

N=50, k=2

w=7

1101010111
11100001001011

w=8

111001101011
11101000010001011

w=9

1110110100111
111010000100010111

w=10

1111011010111
111010001001001111

w=11

111010110110111
1111010010001010111

w=12

1110101101101111
1111010001001000110111

w=13

1111011011101111
1111011000010100110111

w=14

11110110011010101111
11110101000001000010011001111

w=15

11110110011101011111
111011010000110010010101111

w=16

111011011011101011111
11101101100001010010001110111

w=17

11111011011100110101111
11111100010100100110010101111

w=18

111101110011011010111111
111101010001001101000110011111

w=19

111101101110101111011111
111101010011010001100011011111

w=20

111110111011110110111111
11110110100011000101001101011111

N=50, k=4

w=7

1101010111
1110001001011
1101001000100011
110010001000001011

w=8

11011001111
11100010101011
11010010000100111
110101000000100001011

w=9

110110101111
1110100010010111
11101001000010001011
11100010001000010001011

w=10

111001011010111
110111000111011
1110101000100100111
111010010000000100010111

w=11

111011011010111
11101001010001001111
11010100011100011011
1111001000000100100010111

w=12

111101101110111
1111000101011001111
11101001001000100101111
11101001000010100010100111

w=13

1111011101101111
11110100101011001111
1110101001100001110111
11110010100010001000101111

w=14

11110110111011111
111011100010100100101111
1111000101100010001000101111
1110101001001000100100010100111

w=15

111111011011101111
1110111000011010010110111
11110010010100100010100011111
11110001010001000100001100101111

w=16

11111101110101101111
11110101100110010001011111
11101100100001010100111001111
11110100001100001001001001110111

w=17

111110111011101101111
1111010010110010100011101111
1111010111000000110010010110111
1111100100001100010010101000101111

w=18

1111110111101011101111
1110110100110101001100111111
1110111010000111001001011100111
1111100101001100000100010100111111

w=19

1111011101110111101111
11111101101001110001010110111
11110101011001000101100011011111
11110110001000101101000101100101111

w=20

11111101111101111011111
11110110011101000110110111111
11110111010010011011000101011111
11111100101011010010000110010101111

N=50, k=8

w=7

110110111
1110001001011
101010100000111
1110010000100011
11010000001010011
11001001000100011
11000010010001011
10100101000001011

w=8

1110110111
11100010010111
1100101000101011
10110010010001011
110100001001000111
110001010000100111
110101000010010011
111001000100001101

w=9

11110110111
1011000101001111
1101001000010101011
11010100010100100011
111100001000100010101
110010010000010100111
110001100100000011011
110010001010001001011

w=10

111011101111
11110001010010111
11101000100011000111
110101001001000101011
1101100100010100001101
1101100011000010010011
1101011000001100100101
1110000100100001010111

w=11

1111011101111
111101010000011001011
1010101100001001000010111
111001000100100010100100101
1110100001010000000100110011
11001001000001010000010010111
10100110000100010010000001111
11010000110001000010001010011

w=12

11111011101111
1110010110000100110111
11110001001000100001101011
1101000110100000101001100011
11010010100010000100010011101
101011000100010100010000011011
111100100001000010100001010011
111001000000101000100100001111

w=13

111101110111111
11101011000100100101111
111100001010001011000010111
11011010010000100001010100111
111010001000011000101001010011
1101010001000100101000001001111
1110100100010000100100011001011
1100110000101000100000110110011

w=14

1111101111011111
11101101010100001101111
111100001100010010101011011
11101100100010011000010010111
111100010011000011000010101011
110011100010010000100110101011
111010010000101000110100010111
111010010010010100001001100111

w=15

11111011110111111
111011100100100101011111
1111010010001000110100110111
111010010001001100011001001111
1111001001010001010001000111011
1110101000101100000100111000111
1110100111000010011000101001011
1100111000010100101010000101111

