

Problem 1

Start

black = 0, brown = 1, red = 2, orange = 3, yellow = 4,
green = 5, blue = 6, violet = 7, gray = 8, white = 9

Input

Omar Ahmadi

Expected
Output

Actual
Output
(in ohms)

240

240

2,200,000

2,200,000

Error

Error

110

110

Print "enter first band's color"

red, yellow, brown

Read firstBand

red, red, green

Print "enter second band's
color"

brown, brown, white

Read secondBand

brown, brown, brown

Print "enter third band's
color"

thirdBandMultiplier = $10^{(\text{thirdBand})}$

Read thirdBand

resistanceValue = ((firstBand x 10) + secondBand) x
thirdBandMultiplier

Print
error

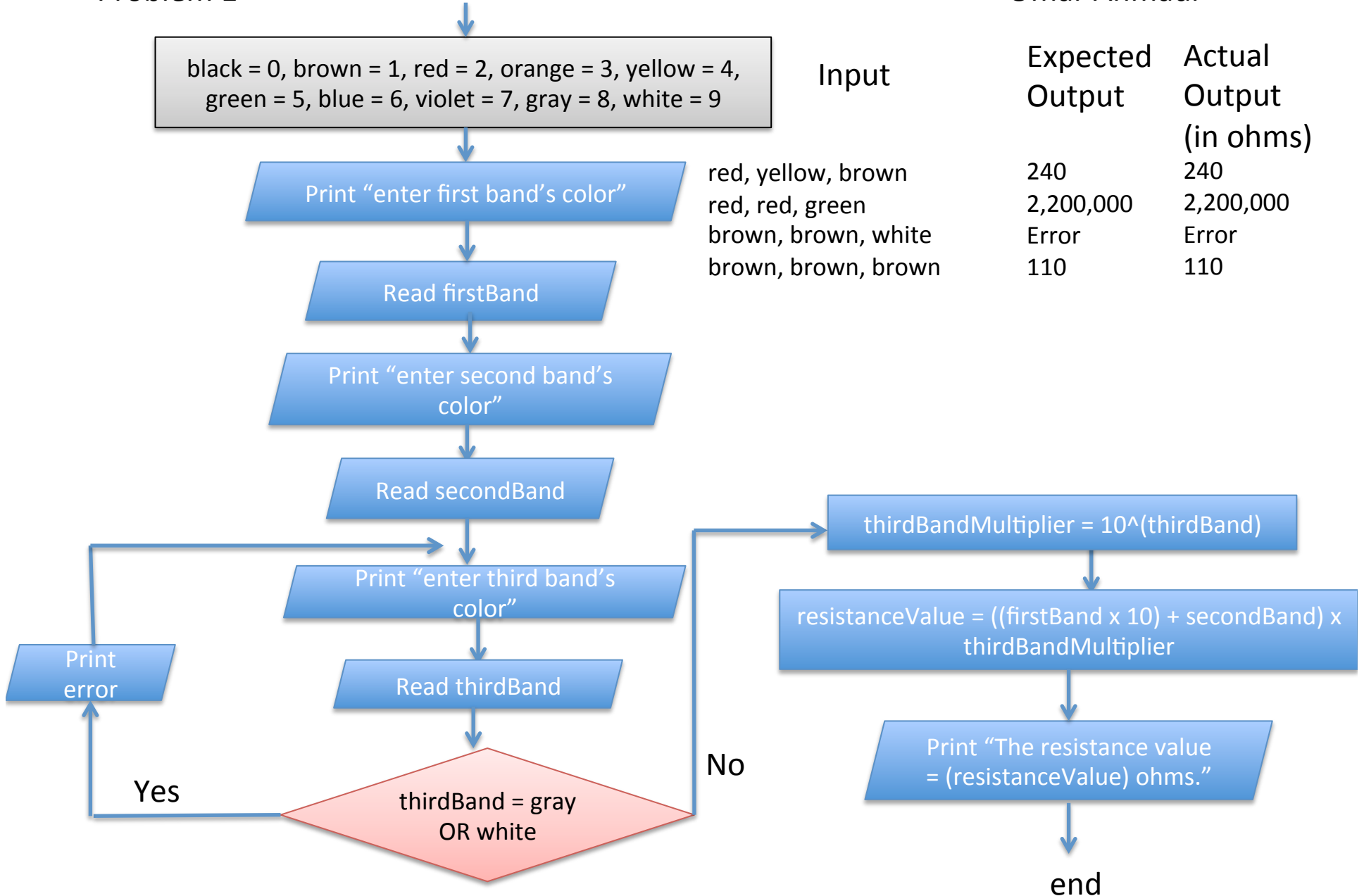
Yes

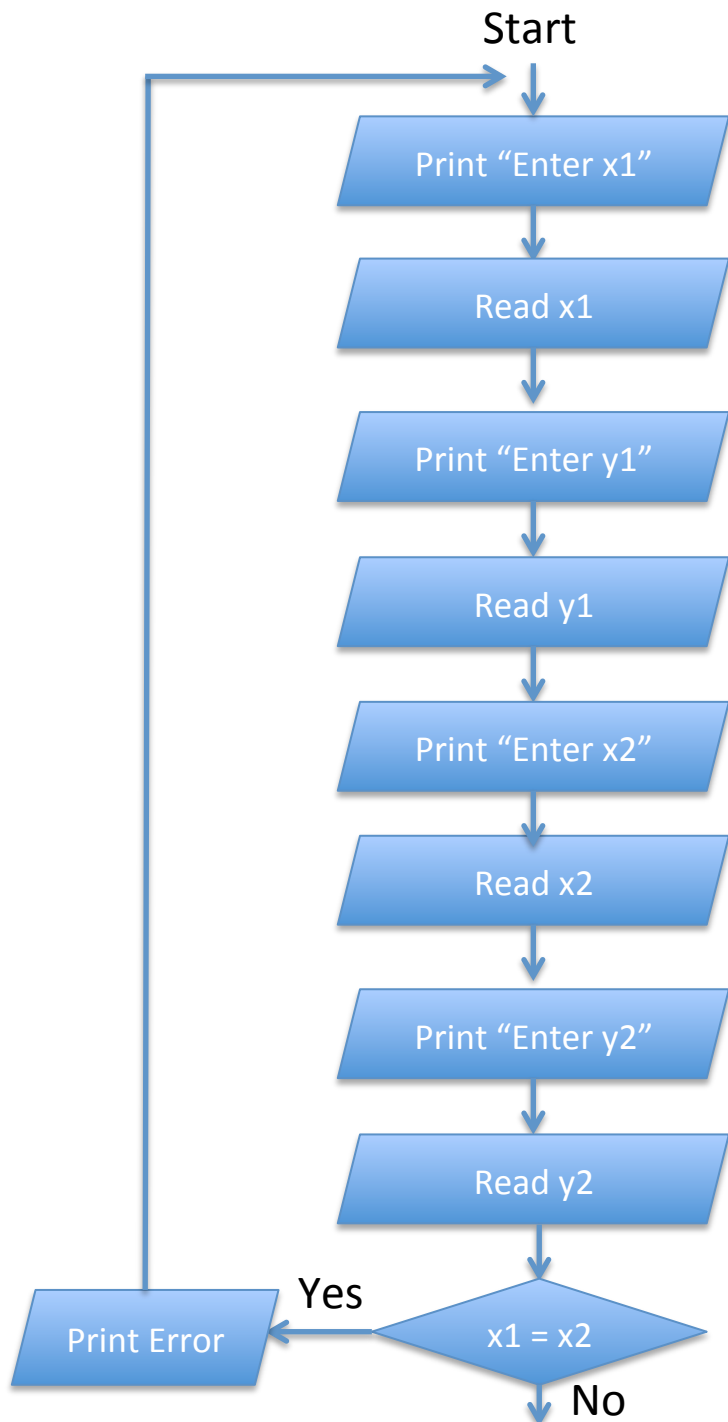
thirdBand = gray
OR white

No

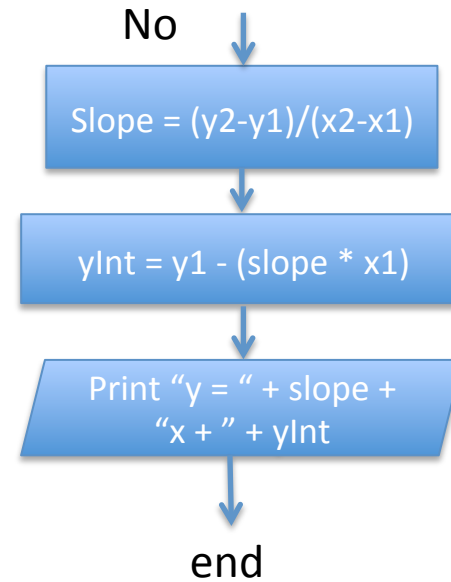
Print "The resistance value
= (resistanceValue) ohms."

