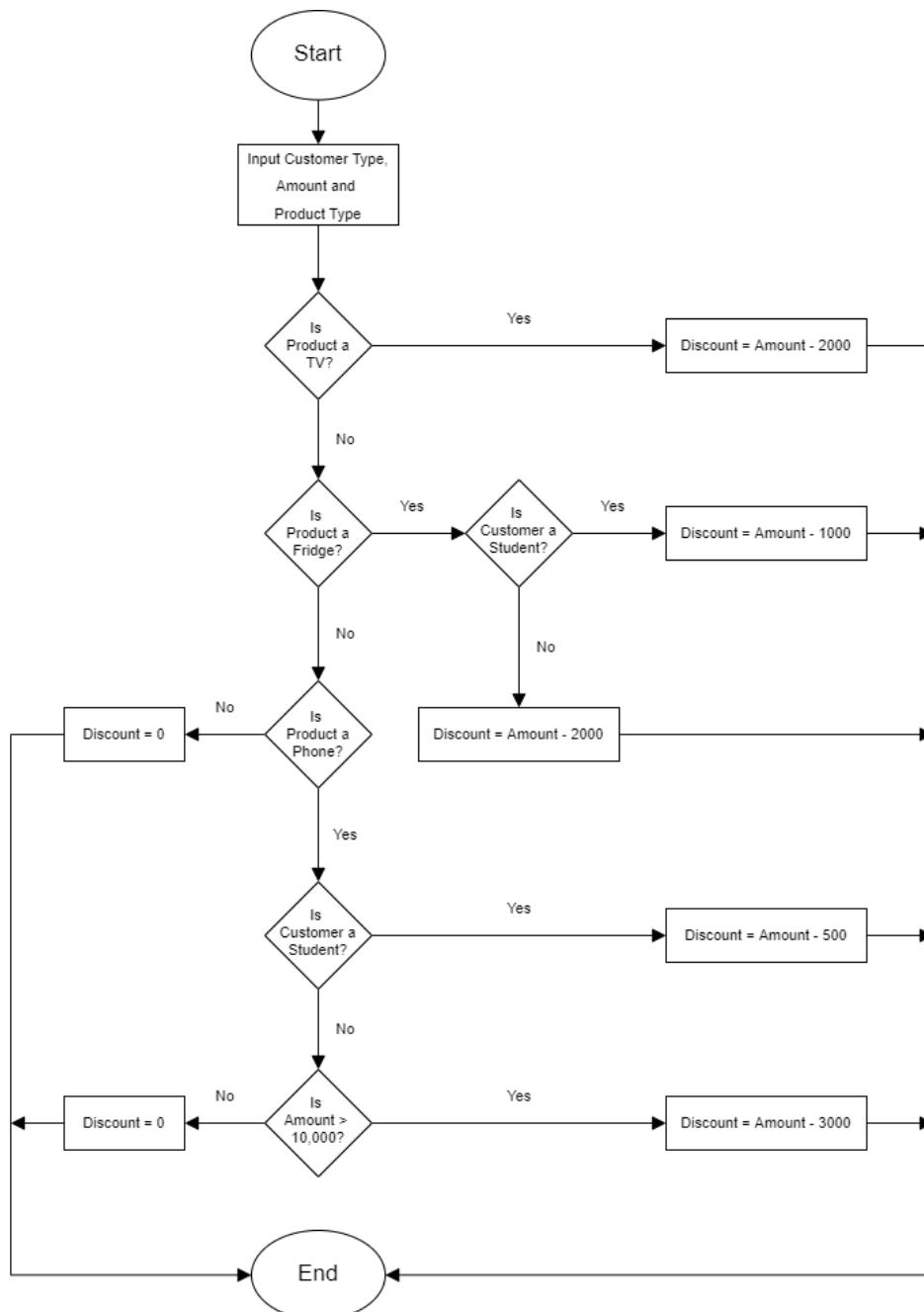


**Q1. Study the flowchart given below.**

	Customer Type	Amount	Product Type
a.	Not Student	8000	TV
b.	Student	4000	Phone
c.	Not Student	15,000	Phone

Calculate the discount for the following inputs:



**Q.2.** Write an algorithm to check that a year is a leap year or not. A leap year is exactly divisible by 4 except for century years (years ending with 00). The century year is a leap year only if it is perfectly divisible by 400.

**For example,**

1999 is not a leap year

2000 is a leap year

2004 is a leap year

**Q.3 Make a flow chart for the following :**

In a company, there are deductions from the salary of the employees for a fund. The deductions rules are as follows: -

- If salary is less than Rs.10,000 then no deduction.
- If salary is equal to or more than Rs.10,000 and less than Rs.20,000 then deduct Rs.1,000 as fund.
- If salary is equal to or more than 20,000 then deduct 7 % of the salary for fund

Input salary from user and after appropriate deduction show the net payable amount

**Q.4** What will be output of the following flowchart if Size is given as input in the following order: **3 2 1.5 0 1**. Complete the trace table given below for each iteration.

