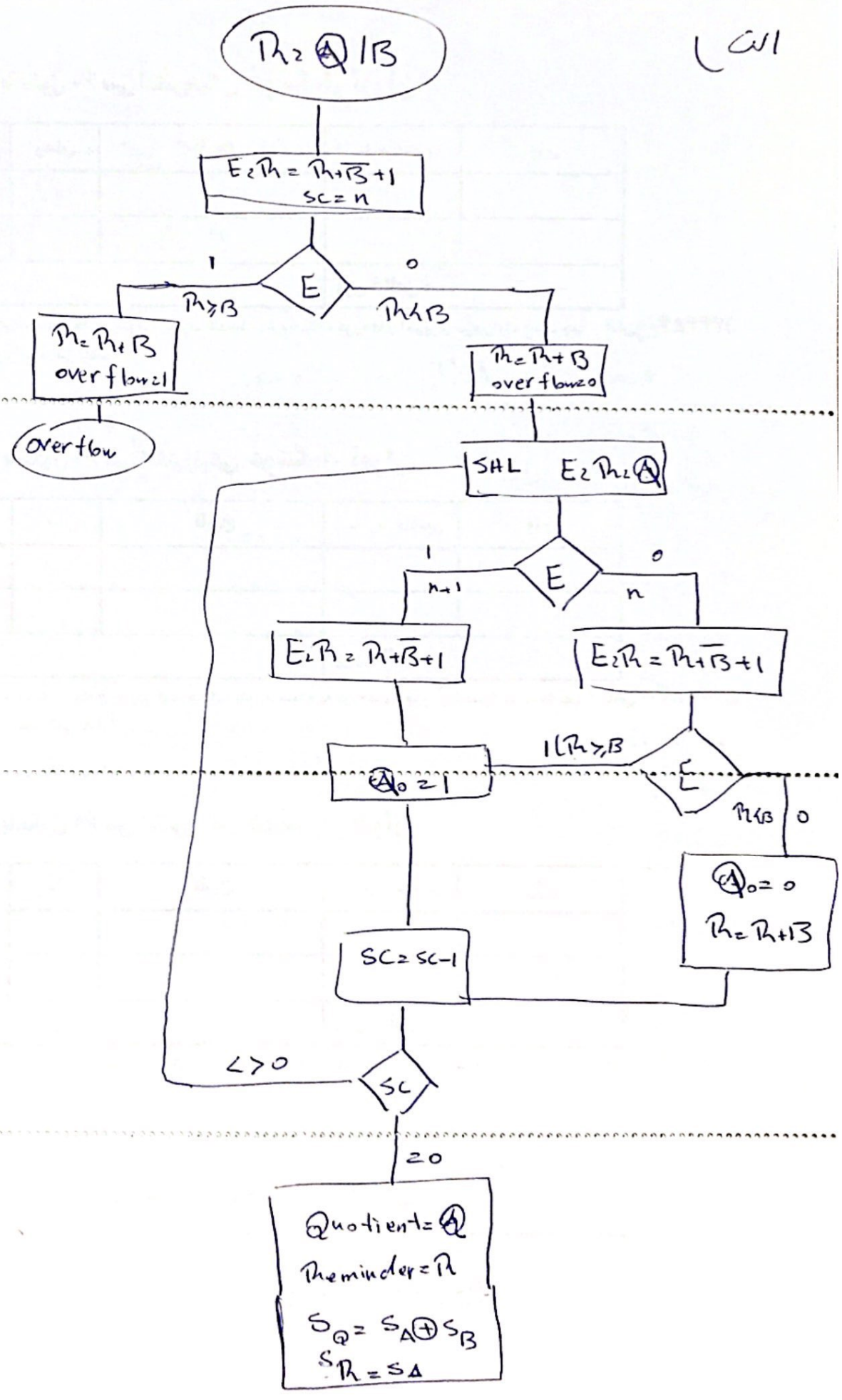
(Q)



Scanned with CamScanner

(4)

$-fg = -72 \rightarrow S_A A = 1 \quad 0100 \quad 1000$

$+de = +15 \rightarrow S_B B = 0 \quad 0000 \quad 1111$

72	15
12	4

$\bar{B}+1 = 0001 \qquad n = 4$

SC	E	A	Q	B	op
4	0	0100	1000	1111	init
	0	0101	1000		$A+\bar{B}+1$
	1	0100	1000		overflow = 0
	0	1001	000-		SHL
	0	1010	000-		$A+\bar{B}+1$
	0	1001	0000		restore
3	1	0010	000-		SHL
	1	0011	000-		$A+\bar{B}+1$
	1	0011	0001		$Q_0 = 1$
2	0	0110	001-		SHL
	0	0111	001-		$A+\bar{B}+1$
	1	0110	0010		restore
1	0	1100	010-		SHL
	0	1101	010-		$A+\bar{B}+1$
	1	1100	0100		restore
0					

=> ~~Q = 1100 01~~

$Q = 0100 \qquad S_Q = 1 \oplus 0 = 1 \rightarrow Q = -4$ ✓

$A = 1100 \qquad S_A = S_A = 1 \rightarrow A = -12$ ✓

$Q = 1 \quad 0100$

$A = 1 \quad 1100$