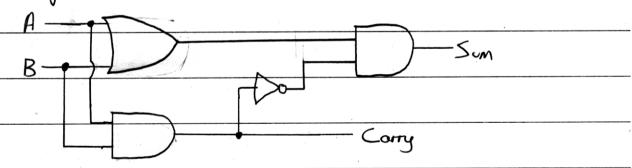


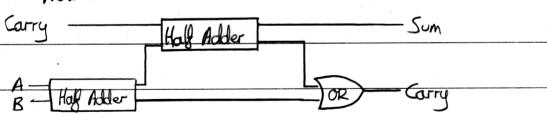
a)(i)]	A	В	A AND B	AOEB	NOT (A AND B)	(AGRB) AND (NOT (AGNOB)		5
	0		0		,		0	0
	0		0	1		1	0	
		0	0	1	1	1	0	
		1	(	1		0		0

(ii) A full-adder consists of two half-adders and on OR gate.

Half-adder:



Ful-Adder:



b) Integers are represented by full numbers (eg 1, 5, 10) and are very limited in use. They only serve to provide simple calculations and for provide approximate values for real



numbers. They can be inaccurate.
Floating point numbers are for more complex. They are represented
with a martisses (eg. 456 1234) and an exponent (eg. 09)
creating a for more accurate representation of a real number.  (456.1234-E09). These provide a for more occurate value flow
integers and can serve to provide infinitely more complex
cakulations.
c)(i) 0/10/100/01 -x movement
This first data bit is telling the car to turn right and go 2+16+32=50 millimetres in Abat, direction.
go 2+16+32=50 millinetres in Alat, direction.
0/10100111 - Y movement.
The car is being instructed to go up a total of
1+2+16+64 = 83 millinetres.
(ii) (SO+128)+(83+128) Start, stop bits N/A
= 178+211
= 389 - 377 (29a13)
= Renainder 12
:. Checksum = 1100



(iii) BEGIN Mare Car (Stringh)
Get String In
Checksum_Stringh
IF Checksom = True THEN
READ & String[n[X]  READ & String[n[Y]
Mae X
Mare Y
ECONO Petronal Stringth'
SE.
ENDWHILE
END Move Car (Stringly)
LIND I DOCE CON LATINGING
Recon Still Floor
BEGIN Stringly-Extract
READ String-In
IF Stringh is correct length THEN
return Stringth
END



BEGN Geckson-Stringln Read Stringln-Geckson
Reap Stringly Checkson
Read String 11- String
그는 그는 그는 그는 그는 그렇게 그는 이렇게 되었다면 되었다. 그렇게 그렇게 그리고 그를 내려왔다면 하는 그를 가지 않는 것이다. 그는 그는 그를 가지 않는 것이다.