









LDA #7E

Q5

INCA

Q6

JMP 22

Q5

FO  
03  
08  
E1  
10  
24  
FA  
33  
22

—

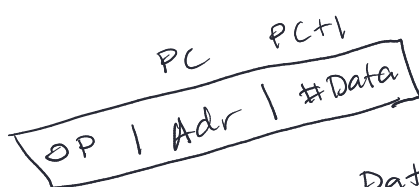
—





38  
10  
24  
F9  
21  
F0

23=38  
24=10  
25=24  
26=F9  
27=21  
28=F0



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  $(Q_6 \cdot I_{DF})$   $R \rightarrow M(TA)$   $OE_R; g_{14}; MW, NF$



05  
07  
EF  
20  
02  
21  
21

20

05  
07  
EF  
20  
02  
21  
21

20



Op | Adr | Data

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