w=16

11111011101101011111
11110101001110001011001111
11111010010001101000010110111
1101100111000001001100111001011
11101001011001000100101000110111
11011010000110100010100010011111
11101011001000001010010101100111
11100110010101100001000101010111

w=17

1111011101110110111111
1111011010001100101010101111
11110010011000010100101101010111
1101010011100000011001100010110111
11011011000010101001000011000110111
11100111001001001000011001001010111
11101010000110011010000001111001011
11111001010001100000101010001001111

w=18

11111110111110111111
111110100110011010011101111
1110111010100100010101100011111
111110000101101100000110101001111
1110101110010001100010010010110111
1101101000111000010010111001010111
1101101011000010101100001001101111
1111001100010100011101000110010111

w=19

1111111011111011101111
1111011001110100101010111111
1110111010011100010011001011111
111010100101101010100011100011111
1111011000100010110111000010110111
1111101010011001011000010101100111
1111000111100001001001011010111011
1101100110101100000011100110101111

w=20

111111011111011101111111
11110101011011001100111101111
11110111100010100101110010110111
1111011100010000101100111011001111
11101101001010111000011010010110111
11111000110010111010000011101010111
11110011011000010111010100001110111
11101100101111000010100100110101111

N=50, k=16

w=7

110101111
11100000110101
10110010000100101
11100001001000101
110010100000010011
110001000001001101
110100000100010011
101010000001100011
1100010010000000111
1001001000100001011
1100100010000011001
1100100001100000101
1010000010100100011
1101001000001010001
1010000100001010011
1010000100010001101

w=8

1110110111
111010001000111
101001100010001011
101010000001100111
1100100100010010101
1011000001001010011
1110010000010101001
1101000010010000111
11000100001101000101
10110000100100100011
11000100010000101011
11001001000000110101
11010000110000010011
10010100001010001011
10100011000010010011
11000010101000001011

w=9

1111011111
110110100001111
111000100101001011
110101000110000111
1011100000100110011
1110001010000101011
1101100010100010101
1110010000110010101
11001001001010001101
11001010010000100111
10101001000100011011
11010011000010001011
11100100100010100011
11010000110000010111
10101000010011010011
11000110010001001011

w=10

111101101111
11011100100001111
1101100100011001011
1111000010011010101
11100010110000011011
10110011000010100111
11101000001100111001
11000110001010010111
111001010000011100011
110101001010001001011
111000101010010001101
111010001001001001011
110010100100010101011
101011100001100010011
101101010001000100111
110100100101000010111

w=11

1111011101111
110101100001000101111
1110010001000011010010101
101001101000000110010010011
1010110000000011001010010011
1110000011001000001000110011
1010010101000100010000001111
1100101000010001010000010111
11001001010001000010100001101
11000100100100010000100011011
11100001010000100001010001011
10010100001100000010011000111
11011000010010000100010010011
11011001000001001000001100011
10111000000110000010000101101
11100010000101100000001010101

w=12

111110101101111
11100110000010100110111
111100001001000110000100111
10101001101000000100011001011
110101100000011001000100001101
111001000010010000110000011011
110011000010100010000101000111
110001011001001000001000010111
1101001010100000100100100000111
1101100001000101000000010100111
1101010001001000000110001010101
1101000100010101001000001001011
1110100100000000010101001010011
1101000100101000010001100100011
1100010101000010100100010001011
1011010000011000000100110100011

w=13

111111011101111
110111001001000011010111
1101001101000000110001010111
110100101100000000101110000111
1010110000010010001100001010111
1110010000101010001001000101101
1110101000010100011001000100011
1111000100000101001010010010011
11010000101011000000010100110011
11100011000100010100100000011011
11101000101000010001000011001011
10100110010000110000010100100111
11001010000100101000100100001111
11011000011000001100001000100111
10110110000001100100000011010101
11000101010001000101000101001011

w=14

1111101111011111
1101111000101000100111111
1110110001001010001100010111
110101001100001010010010010111
1011001011000000001110101000111
1010110000110100000001110100111
1110000110100100100010001100111
1110101000001010011001001001011
11100101001000110000100100010111
11101001000110001010000100101011
10111010001001000110000001101101
11000110010101000010100001110011
11011001000010011000101010000111
11100100100010100100101000101011
110110001010001000100000110011011
11110000011001001001010010100011

