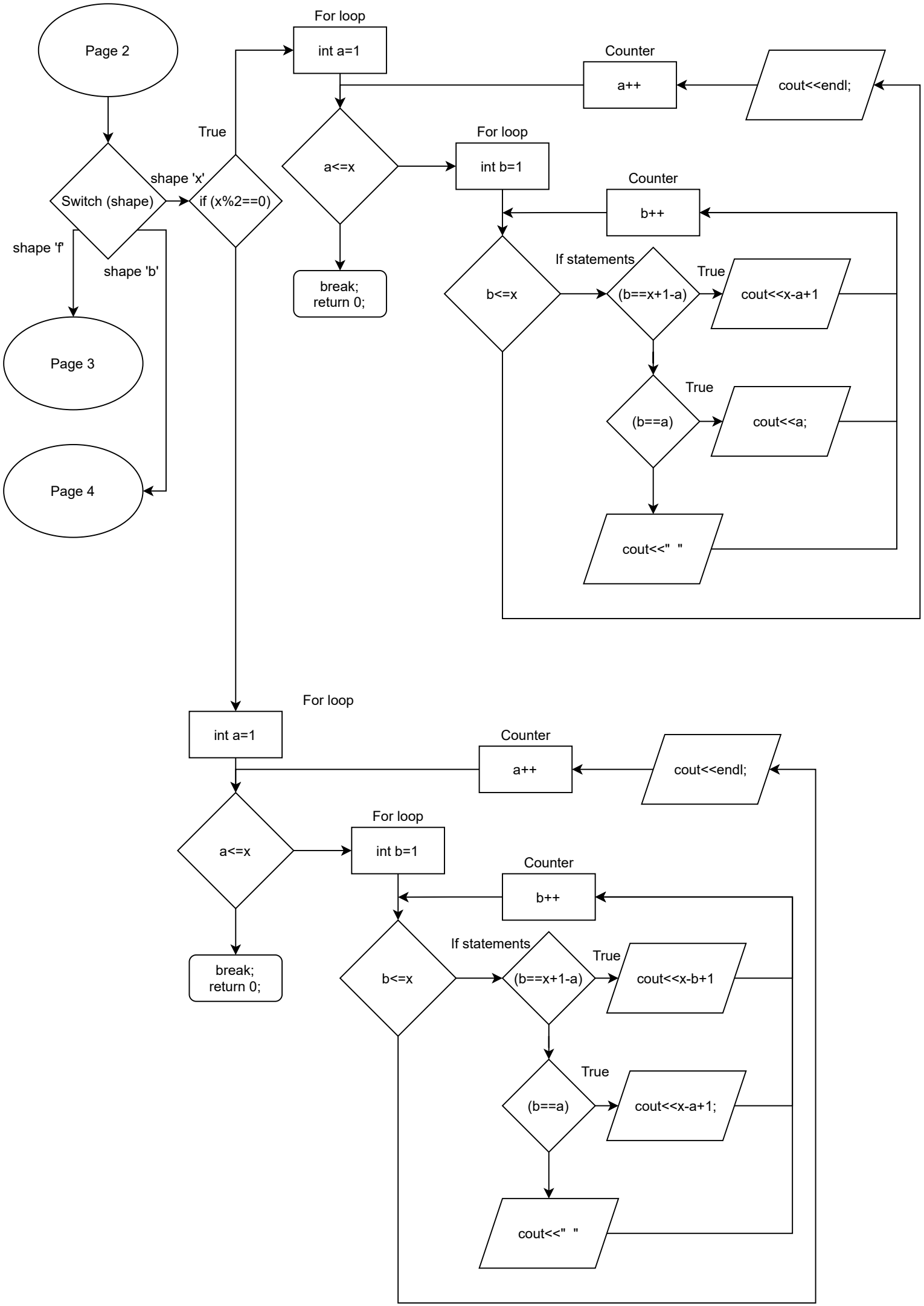
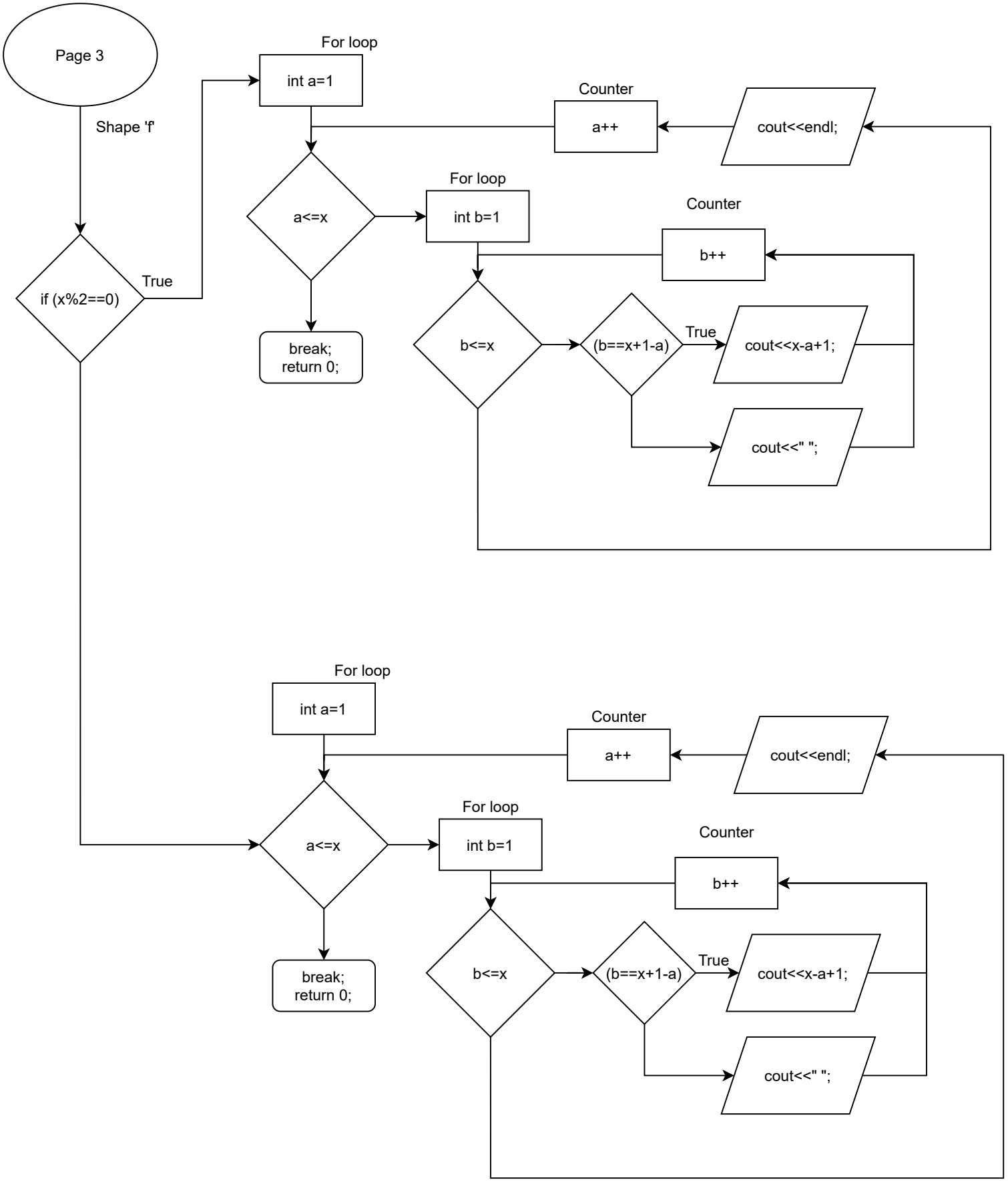
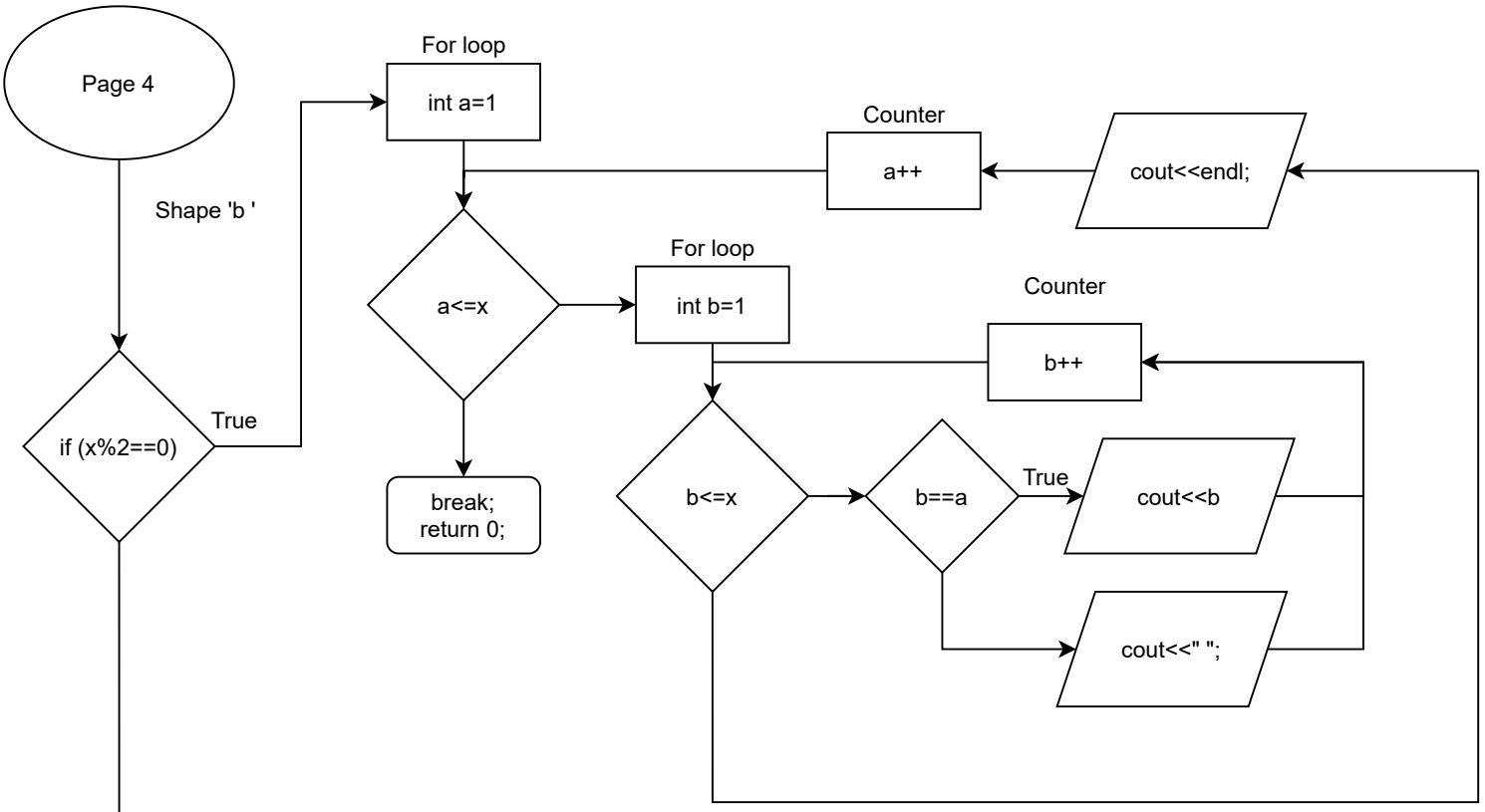
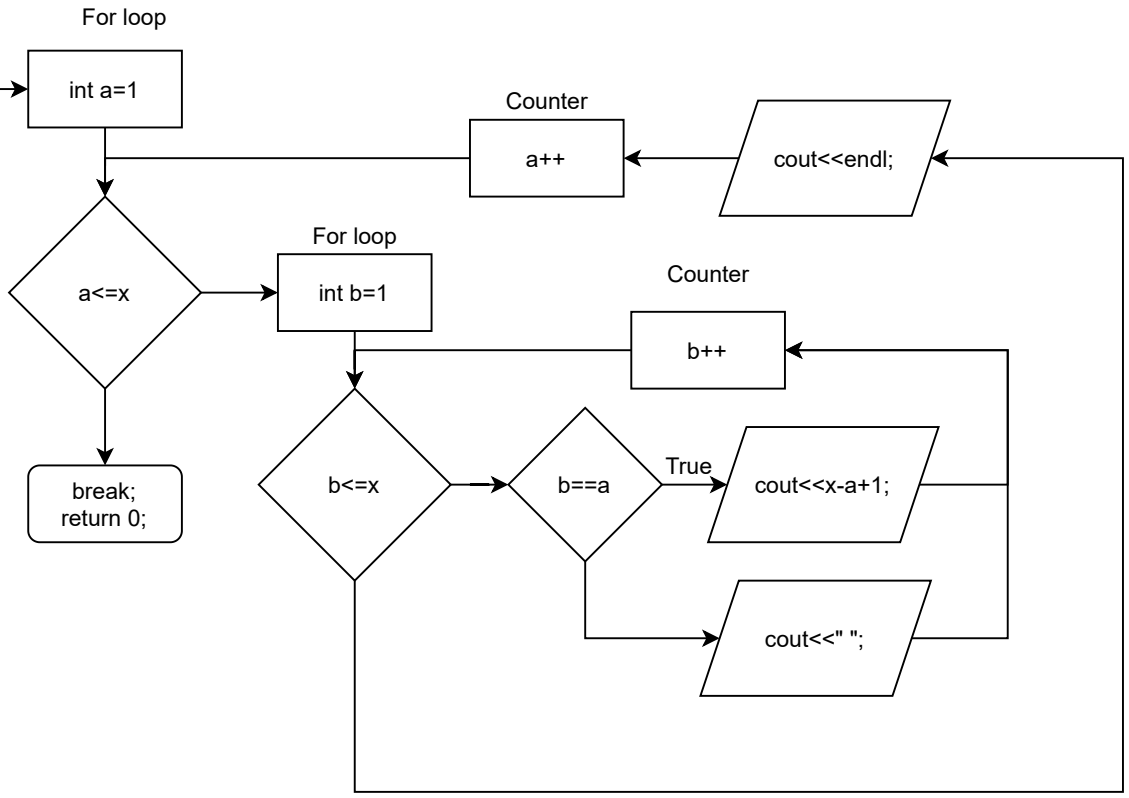

Author: Jose Temblador
Created: April 29, 2021
Purpose: Flowchart of MT Prob1 Shapes
System Libraries Here
#include <iostream>
using namespace std;
User Libraries
None
Global Constants
None
Function Prototyes
None
main
