

Problem no. 10

## IPO Chart

Input	Processing	Output
Binary Code	Start.	User's required floor.
Initial Floor = -1	If (Binary Code = 1000000) Print (Floor ← 0) If (Binary Code = 0110000) Print (Floor ← 1) Else if (Binary Code = 0011000) Print (Floor ← 2) Else if (Binary Code = 0001100) Print (Floor ← 3) Else if (Binary Code = 0000110) Print (Floor ← 4) Else if (Binary Code = 0000011) Print (Floor ← 5) Else if (Binary Code = 1000010) Print (Floor ← 6) Else if (Binary Code = 1000001) Print (Floor ← 7) Else if (Binary Code = 1100000) Print (Floor ← 8) Else if (Binary Code = 1110000) Print (Floor ← 9) Else Print ("Invalid Data")	
	End.	

## Pseudocode

Step 1: Start.

Step 2: Read and Declare Binary Code, floor.

Step 3: If (Binary Code = 1000000) Print "Floor 0".

Step 4: Else if (Binary Code = 0110000) Print "Floor 1".

Step 5: Else if (Binary Code = 0011000) Print "Floor 2".

Step 6: Else if (Binary Code = 0001100) Print "Floor 3".

Step 7: Else if (Binary Code = 0000110) Print "Floor 4".

Step 8: Else if (Binary Code = 0000011) Print "Floor 5".

Step 9: Else if (Binary Code = 1000010) Print "Floor 6".

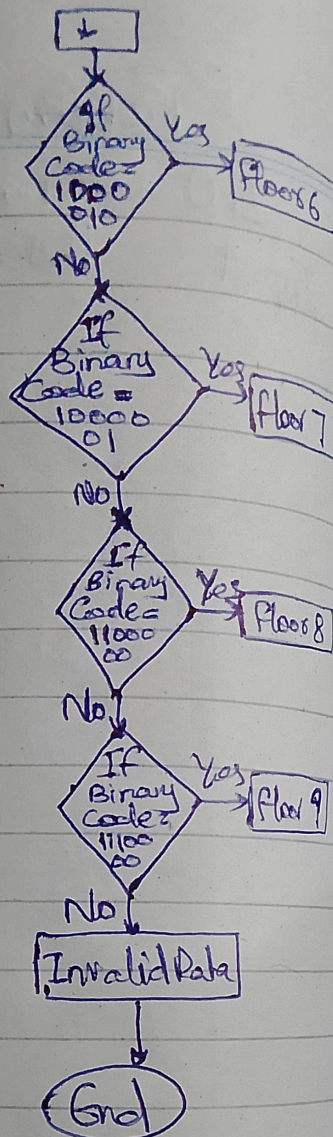
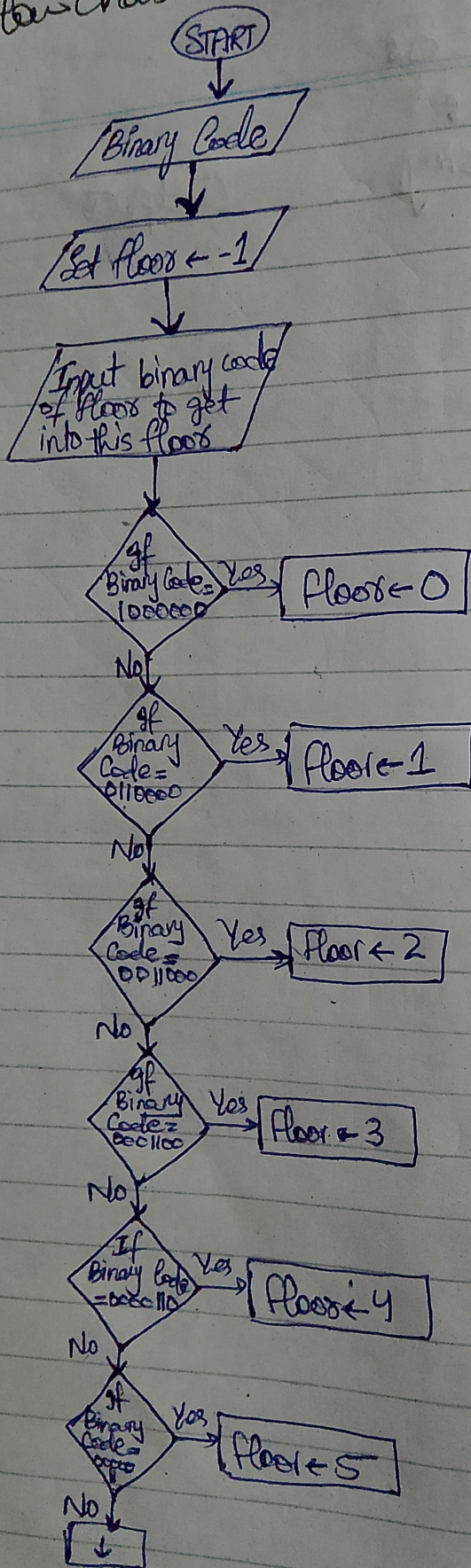
Step 10: Else if (Binary Code = 1000001) Print "Floor 7".

Step 11: Else if (Binary Code = 1100000) Print "Floor 8".

Step 12: Else if (Binary Code = 1110000) Print "Floor 9". End.



## Flowcharts



## Problem IPO

Input  
Binary code  
Initial  
Floor = -1

Process  
Start.  
If (Binary Code = 1000000)  
Print Floor  
Else if (Binary Code = 0110000)  
Print Floor  
Else if (Binary Code = 0011000)  
Print Floor  
Else if (Binary Code = 0001100)  
Print Floor  
Else if (Binary Code = 0000110)  
Print Floor  
Else if (Binary Code = 0000011)  
Print Floor  
Else  
Print Invalid Data

## Pseudocodes

Step 1: Start.

Step 2: Read and

Step 3: If (Binary Code = 1000000)

Step 4: Else if (Binary Code = 0110000)

Step 5: Else if (Binary Code = 0011000)

Step 6: Else if (Binary Code = 0001100)

Step 7: Else if (Binary Code = 0000110)

Step 8: Else if (Binary Code = 0000011)

Step 9: Else if (Binary Code = 0000000)

Step 10: Else if (Binary Code = 1100000)

Step 11: Else if (Binary Code = 1100000)