w=15

111110110111101111
11101110001100010010011111
111011001000100010101101001011
11001110010001100100100001011011
110110100100001010100100110000111
110101001101000000110001010110011
111010001001001100001001101000111
101101000110100000101010011001011
1110100100000100110011000001010111
1010011100001010000101010001001111
1011100010110001001001000001100111
1110010010010110000110000100110011
1111000101000101000100011000101011
1101011000010010110000001010010111
1100101010100001010000110000111011
1101000100111000000001101010011011

w=16

111111101111011111
11101111000101001001110111
111100101100000010101110100111
11110001001100101000010011011011
110110001010100011011000000111011
111110010100100000110010101000111
110101100010001010010011001001111
110011010010001101000100101001111
1110100001100110101000100010100111
1101010101010001000001110000110111
1100110100001010110000010101101011
1111001010000011000100011100101011
1101001100100100011001000011101011
1101010010111000001010001011001011
1110001100101001001011000100010111
1101010110000110001010100100011101

w=17

1111111101111011111
111100111001001100110101111
1111110010000110001001110101011
11101001100100011110000100101111
111001010101010110001010000110111
110101100100110000010100011111011
111010111010000010100110010110011
111100000111001010100001011100111
1111000101100100000101011001011011
1101100011001010011010100011001011
1110101010010100010011010011000111
1101100110001101001000011100100111
1110011000110000011101000100111011
1110100101001010010110010100010111
1110110000011010100001101000011111
1101011010010011001010000101010111

w=18

111111011101111011111
1111011010011101000101011111
11101010101101100000101001101111
111101000111000100011010010110111
1100111001001000101100100111010111
1111010010101000110011000101011011
1110010110000100101100011100110111
1110111000100010110001101000111011
11011100101100000111000100110100111
11011101000001111001000010110011011
11001011001101010000110011010100111
1110100110000111010101100000101111
11101000011011000100100111000011111
11110011010000100001011110011000111
11110100110010000101010100101011011
11100101011010010110000010011101011

w=19

11111011011111011101111
11110110011011000110101011111
11110111001101010001001011010111
111010101100001110110110001001111
1110110010010111100010101100100111
1101101100100001111100001100111011
1101010111001010001100100111100111
1101100011111001010010001010011111
11101011010001100110101100000011111
11110100101010110000101100001111011
11101100111000000101011011001011011
11110011010100001100011001011101011
11011110000100101001001110110101011
11110010100111100010000011010110111
11010101100101000001110101110010111
11110101010001001011100010101100111

w=20

11111111011111110111111
11110111100011100101010111111
11101110010011101101001001011111
111001011111001001000111100110111
1101110011100010001101011011010111
1110110100001101000111110010110111
1011111000101011001011001110001111
1110110011010111100000010110101111
11100101011000111011001101000111011
11011100001101110101010100001110111
11011011010010011011100100011100111
11101010110110000110000110111011011
11101101100101010100100011010101111
11111001101000010010111000111011011
11110011010101001100111010001001111
11101010110110000101011001100101111

N=70, k=2

w=7

1101010111
11100001001011

w=8

111001010111
11010100000010010011

w=9

1110110010111
1101001010000001000111

w=10

111010010110111
11010010001000101000111

w=11

1110110101001111
110100110010000001010111

w=12

1110100101011001111
1111010001000101000011011

w=13

111101011001101111
1110101001001000000110100111

w=14

11110110011010101111
11110101000001000010011001111

w=15

11110110011101011111
111011010000110010010101111

w=16

1111001110110101011111
1111100101000001100010010110111

w=17

1111100110011010101101111
11110100101000100011000001011001111

w=18

1111100110110101011101111
11101110010010100011010010011111

w=19

11111011100101110101101111
111011011010010000101010000110011111

w=20

111110101110110110011101111
1111011100100010100100001010110011111

N=70, k=4

w=7

11101010011
101001001000111
11001000010100011
11010001000001011

w=8

1110110111
1101010001001101
1100101000010001011
1100010000010010000111

w=9

1110110100111
111000100101001011
110010100000100010111
11100100010000010010011

w=10

11101101010111
1111001001000100111
110101000001011001011
11010001100001000010111

w=11

1111001101010111
1110101000011000011011
1101001001000100010001111
110110001000000010100101011

