

EETS 8301 Test #1 9/29/05 ANSWERS

1, 2.  $v$   
 1111111111|0111101000|1111|0101111111|11111111|0110001111|0100010111|1111111111111111

3. 1010001

12. c

4.  $\begin{array}{r} \underline{1011011} \\ 10011)10101010000 \end{array}$

13. By the functions it is able to perform.

$\begin{array}{r} \underline{10011} \\ 01100 \\ \underline{00000} \\ 11001 \\ \underline{10011} \\ 10100 \\ \underline{10011} \\ 01110 \\ \underline{00000} \\ 11100 \\ \underline{10011} \\ 11110 \\ \underline{10011} \end{array}$

14. a

15. d

16. c

17. e

18. b

19. b

20. d

21. DD

22. KK

23. Z

24. GG

25. T

26. C

27. F

28. S

29. \$

30. H

31. N

32. FF

33. K

34. JJ

35. M

36. R

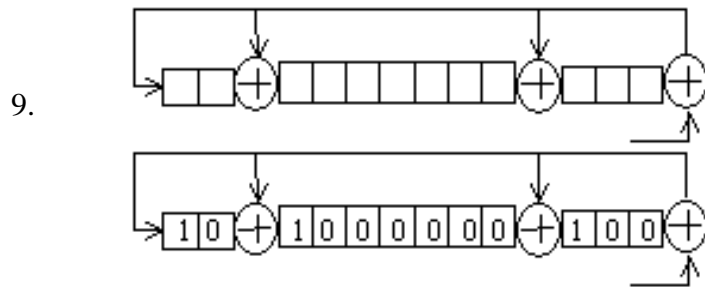
Answer: 1101

5. 4

6. 10101011101

7.  $X^4+X^1+1$  or  $1X^4+0X^3+0X^2+1X^1+1X^0$

8.



10. X: Y,I4, 7 P

Y: Y, I7, 5 | Y,I0,5 F

11. X: Y, I3, 2

X, RR, 4 F\*

X, RR, 5 F\*

X, I2, 3 | X, I3, 4 P

X, I4, 4 P

\* Double Underline