

0 0 0 1 1 0 0 0 1 1 1

(ii) By adding two more AND gates, one NOT gate and one OR
gate and then linking them together, must be some as a half adder
then a full adder can be constructed.

b) # There are many differences between the representations of

flooling point and vilege. Firstly an integer can only be 5

digit where flooting point can represent move. Also there is a

dearnal point to when representing flooting point. For example for

cautating how many banana's and apples there were integer would

be suitable however to work out the pipe if they are 99 cents and

\$1.10 respectively, flooting point is reasonary.



(ک	(1) The first packet turns left then travels up, down, up, up, down,
	down up down up and ands travels I millimetre up. The
	second packet also turns left and travells up fup down up down
	down up up up revelore going 3 millimetres up.
	(27,147,147,147,147,147,147,147,147,147,14
	(iii) Begin Main Program.
	Get length, checksum,
	Get Check length against Checksum.
	If the is on every vorse or is suff fil
	Else continue on.
	Get novement data from input data.
	Move car according to movement data.
	Stere data in Stringth.
	7
	End Main Program.
	Degin Sub pagram Input Data
	Input data = length + checksum
	End S.b program.