Exercise 1

```
        ┌──────────┐
        │  Start   │
        └────┬─────┘
             │
             ▼
        ┌──────────┐
        │ GET n1,  │
        │   n2,    │
        │   a=0    │
        └────┬─────┘
             │
             ▼
          ◇ IF(n1==n2) ◇
     yes ───────    ─────── no
```

Start

GET n1, n2, a=0

IF(n1==n2)

yes

no

a=n1*n2

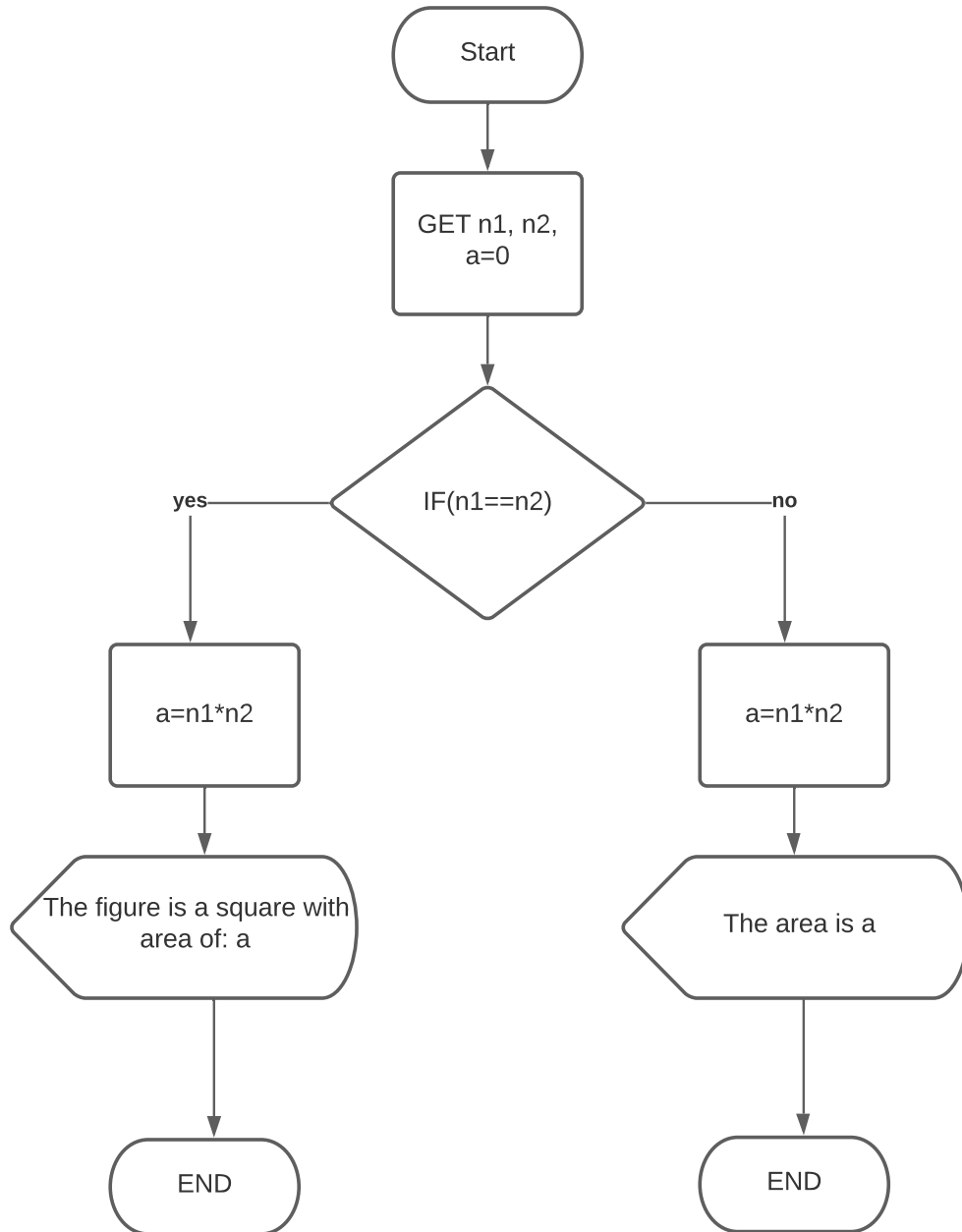a=n1*n2

The figure is a square with area of: a

The area is a

END

END

Design the algorithm for a program that obtain the length and width of a rectangle from the user. Calculate and output the area. If the length and width are equal, output a message indicating that the figure is a square. Make a list of variables, draw the flowchart, and perform a desk check using the following: 4, 8, 5, 5

GET
n1
n2

IF (n1==n2):
    a=n1*n2
    PRINT The figure is a square with area of: a

ELSE:
    a=n1*n2
    PRINT The area is: ",a)