w=12

11110110011010111
11101000100100101001111
11101010010000100100010111
11100100001010000001000101111

w=13

1111011101101111
11110110001001001010111
111010010100000110100011011
111010000010101000100001100111

w=14

11110110111011111
111011100010100100101111
1111000101100010001000101111
1110101001001000100100010100111

w=15

1111011101011011111
111010101100010010001101111
1110100011001010000100100110111
1111011000100000100100001100010111

w=16

111101110111011011111
1110111100001010010011010111
11110100100010101000100110001111
11110010011000010000101100010010111

w=17

111110110101110111111
11101110100011001000101101111
111100110001010010000110101001111
1111010001001001010000100010011001111

w=18

11110111011110110111111
1111010110010101001000110011111
111011000101100000110001010001101111
1111001011000100010000100110000011010111

w=19

111110011100110101011011111
1111010100110100100110001100101111
1111010110000001011001000101110100111
1111100101001100100001010000100010101111

w=20

111110011101011010111011111
11110110010001010111000001110110111
111101010110010100001001100010001101111
1111101001010001000010010000011100001101111

N=70, k=8

w=7

111101011
110100000100111
110000010001001101
10010001000001010011
10101000010000100011
101000010001001000011
110010000000100001011
110000010010000010101

w=8

1110101111
11001100000101101
110100000010001000111
11000100001000010010011
101010000010000010011001
110001000100100000001011
110100001001000001000011
110100000100010010000101

w=9

11101101111
110110000010100111
1100100001010000010111
110101000001000010001011
1100100010000100101000101
1100001001000100000110011
1101000010100010000001011
1110000100010000100100011

w=10

111101101111
1101001000101100111
11101000100001001010011
1110100001001001000100011
11000101000100001010000111
10110000010010000100010111
11100010001000100000110101
11001001000010100000101011

w=11

1111011101111
110011010000100101111
1101001000100010101000111
110110000101000010001010011
1110000101001000000100110011
1100110010000100010000101101
1110001000010010010010001011
1010100010000011001000010111

w=12

11111011101111
1110010110000100110111
11110001001000100001101011
1101000110100000101001100011
11010010100010000100010011101
101011000100010100010000011011
111100100001000010100001010011
111001000000101000100100001111

w=13

111101110111111
11101011000100100101111
111100001010001011000010111
11011010010000100001010100111
111010001000011000101001010011
1101010001000100101000001001111
1110100100010000100100011001011
1100110000101000100000110110011

w=14

11110111011011111
11101100010101001101111
11110101001001000101100111
1101100011000010010101010111
11010101001100000010110001111
11100110100010001100100001111
11010011000011100001000110111
11110010010100010100001011011

w=15

11111011110111111
1111101000100101001110111
11011001010100100110100010111
1101001100011000101000100101111
11100101001001100010001001101011
111110000101000001000011010011011
111001100000110100001101000010111
111010101100000010101000011000111

w=16

1111011101111011111
111011011000110100001101111
1101101011000001001010110001111
110111000001110001000101000111011
1111010010100010001100000101100111
11110001100100010100000110010010111
11100010011010001001001001010010111
11011001100001000010101001000101111

w=17

111110111101110111111
11011011100010100100110101111
1110111000100010010010001100101111
111010100101001000100110000100111011
1100110100011100000010101000011010111
11011010000001010110010000011000110111
11110100011000011000010010010001011011
11110001100100000101000010101001001111