end





Problem 2



Input

(1,2) (-2,-4)
 (2,2) (2,2)
 (3,1) (3,7)
 (1, 3) (2, 3)
 (4,3) (3,4)

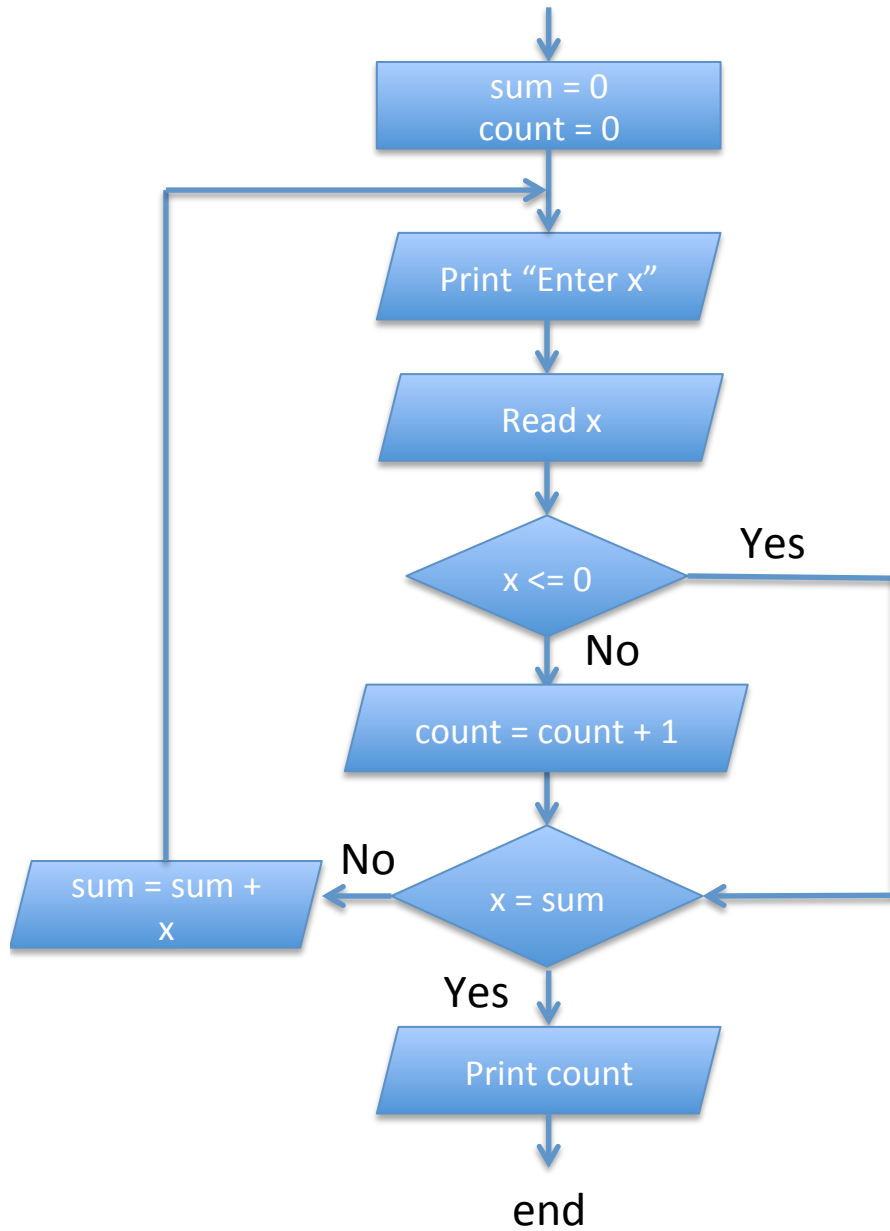
Expected
Output

y = 2x
 Error
 Error
 y = 0x + 3
 y = -1x + 7

Actual
Output

y = 2x
 Error
 Error
 y = 0x + 3
 y = -1x + 7

Start



Problem 3

Input	Expected Output	Actual Output
-2,0,1,-1	1	1
1,3,4,8	4	4
-1,-1,-2	0	0
0	0	0