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Gabbis Edition 8th- Chapter 4 Problem 4

Pseudocode

START

1. Set variables to be inputted by the user for both rectangles
2. Ask the user to input the length and width of Rectangle 1
3. Ask the user to input the length and width of Rectangle 2
4. area1 = length1 \* width1
5. area2 = length2 \* width2
6. if (area1 > area2)
7. Print: Ture – if “Rectangle 1 has a greater area.”
8. else if (area1 < area2)
9. Print: Ture – if “Rectangle 1 has a greater area.”
10. else if (area1 == area2)
11. Print: True – if “Both rectangles have the same area.”

END

Flowchart

Set variable:

length1, width1, area1, length2, width2, area2

START

area1 = length1 \* width1

area2 = length2 \* width2

Rectangle 2: Enter the width

Rectangle 2: Enter the length

Rectangle 1: Enter the width

Rectangle 1: Enter the length

False

END

True

Rectangle 2 has a greater area

else if (area1 == area2)

False

Rectangle 1 has a greater area

Rectangle 2 has a greater area

True

else if (area1 < area2)

False

True

if (area1 > area2)