

Question 7:

Pseudocode:

1. START
2. ~~OR~~ SET num as integer.
3. PRINT "Enter the 7-digit number."
4. INPUT num
5. IF num = 111110 THEN
6. PRINT "0".

7. ELSEIF num = 0110000 THEN

8. PRINT "1"

9. ELSEIF num = 1101101 THEN

10. PRINT "2"

11. ELSEIF num = 1111001 THEN

12. PRINT "3"

13. ELSEIF num = 000110011 THEN

14. PRINT "4"

15. ELSEIF num = 10110011 THEN

16. PRINT "5"

17. ELSEIF num = 10111011 THEN

18. PRINT "6"

19. ELSEIF num = 1110000 THEN

20. PRINT "7"

21. ELSEIF num = 1111111 THEN

22. PRINT "8"

23. ELSEIF num = 1110011 THEN

24. PRINT "9"

25. ELSE

26. PRINT "E"

27. END IF

28. END

| INPUT | PROCESS | OUTPUT |
|-------|-----------------------------------|--------|
| num | If num = 111110 then Print '0' | 0 |
| | If num = 0110000 then Print '1' | 1 |
| | If num = 1101101 then print '2' | 2 |
| | If num = 1111001 then print '3' | 3 |
| | If num = 000110011 then print '4' | 4 |
| | If num = 10110011 then print '5' | 5 |
| | If num = 10111011 then print '6' | 6 |
| | If num = 1110000 then print '7' | 7 |
| | If num = 1111111 then print '8' | 8 |
| | If num = 1110011 then print '9' | 9 |
| | Else print 'E' | E |

