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Number 1.

1. Num=0 , Count=0

2. Begin

3. If Num%2==0

4. Begin

5. Count=Count+1

6. Print Count

7. End

8. End

9. Else

10. Begin

11. Print Count=0

12. End

13. Num+1=Num

14. If Num==50000

15. Begin

16. If Num%2==0

 Begin

18. Count=Count+1

18. Print Count

19. End

20. Else

21. Begin

22. Repeat step 13

23. End

24. End

Number 2.

1. Input x "operator" y

2. Switch "operator"

3. Case== +

4. Print "add x and y"

5. Case== -

6. Print "subtract y from x"

7. Case== \*

8. Print "multiply x by y"

9. Case== /

10. Print "divide x by y"

11. Default

12. Print "invalid operator"

13. End