Problem 7: Which floor… (ELEVATOR)

IPO

Input	Process	Output

C (A 7-digit number comprising only 1s and 0s.)	If (1111110) then
	        Print "the lift is on the floor: 0"
	Else if (c = 0110000) then
	        Print "the lift is on the floor: 1"
	Else if (1101101) then
	        Print "the lift is on the floor: 2"
	Else if (1111000) then
	        Print "the lift is on the floor: 3"
	Else if (0110011) then
	        Print "the lift is on the floor: 4"
	Else if (1011011) then
	        Print "the lift is on the floor: 5"
	Else if (1011111) then
	        Print "the lift is on the floor: 6"
	        Else if (1110000) then
	        Print "the lift is on the floor: 7"
	Else if (1111111) then
	        Print "the lift is on the floor: 8"
	Else if (1110011) then
	        Print "the lift is on the floor: 9"
	Else
	        Print "Invalid Input."
		A single digit number which tells us on which floor we are right now.

PSEUDOCODE
Start
// Input
        c (A 7-digit number comprising only 1s and 0s.)
// Process
        If (c = 1111110) then
                Print "the lift is on the floor: 0"
        Else if (c = 0110000) then
                Print "the lift is on the floor: 1"
        Else if (c = 1101101) then
                Print "the lift is on the floor: 2"
        Else if (c = 1111000) then
                Print "the lift is on the floor: 3"
        Else if (c = 0110011) then
                Print "the lift is on the floor: 4"

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        Else if (c = 1011011) then
                Print "the lift is on the floor: 5"
        Else if (c = 1011111) then
                Print "the lift is on the floor: 6"
        Else if (c = 1110000) then
                Print "the lift is on the floor: 7"
        Else if (c = 1111111) then
                Print "the lift is on the floor: 8"
        Else if (c = 1110011) then
                Print "the lift is on the floor: 9"
        Else
                Print "Invalid Input."
End
```