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# What's the Next Binary Number

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For each binary number below, identify the next binary number. Example: for the binary number 1010, the next binary number would be 1011.

#1	10100001	<u>10100010</u>	#26	100011	_____
#2	110010	<u>110011</u>	#27	10110010	_____
#3	11110111	_____	#28	10001111	_____
#4	11001001	_____	#29	1111111	_____
#5	1110001	_____	#30	11001101	_____
#6	11010	_____	#31	111	_____
#7	10000000	_____	#32	1001010	_____
#8	1001001	_____	#33	1000100	_____
#9	1000011	_____	#34	10110000	_____
#10	1111100	_____	#35	10010100	_____
#11	10000101	_____	#36	11011	_____
#12	101110	_____	#37	1110000	_____
#13	1011	_____	#38	11101101	_____
#14	11000000	_____	#39	101100	_____
#15	10101001	_____	#40	11101011	_____
#16	11110010	_____	#41	110011	_____
#17	11111100	_____	#42	10111110	_____
#18	11101	_____	#43	11111101	_____
#19	1011001	_____	#44	10011101	_____
#20	10101111	_____	#45	11011010	_____
#21	1101111	_____	#46	1100	_____
#22	1100010	_____	#47	11010101	_____
#23	10001100	_____	#48	110001	_____
#24	100101	_____	#49	1001011	_____
#25	11000100	_____	#50	1100001	_____

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## Answers

#1	10100001	<u>10100010</u>	#26	100011	<u>100100</u>
#2	110010	<u>110011</u>	#27	10110010	<u>10110011</u>
#3	11110111	<u>11111000</u>	#28	10001111	<u>10010000</u>
#4	11001001	<u>11001010</u>	#29	1111111	<u>10000000</u>
#5	1110001	<u>1110010</u>	#30	11001101	<u>11001110</u>
#6	11010	<u>11011</u>	#31	111	<u>1000</u>
#7	10000000	<u>10000001</u>	#32	1001010	<u>1001011</u>
#8	1001001	<u>1001010</u>	#33	1000100	<u>1000101</u>
#9	1000011	<u>1000100</u>	#34	10110000	<u>10110001</u>
#10	1111100	<u>1111101</u>	#35	10010100	<u>10010101</u>
#11	10000101	<u>10000110</u>	#36	11011	<u>11100</u>
#12	101110	<u>101111</u>	#37	1110000	<u>1110001</u>
#13	1011	<u>1100</u>	#38	11101101	<u>11101110</u>
#14	11000000	<u>11000001</u>	#39	101100	<u>101101</u>
#15	10101001	<u>10101010</u>	#40	11101011	<u>11101100</u>
#16	11110010	<u>11110011</u>	#41	110011	<u>110100</u>
#17	11111100	<u>11111101</u>	#42	10111110	<u>10111111</u>
#18	11101	<u>11110</u>	#43	11111101	<u>11111110</u>
#19	1011001	<u>1011010</u>	#44	10011101	<u>10011110</u>
#20	10101111	<u>10110000</u>	#45	11011010	<u>11011011</u>
#21	1101111	<u>1110000</u>	#46	1100	<u>1101</u>
#22	1100010	<u>1100011</u>	#47	11010101	<u>11010110</u>
#23	10001100	<u>10001101</u>	#48	110001	<u>110010</u>
#24	100101	<u>100110</u>	#49	1001011	<u>1001100</u>
#25	11000100	<u>11000101</u>	#50	1100001	<u>1100010</u>