Question 7:

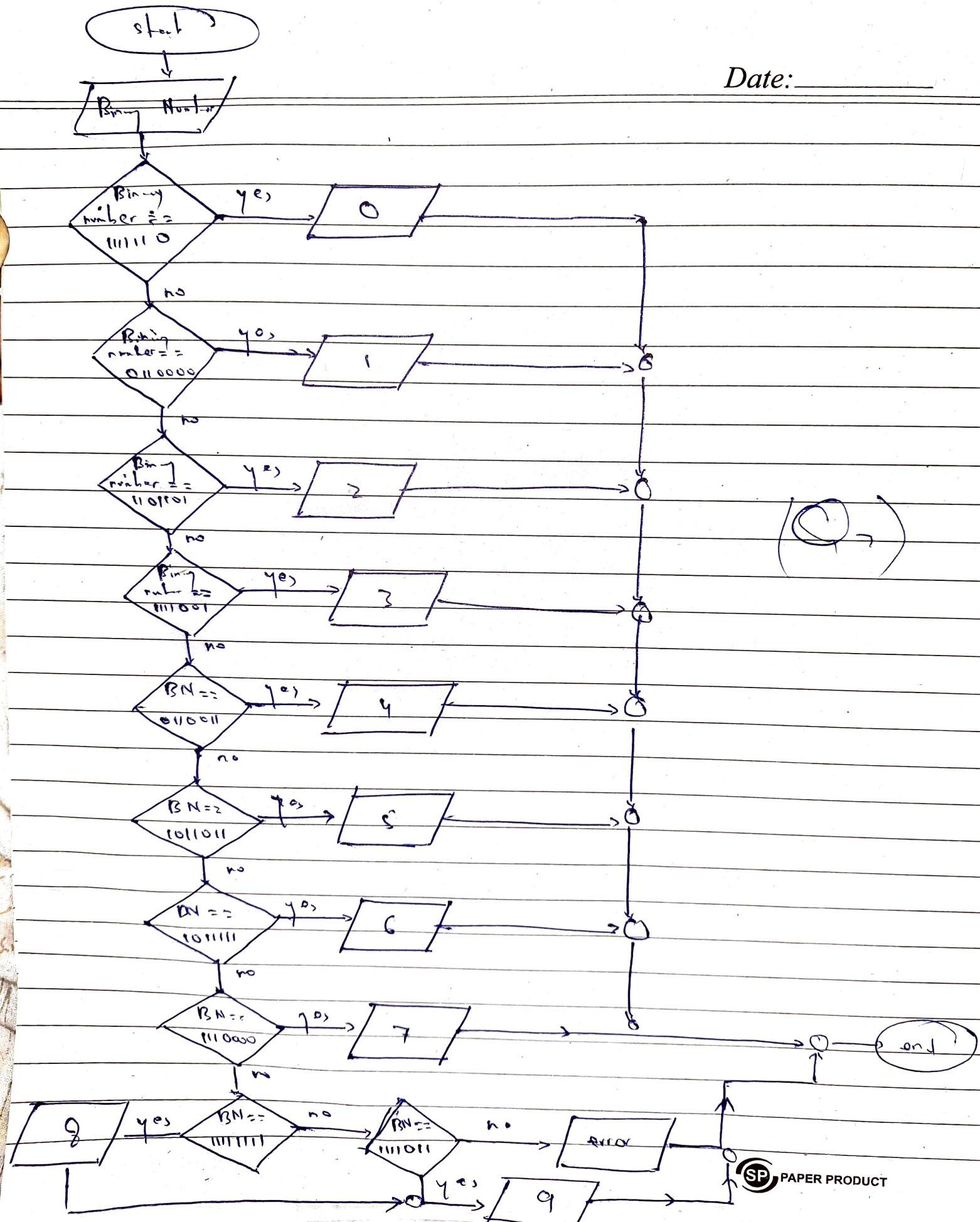
TPO

Date:_____

input	processing	output
Binary number	if the Binary number is 1111110 display '0' else if the number is 0110000 display '1' else if the number is 1101101 display '2' else if the number is 1111001 display 3 else if the number is 0110011 display 4 else if the number is 1011011 display '5' else if the number is 1011111 display '6' else if the number is 1110000 display '7', display 8 if number is 1111111 else if display '9' if number is 1111011. Not) then the 7 binary digits represent A-G respectively, 1 lighting up the led screen while 0 turns off the led screen	0-9 error

Flowchart.

Date:_____



Date:_____

```
Start
Input ⟶ Binary number
if (Binumber = 1111110) then
print "0"
else (Binumber = 0110000) if
print "1"
end if
if (Binum = 1101101) then
print "2"
else (Binumber = 1111001)
print "3"
end if
if (Binary number = 0110011) then
print "4"
else (Binary number = 1011011)
print "5"
end if
if (Binary number = 1011111)
print "6"
else (Binary number = 1110000)
print "7"
end if
if (Binary number = 1111111)
print "8"
else if(Binary number = 1111011)
print "9"
else if
print "error"
```

(9.7)