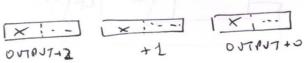
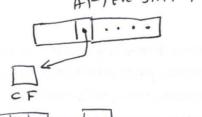
IMPUT_BIM DB?
OUTPUT_BCD DB 3 DUP (?)

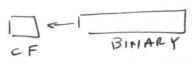


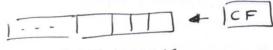
POSITION 5 (I CAN SET CARRY FLAG EQUAL TO THAT BIT & AND THEN DO A ROTATE THROUGH CARRY



ACTUAL "SITIFT"

FOR RIGHTMOST FIELD I PUT THE BIT





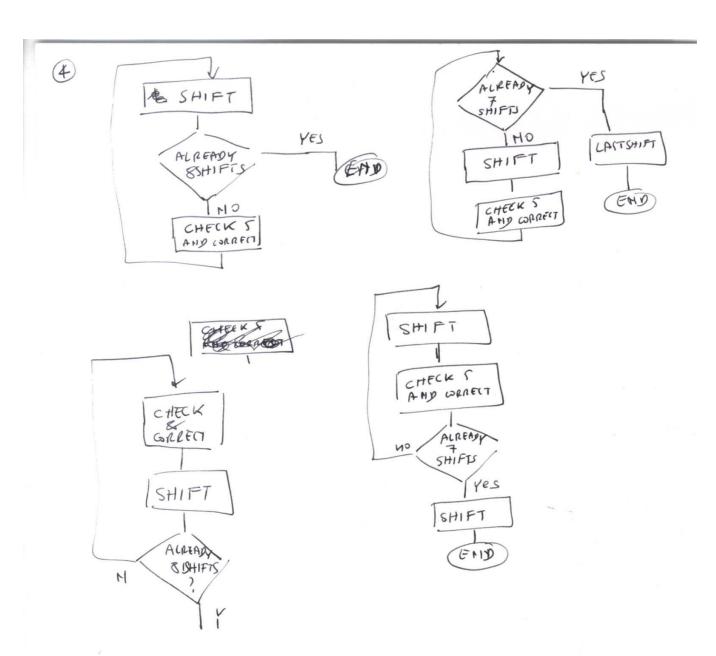
FIRST BLOCK

BASICALLY A SHIFT IS A ROTATE THROUGH
CARRY PLUS A COPY OF 5 TH POSITION BIT
INTO CF FOR NEXT (RIGHT TO LEFT) BLOCK

MUMBER-SHIFTS EQU 8 (2) MOV AL, INPUT_ BIN ; DL: BX XOR DLIDL XOR BX, BX CL COUNTING # OF CL, CL XOR SHIFTS CL 1116 NEXT_SHIFT : IF ALREADY DONE CL, NUMBER_SHIFTS CMP EXIT 8 SHIFTS TO END-CONVERSION JE EMP-LO NVERSION ALMOST PROCESS 9 OF CONVERTINY SHL AL, 1 EXTRACTING NEXT MSB FROM BINARY (IN CF) "SHIFT" FIRST BLOCK RCL BL, 1 NFFD TO CHECK TEST BL . 00010000B BIT IN POSITION 5 AND COPY IN CF SET_CF_TO- P-A IF IAM HERE IT IS BECAUSE BIT IS SETS CF=1 1 AND I HAVE TO SET RCL BH, 1 NEXT_BLOCK_A1 JMP CF TO SET-CF-70-10-A: CLC HAVE HERF OF OK HETT-SOPIN- A: RCL BH, 1 FOR BLOCK #2 (TO DO SAME STUFF) NEXT_BLOCK_A1: TEST BH, 00010000B JZ SFT_CF_TO_\$-B STC JMP NEXT_BLOCK-B SFT_CF_TO-\$-B: CLC THIS IS LAST NETT-BLOCK-B: RCL DL, 1 NO NEED BLOCK TO PROPAGATE CARRY FURTHER

; enterny clock port (3) AND BL, 00001111B; ZEROING HIGHER PART CONTRACTOR OF OF BL (LOWER BLOCK)) TESTING WITH 5 CMP BL, 5) JUMP IF LESS THAN JXX LESS - 5 - A 5) I AM HERE BECAUSE ADD BL, 3 LESS -5-A: AND BH, 00001111 B ; HEXT BLOCK , agein CMP BH,5 JXX LESS - 5 - B ; JUNP IF LESS THANS ADD BH, 3 ; CORRECTION LESS-S-B: AMB BH, 0000 1111B; lost block ; asein CMP DE, T JUMP / F LESS THANS JXX LESS-5-C CORRECTION ADD DL, 3 LESS - S - C : JMP HEAT - SHIFT ; ENDED CORRECTION ; I STILL MISS THE EMP - COMVERSION - ALMOST : LAST SHIFT BECAUSE I INCREMENT CL BFFORF SHIFTING here the shift done copy result into MOV BUTPUT-BCD, BL OUTPUT MOU OUTPUT_BCD+1, BH

MON ONTPUT_BCD +2, DL



(?)
(S) INPUT_BIN DB (?)
(OUTPUT_BCD DB 2 DUP (?) fached for. difficult is conjune ad for packed for shift is easy m BX AL SHELF TOPARCO MSB IN CF SHL AL, 1 SHIFT CF IN LSB OF BY RCL BX, 1 FIRST BLOCK (LOW BL) OMPARE AND WARFLY , make a copy into Dit MOV JALPH, BL PART AND CH, 00001111B; reset Lijhe pent. CMP DH, 5 SXXX NO CORR-1; if less = the 5 , put a 3 into lower MOV DH, 3 to want love BL; now test higher : MOV DH, BL NO_CORR-1 AND DH, 11110000B; extracted higher CMP DH, 5 + 2 4 JXXX- NOCORP_2; if less no ADD DL, 3+24; correction, i'e a ; correction perfored; now not block ADD BL, DL NOCORR-2: MOU DH, BH XOR \$H,00001111B CMP DH, 5 JXXX MOCORR_3 correction performed_ ADD BH, 3 NOCORR 3