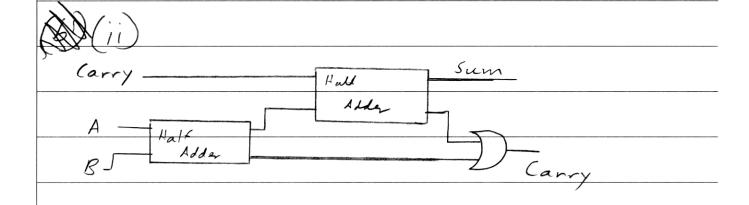


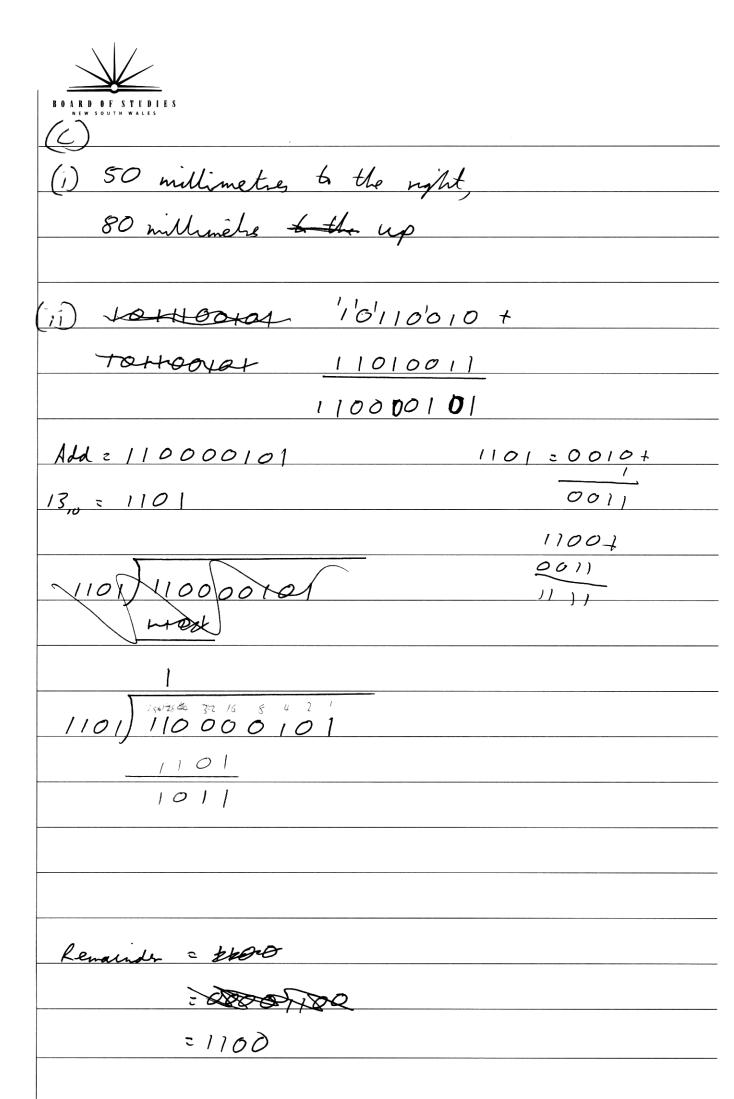
(a)	A	B	<i>C</i>	5	
(i)	0	0	0	0	
	0	l	0	1	
	1	0	0	1	
	1	1	1	0	

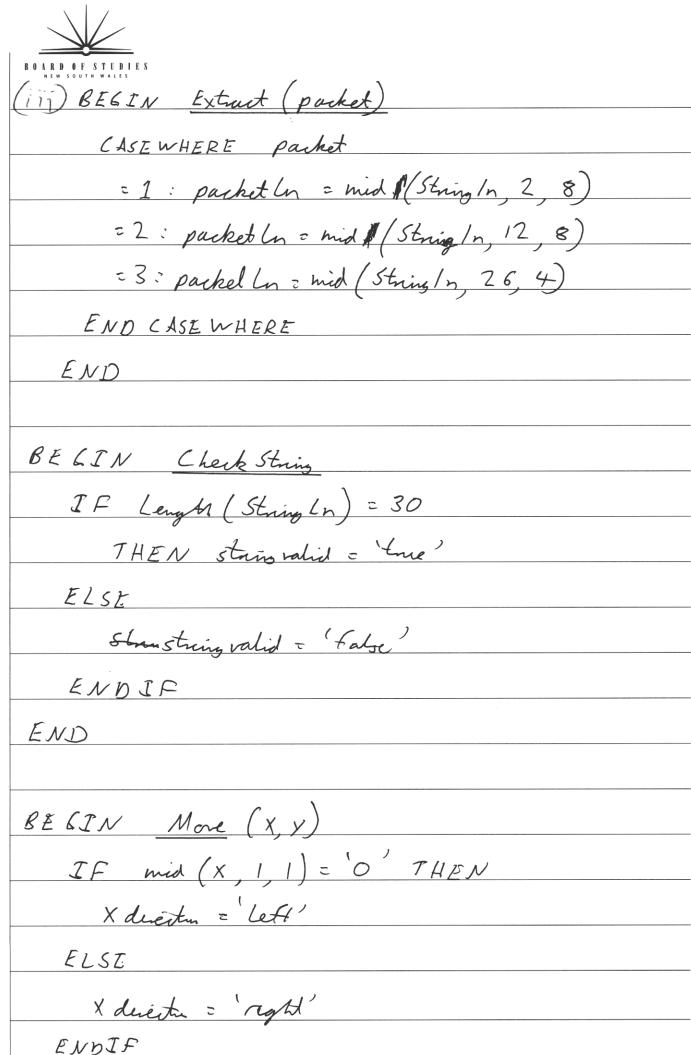


If the half all adders are connected like above, with one the sum of the first a half-adder feeding with the unput of the second and the connected both feeding with an one OR gate, a full all adders would have been created.



(b) Integer number representation occupies one a
set menony amount and only representate whole
positie or negative numbers. The integer data
type cannot store fraction or parts of a whole The
hald be suitable for simple natheration processes
where accuracy is not inputant in or in control
structus such as courtes for loops
Floating paint on the other hand occupies most
menony than integer does it take up either 32 or
64 bit of menony to handle (depending on precision). Though,
to ability to store decind a fraction or parts of numbers
tend it the data type to be used in scientific
processess or nathematical process where accuracy
y reeded







IF mid (y 1,1) = O'THEN
Y desertin = 'down'
ELSE
Yderection = (Up)
EMDIF
More Can X direction mid (X, 2, 7) mm
Mare Can Yduretin mid (Y, Z, 7) mm
END
BEXIN MAIN PROGRAM
Check String
BEGIN Check Sum
result and E
result = mid (X
result = $(X + Y)/13$
IF result = chk
THEN string valid = true
ELSE
string valid = (false)
END



BEGIN MAIN PROGRAM
X = Extract (1)
Y = Extract (2)
chk = Extad (3)
checks um
checkstring
IF string ralid : 'Ene'
THEN Mare (x,y)
END 3F
END MAINPROGRAM.