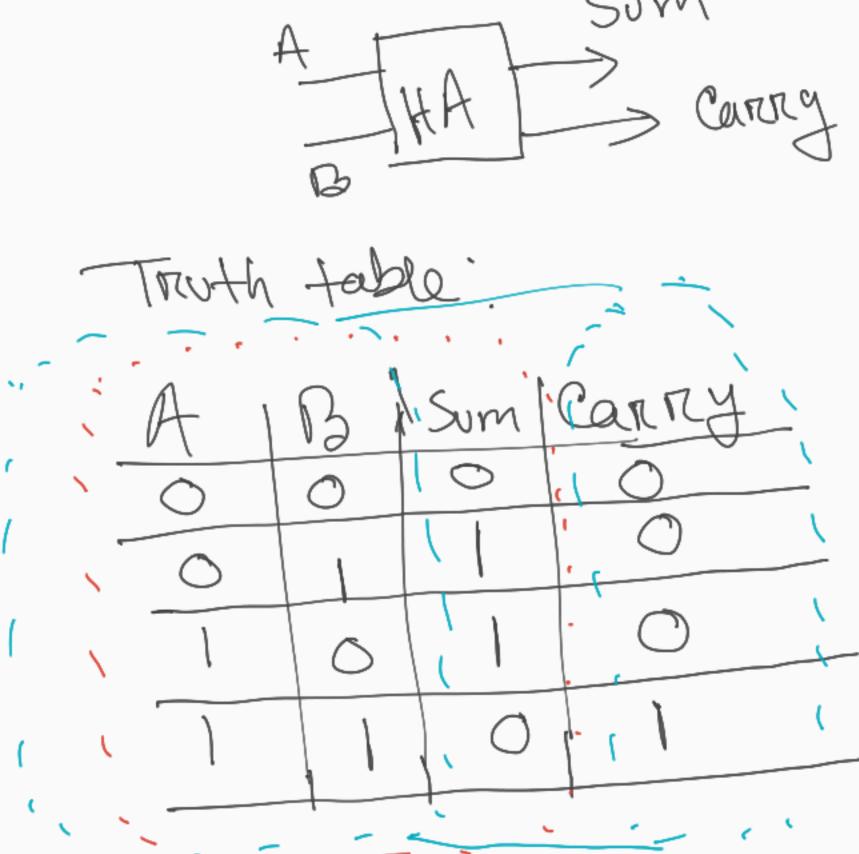
Equation for Sum & Carry. S=AB+AB= AAB



Sketch for HA: byte A, B; void sotup() { PinMode (13, output), Pin Mode (12, OUTPUT), PM Mode (11, INPUT) Pin Mode (10, INPUT);

void loop() A = digita/Read(11) B = digital Read (10), digitalWrite (13, A1B); digitalWrite (12, ASB) Suppose, 5 is the input you have to take the last two bits of this Number and show the nolf adder operation.

8 4 2 1
5 > 10 111011

> 10/10/1 AB 0+4+0+1=6 O AS HA CSO

Full Addor Truth table Carryon Sum

Um ABC+ABC+ABC + ABC

Through K-Map.

AB AB AB AB COLLING TO THE COLUMN TO THE

SIABBEC

.

,

,

,

Carrry out.

P-AB+BC+AC

10R->1 Sketch For FA: 4000 () good 600r byte A,B,C; A = digital Wriete (7) void setup () { B: digetallirrete (8), c = digital Wrute (9), Pin Mode (13, OUTPUT); PINMode (12, OUTPUT) digitalwrute (12, AAB 10) pin Mode (7, INPUT), digital Wreite (13, (A&B)). PINMode (8, INPUT); (B&c) (A&c) pin Mode (o) INPUT). ?

Suppose, 6 is the number you have. Now, you have to false the last 3 - bits of this number as input and show the Full adder operation

6= [0] 1] 0

SO CA CSI