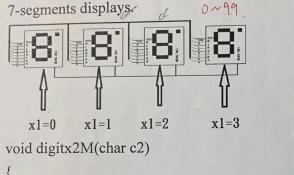
(a) = 0xf7. (b) = 0xfd. 2. (20%) Based on the principle of scanning output for four 7-segment displays, we can use a scanline array to select a 7-segment display in a scanning manner. Please fill out (a) and (b) in the scanline array.

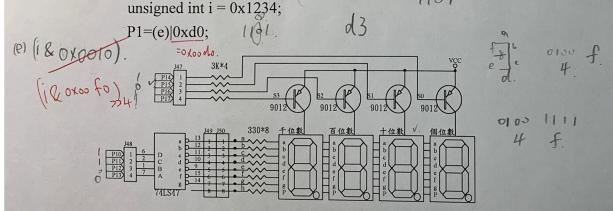
[]={(a), 0xfb, (a), 0xfe}

3. (20%) Assume that digitx1(char x1, char c1) can show 1-digit c1 in the corresponding 7-segments display based on x1. Please fill out (c) and (d) for digitx2M(char c2) to display 2-digit c2 in the tens and hundreds digits of the four



(c); digital (1, C2) digital (1, C2/200). (d); digital (2, C2) digital (2, C2/200).

4. (20%) Based on the following circuit, fill out (e) to output the tens digit (e.g., 3) of i to P1. $(1 & 0 \times 10^{-3}) \times (1 \times 10^{-3}) \times (1$



5. (20%) If we detect whether button 7 is pressed, what are the value of (R0,R1,R2,R3) and (C0,C1,C2,C3) based on the following circuit.

