INTERFACING WITH 8255

PA=40H PB=42 PC=44 CW=46;

PA as output port PR input port

0400:mov AL,82H

0402:OUT 46H,AL

0404:RPT:CALL 0421

0407:Mov BL,AL

0409:Mov AX,0201

040C:INT 6

040E:Mov AL,BL

0410:Mov AH, 05

0412:INT 6

0414:IMP RPT

0421:KBD:Mov

0423:KBD1:Mov AL,01

0425:ROL AL,Cl

0427:ROR AL,1

0429:Out 40H,AL

042B:IN AL,42H

042D:AND AL,ofH

042F:Cmp AL,100

0431:JNZ GOT

0433:LOOP KBD1

043J:JMP KBD

0437:GOT:CMP AL,01

0439:JNZ CMP

043B:Mov BC,00

043F:JMP BACK

0441:emp1:CMP AL,02

0443:JNZ CMP2

0445:Mov BL,01

0447:JMP BACK  
0449:emp2:CMP AL,04

044B:JNZ emp3

044D:Mov BL,02

044F:JMP BACK

0451:emp3:cmp AL,08

0453:JNZ ICBD

0455:Mov BL,03

0457:Back:mov AL,04

0459:DEC CL  
045B:MoL Cl

045D:RET