Declare all Variables Here
unsigned short x;
char shape;
Prompt for input:
Input number and a character
page 2


Page 2
Switch (shape)
shape 'f'
shape 'b'
shape 'x'
Page 3
Page 4
if (x%2==0)
True
For loop
int a=1
a<=x
break;
return 0;
Counter
a++
cout<<endl;
For loop
int b=1
Counter
b++
b<=x
If statements
(b==x+1-a)
True
cout<<x-a+1
(b==a)
True
cout<<a;
cout<<" "
For loop
int a=1
Counter
a++
cout<<endl;
a<=x
For loop
int b=1
Counter
b++
break;
return 0;
b<=x
If statements
(b==x+1-a)
True
cout<<x-b+1
(b==a)
True
cout<<x-a+1;
cout<<" "


Page 3
Shape 'f'
if (x%2==0)
True
For loop
int a=1
a<=x
break;
return 0;
Counter
a++
cout<<endl;
For loop
int b=1
Counter
b++
b<=x
(b==x+1-a)
True
cout<<x-a+1;
cout<<" ";
For loop
int a=1
a<=x
break;
return 0;
Counter
a++
cout<<endl;
For loop
int b=1
Counter
b++
b<=x
(b==x+1-a)
True
cout<<x-a+1;
cout<<" ";


Page 4
Shape 'b '
if (x%2==0)
True
For loop
int a=1
a<=x
break;
return 0;
Counter
a++
cout<<endl;
For loop
int b=1
Counter
b++
b<=x
b==a
True
cout<<b
cout<<" ";


For loop
int a=1
a<=x
break;
return 0;
Counter
a++
cout<<endl;
For loop
int b=1
Counter
b++
b<=x
b==a
True
cout<<x-a+1;
cout<<" ";