w=18

11111011110111011011111
1101110110000101011000011101111
111110001001010010100010100100110111
11010101100100001000110000101100101111
111010110010110000000101100010011000111
1101110000101000101000100110001010010111
1111000010001001100100100000110101001111
1110011010100001110000001100000010111011

w=19

11110111101101110111111
1110111010010001110010010111111
11111010010010001010100111000101111
1111001010100011001000011000111010111
11101100001101100001000010110101101011
111010110000011001001101010000011001111
111101001110000100001101000101010001111
111100010011010010101000001100100110111

w=20

1111101110110111101111111
111011110001011011000010101110111
1111011010011000100010101011010001111
111011100010101000011001100001011010111
1111100010100011010010000110100010011111
11110100011000100110000110100010011100111
11100101101001001001010100001110000111011
11110010010111000001010000101001101001111

N=70, k=16

w=7

11110111
110100000110101
1110000100010000101
10010100010100000011
110000010100000100011
110001001000000010101
101100000010001000011
101001000100001001001
1100001000000100010011
1010000010001001000011
1010001000010000000111
1000100100100000100011
1001000100000100010101
1100100000011000001001
1010010000100000011001
1011000000000100101001

w=8

1111010111
111010000001001101
1110000010100000100101
10010001000010010000111
10100010001000010010011
110010010000001000100011
110000100100000010100101
110000101001000000011001
101001000010000010001011
1100001010000100001000101
1100010000001010000001101
1000110000100000001011001
1001000100010010000110001
1100100000100000010100011
1101000000001100000010011
1010100001000001000001011

w=9

11110110111
1111000100000110101
11000101000000011001011
1100100010010000100000111
11000110000100010000001011
10110100000001000100001101
11001000001001000100100011
10100010010000100101000011
101001010010000001000100011
110001010000001000001000111
111000000101010000001001001
110100000100100000010100011
101010100010000100000001011
100011001000010010000010011
111000001000100100100000101
100110000100000011000010101

w=10

1111010110111
11010010010010001111
101101000010001100001011
1100100110001000000101011
11101000100000101001000011
11100110000001001001000101
11000101001000000110010101
11000001001100001000101011
100101000101000100000100111
101001100010000000101000111
1010100000010010001000011101
110101000000101000010010011
110010010100001000100001011
111000010000010100000110011
110110000001010001001000011
111000000100100010001001101

w=11

1110110111111
11101100000011010111
110101000100010010001111
1110100001010010001100101
11100000110001001000011011
11001010010000011010100101
11010010100100010000011011
11100001000010110001000111
110011000001010000100100111
101100010011000000001110011
101011001010000010001001011
101001100100001100001010101
110010010010001010100000111
110100110000010001010010011
110101000100101000001000111
111000100001100001001001101

w=12

11110111011111
111010100100101100111
1011001101001000000011111
10111001000000110100101011
111000010011000100010110011
110100010100100010100001111
111000100011000001100101011
101101001100000101010100011
1110101000001001100001001101
1110010001000110100010010101
1100011010001010100000100111
1110010011000100001001001011
1101010100100000110001001011
1110000100100010000110011011
1101100001010010000101010011
1101101000010100010010000111

w=13

111111011101111
1111011000001010110111
11100010110000100110100111
110110010000101110001010011
1011010100010011000010101011
1101011000100001100100100111
1110100010100001001000111011
1110001001001101000011000111
11101010010010000011100010011
10111000011001000010010101011
11010100101000001000110010111
11100100001010100100001101011
11010001000110010100001011011
10100110100101000010001001111
11001101000001100010100100111
11001011100000101010000011011

w=14

1111101111011111
11111100010010101011011
110111010000010100110101011
1110001001110010010010010111
11011100100100000100101010111
10110010100010110010001100111
11100101010000110011000011011
11101010011000010101010000111
101010100011010001100000110111
111001000100110101000010011011
110011001011000100000101101011
110100110000110001001100100111
111100001110001000101001100011
110101100010001000010110010111
111010010100100011100000101011
110100100101010010000111001011

w=15

111110110111101111
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w=16

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w=17

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w=18

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w=19

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w=20

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