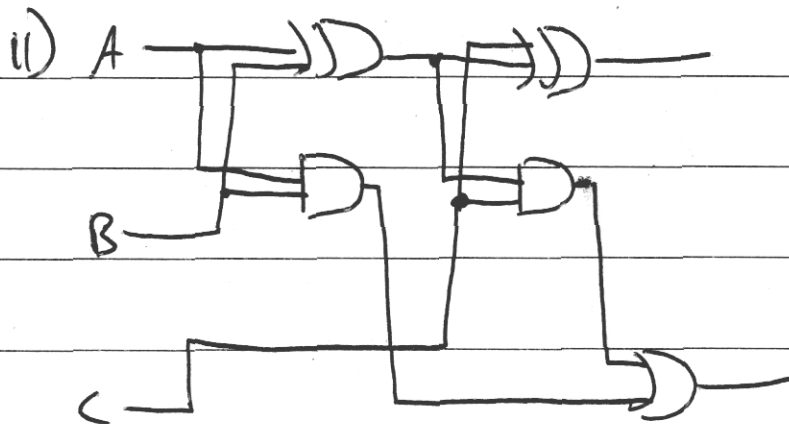


25. 9) i)

Input		Output	
A	B	C	S
1	1	1	0
1	0	0	1
0	1	0	1
0	0	0	0



- One half adder adds 2 bits and leaves a sum and carrier, a full adder involves 2 half adders with the second half adder adding another 2 bits and the carry of the previous half adder.



b) an integer for example 12.25 would look like

1100.01 in floating point form, the difference

between integer representation and floating point

representation of numbers is that floating point is in

binary form while integer is in numeric form.

In a calculator for example, the appropriate

representation of numbers when we type is in integer

but the calculator reads the number as floating

point form which is the appropriate form for computerised

process calculations.



c) ~~1) right~~ right 13mm, up 15mm

~~1) right~~

Direction x = right w/movements (6+5+2) y = up w/movements (7+5+2+1)

ii)  $13 + 15 = 28$

$$\begin{array}{r} 13 \overline{) 28} \\ \underline{26} \\ 2 \end{array}$$

2 remainder 2

iii) Begin