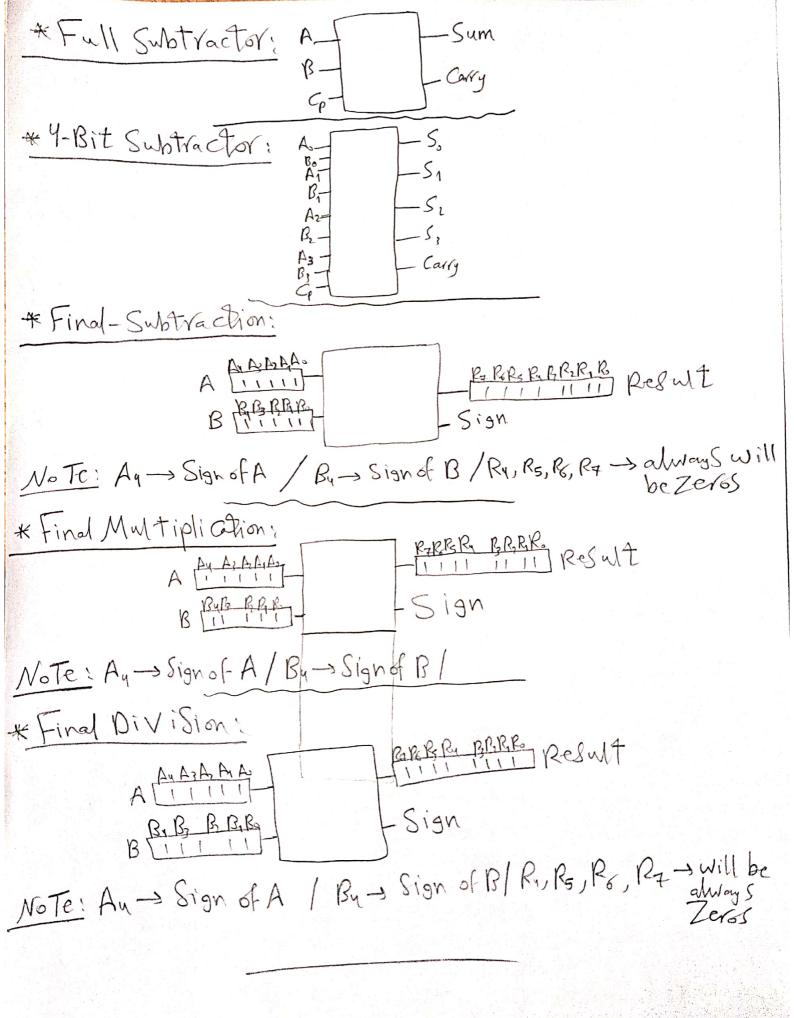
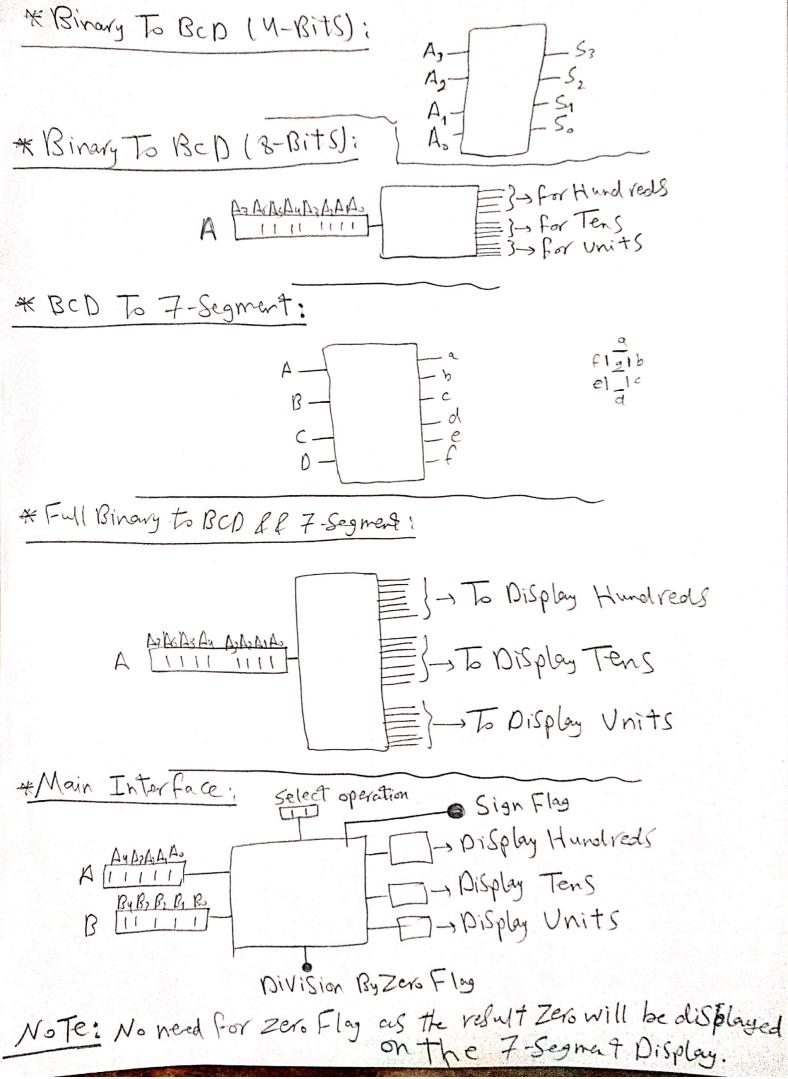
Name: Karim Mahmoud Kamal Mohamed ID: 9203076 Sec : 2 B.N: 10 Work done in the project: I done all the Project alone. (Block Diagram) _L -refers to Large (A.>B.) * 1-Bit Comparators Bo --E - Vefers to Equal (A = B) -S - refers to Small (A < B) _L → refers to Large (A > B) 44-Bit Comparator: — E → N N Equal (A=B) _S → 11 11 Smill (A < B) - L refers to Large (A>B) +5-Bit Comporator: LE - " Equal (A=B) -5 - " Small (A < B) * Half Adder: A. B. -Sum *Firal_Adder: - Carry -Sum *Full Adder: A. - Corry A LILLI * 4-Bit Adder: As-ROPOROPORER POR -50 B BSBUBBBBBB -Sign Result AT-B1- $-S_2$ NoTe: As -> Sign of A 12-Bo - Sign of B B1-- Carry Rs, Re, R7 - always will be Zevos

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The Coming pages explains everything in the project [Important]

Select operation

10 -> Multiplication 11->DiViSion 01->Subtraction 00-> Addition

A. 0 0 1	B.	00000	50 100	E37001	[= AB; == AB; == (1,+5);
1	11	10	0	1	0 (3.3)

L=L3+E3 L2+E5 E1+E3 E2 E1 L. S=S3+E3 S3+E3 E3 E1 E3 E1 E3 E1 E3. E=E4 E2 E1 E.

Compavator

