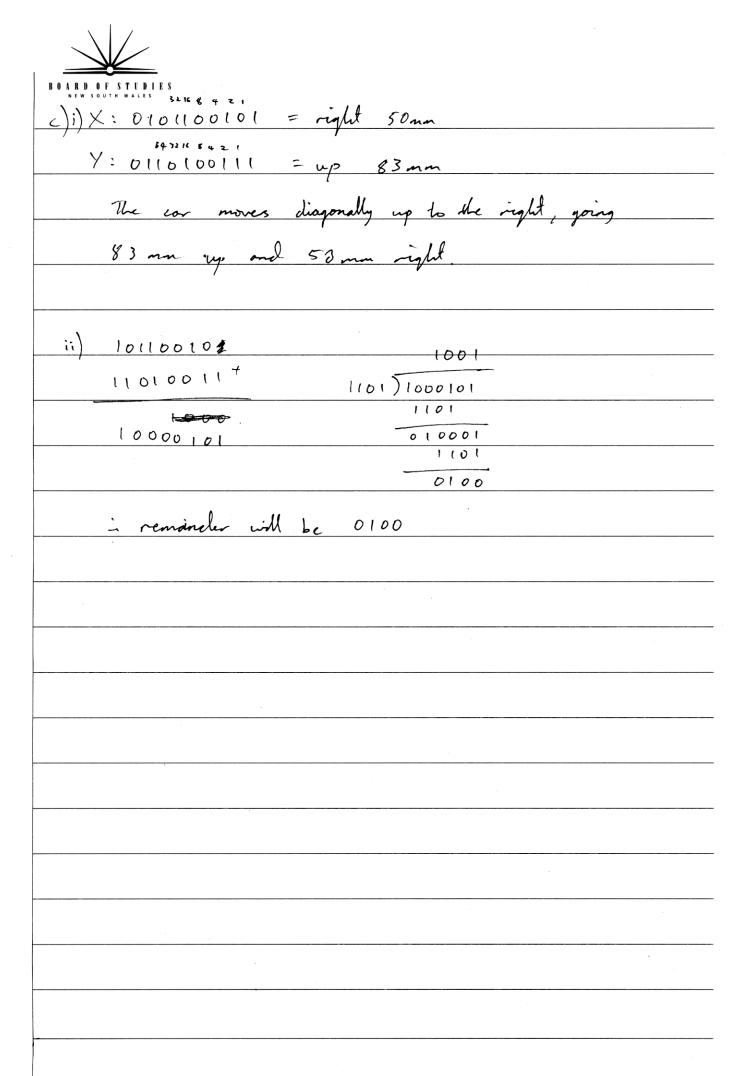


25) a) i) A	r3		& Not A. AND B	AORB	5		
0	D	Ο	1	0	0		
0	(D	1	1	1		
	0	D	1	(2	. /
1	(1	O	1	0		
			· •				



Two half adder can be linked the above to form a full adder.

b) Integer por representation can only use whole number whether regative or positive. An example of this would be storing the number of days is a month. Floating point representation deals with cleaned points and is below bother for more precise calculations, such as storing the temperature for each day or for sweetific calculations etc.

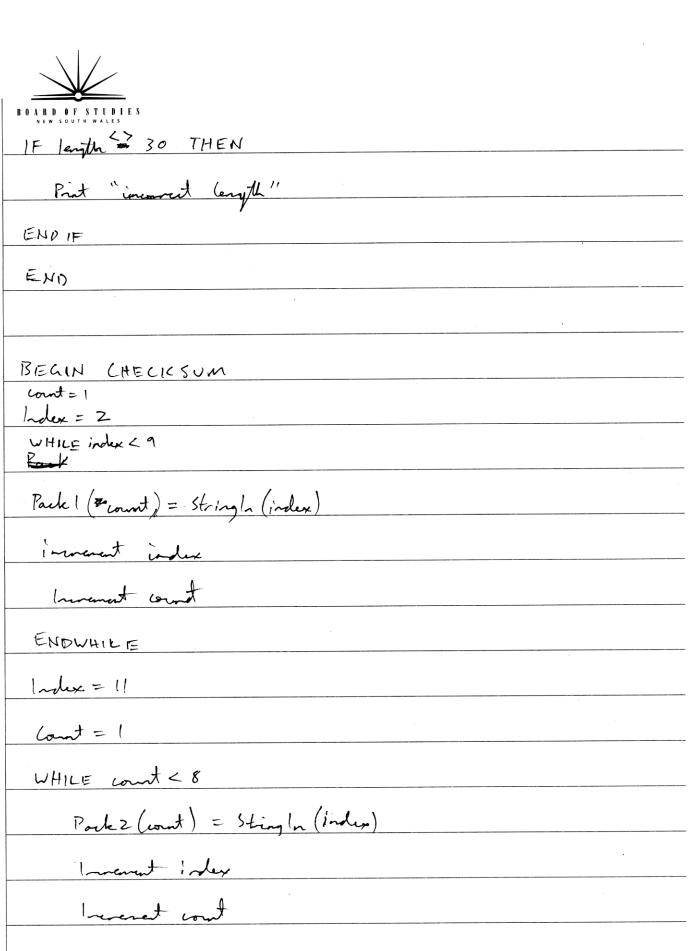




BOARD OF STUDIES NEW SOUTH WALES
iii) BELIN
Set index = 1
Set index = 1
Read Stringla (index)
IF String la (index) = O THEN
WHILE inter
Index = Index + 1
Last de la constant d
1 F String In (indix) = 1 THEN
X direction = right
Else
X direction = left
ENDIF
Set count = 1
WHILE count < > 8
X distance (count) the String (index +1)
Increment index
Invenent court
ENDWHILE
ENDIF
Index = Index + 2
IF index = 0 THEN



BOARD OF STUDIES
Increment index
1F Stringth (index)= 1 THEN
11 String In (index)= (14EN
Ydirection = up
Else
Ydirection = down
ENDIF
Set court = 1
WHILE count < &
Y distance (court) distance) = Stringle (Index + 1)
Incorenat index
because court
ENDWHILE
BNDIF
Move Cor (X direction, X divione, Ydirection, Ydistance)
Exercise
LEND
BELIN CHECKLENATH
Length=0 Index= 1
WHILE not end of Stringla
Incorement length
ENDWHILE



ENDWHILE

iii)

(cont)

Parkt P

Remainder = Mod (Pack 1 / Pack 2)



BOARD OF STEDIES NEW SOUTH WALES (1 / / / 25-29) THEN								
IF renamber & Checker Stringtr (Hade 25-29) titEN Check Rint "Checker un" failed"								
END IF	-co-wi- your							
END								
			·					
~								
		±*						