









LDA #7E

Q5

INCA

Q6

JMP 22

Q5

FO  
03  
08  
E1  
10  
24  
FA  
33  
22

—

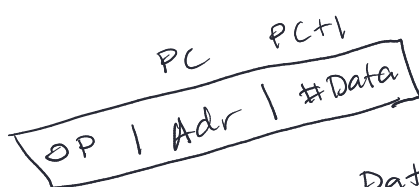
—





38  
10  
24  
F9  
21  
FA

23=38  
24=10  
25=24  
26=F9  
27=21  
28=FA



1.  $Adr \rightarrow TA; PC++$
2.  $Data \rightarrow M(TA); PC++$

$Data \rightarrow M(Adr)$

Q4 ( $Q_4 \cdot I_{DF}$ )  $M(PC) \rightarrow TA; PC+1 \rightarrow PC, LD_{TA}; INC_{PC}; MR,$   
 Q5 ( $Q_5 \cdot I_{DF}$ )  $M(PC) \rightarrow R; PC+1 \rightarrow PC, LD_R; INC_{PC}; MR; f3; f0,$   
 Q6 ( $Q_6 \cdot I_{DF}$ )  $R \rightarrow M(TA) \quad OE_R; g_{14}; MW, NF$



05  
07  
EF  
20  
02  
21  
21

20

05  
07  
EF  
20  
02  
21  
21

20



OP | Adr | Data

if  $A - \#Data == 0$ :  
JMP Adr

Q4  $(Q4 \cdot I_{EF})$   $M(PC) \xrightarrow{M(Adr)} R; PC+1 \rightarrow PC, LD_R, INC_{PC}, f_3, f_0, MR,$   
 $(\#Data)$   
 Q5  $(Q5 \cdot I_{EF})$   $M(PC) \rightarrow T; PC+1 \rightarrow PC, MR, LD_T, INC_{PC},$   
 Q6  $(Q6 \cdot I_{EF})$   $A - T; ALU(Z) \rightarrow CC$   $f_3, f_2, OE_A, g_0, LD_{CC},$   
 $g_1, g_8, g_5, g_4, g_3, g_2$   
 Q7  $(Q7 \cdot I_{EF})$  if  $(Z = 1)$   $(OE_R, LD_{sp}) \cdot Z, NF$   
 $M(R) \rightarrow PC$

