Ex. No. 1(g) **WHEIGHT OF STEEL ROD**

Date:29.11.2022

AIM

To draw flowchart and write algorithm for the given problem

ALGORITHM:

Step1: Start

Step2: Get the number of iron rod required as n

Step3: Initialize I = 0 and total = 0

Step4: Check if the value of I is less than n

4.1: If the condition is true get the diameter of the rod D

4.1.1: Calculate unit weight using formula D**2/162

4.1.2: Get number of rod with diameter D

4.1.3: Calculate weight of rod using formula no of rod*D*unit weight

4.1.4: Add the weight to total

4.1.5: increment value of I by 1

4.2: If condition is false, display total as total weight of rod

Step5: Stop

Roll No.:22CSEB25

Name: SHREEVARSHINI R

PSEUDO CODE

START

GET number of iron rods as n

INITIALIZE I=0 total=0

If i<n THEN

Get diameter of rod D

CALCULATE unit weight using formula D**2/16

GET number of rods with D

CALCULATE weight of rod using formula, number of rods*D* unit weight add weight to total

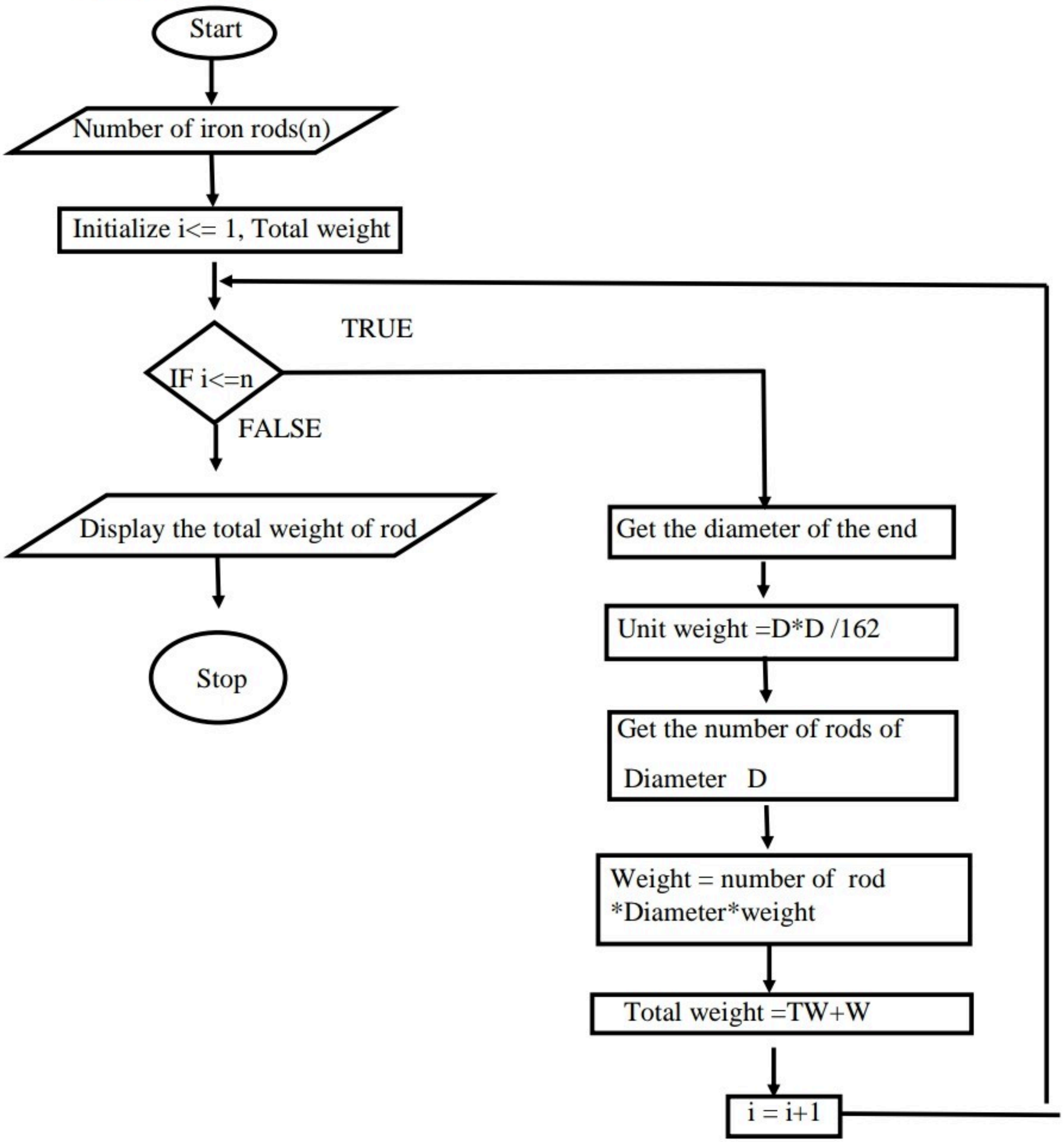
i=i+1

ELSE

Display total weight of rod

STOP

FLOW CHART:



RESULT:

Thus ,the flowchart and the algorithm is written for the problem.

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