FLOWCHART Activity #2-3

START

INITIALIZE LCD_pos = 80H

G — E

GET input from keypad, DATA

is DATA == 0 ? —No→ is DATA == 1 ? —No→ is DATA == 2 ? —No→ is DATA == 4 ? —No→ is DATA == 5 ? → B

Yes ↓   Yes ↓   Yes ↓   Yes ↓   Yes ↓

DISPLAY 1 in LCD   DISPLAY 1 in LCD   DISPLAY 3 in LCD   DISPLAY 4 in LCD   DISPLAY 5 in LCD

A

B

is DATA == 6 ? —No→ is DATA == 8 ? —No→ is DATA == 9 ? —No→ is DATA == 0Ah ? —No→ is DATA == 0Ch ? → D

Yes ↓   Yes ↓   Yes ↓   Yes ↓   Yes ↓

DISPLAY 6 in LCD   DISPLAY 7 in LCD   DISPLAY 8 in LCD   DISPLAY 9 in LCD   DISPLAY * in LCD

C

D

is DATA == 0Dh ? —No→ is DATA == 0Eh ? —No→ **E**

Yes ↓   Yes ↓

DISPLAY 0 in LCD   DISPLAY # in LCD

→ **F** ←

C →⊗← **F**

↓

is LCD_pos == 93h ? —No→ is LCD_pos == D3h ? —No→ is LCD_pos == A7h ? —No→ is LCD_pos == E8h ?

Yes ↓   Yes ↓   Yes ↓   Yes ↓

LCD_pos = BFh   LCD_pos = 93h   LCD_pos = D3h   LCD_pos = 7Fh

INCREMENT LCD_pos

↓

G