

LDA #7E

Q5

INCA

Q6

JMP 22

Q5

FO
03
08
E1
10
24
FA
33
22

-

-

38

10

24

F9

21

23

$23 = 38$

$24 = 10$

$25 = 24$

$26 = 20$

$27 = 21$

$28 = 23$



Q4 $(Q_4 \cdot I_{DF})$ $M(PC) \rightarrow TA; PC + I \rightarrow PC, LD_{TA}; INC_{PC}; MR,$
Q5 $(Q5 \cdot F_{DF})$ $M(PC) \rightarrow R; PC + I \rightarrow PC, LD_R; INC_{PC}; MR; f2,$
Q6 $(Q6 \cdot I_{DF})$ $R \rightarrow M(TA) \quad OE_R; g_{14} ; MW,$

05

07

EF

20

02

21

21

20

05

07

EF

20

02

21

21

20

OP | Adr | Data

- Q4 $(Q_4 \cdot I_{EF})$ $M(PC) \xrightarrow{\text{M(Adr)}} R ; PC+1 \xrightarrow{\text{(# Data)}} PC, LD_R; INC_{PC}; f_3; f_0; MR,$
- Q5 $(Q_5 \cdot I_{EF})$ $M(PC) \xrightarrow{\text{M(Adr)}} T ; PC+1 \xrightarrow{\text{(# Data)}} PC, MR; LD_T; INC_{PC},$
- Q6 $(Q_6 \cdot I_{EF})$ $A-T; ALU(z) \xrightarrow{\text{CC}} f_3; f_2; OE_A; g_0; LD_{CC}, g_9; g_8; g_5; g_4; g_3; g_2$
- Q7 $(Q_7 \cdot I_{EF})$ $\begin{cases} M(R) \xrightarrow{\text{f(z=1)}} PC \\ (OE_R; LD_{SP}) \cdot z \end{cases}$

