

# List of full sensitivity spaced seeds for at most 3 mismatches

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Each spaced seed  $s$  is a periodic seed ( $b$  is a periodic block). It consists of  $n_b$  repetitions of the block and first  $n_d$  symbols of the blocks. Other parameters:  $w$  is the weight of the periodic seed,  $n_m$  is the maximum number of mismatches allowed to achieve the full sensitivity,  $L_{min}$  is the minimum length of a read required for the found seed.

We used the following selection criteria:

- by setting  $n_m$  and the length  $L$  of a read, we found all seeds of a maximum weight  $w$ ;
- for a given weight  $w$  we found the shortest length  $L_{min}$  of reads when we are able to find seeds;
- among all seeds found for  $n_m$ ,  $w$  and  $L_{min}$ , we used only seeds of maximum length.

If a seed  $s$  is found, then its reverse version  $\bar{s}$  (all digits are in the reverse order) can also be used. To form the seeds below lists of seed blocks  $b$  were used. Those blocks were found for sizes from 10 to 50 for  $n_m = 3, 4, \dots, 9$  and from 10 to 70 for  $n_m = 2$ . For each block size only sequences of maximum weight were used. There is a possibility that in a future longer seed blocks can be found and new spaced seeds can be formed for a given weight  $w$  (it will be possible to use them for shorter reads, i.e.  $L_{min}$  will be smaller).

- 1)  $n_m = 3, w = 16, L_{min} = 41, n_b = 1, n_d = 12$ ,  
 $b = 100110101111000$ ,  
 $s = 100110101111000100110101111$
- 2)  $n_m = 3, w = 17, L_{min} = 44, n_b = 2, n_d = 6$ ,  
 $b = 1101110000010$ ,  
 $s = 11011100000101101110000010110111$
- 3)  $n_m = 3, w = 17, L_{min} = 44, n_b = 2, n_d = 6$ ,  
 $b = 1011110001000$ ,  
 $s = 10111100010001011110001000101111$
- 4)  $n_m = 3, w = 18, L_{min} = 46, n_b = 3, n_d = 3$ ,  
 $b = 11100010010$ ,  
 $s = 111000100101110001001011100010010111$
- 5)  $n_m = 3, w = 19, L_{min} = 47, n_b = 2, n_d = 3$ ,  
 $b = 111100010011010$ ,  
 $s = 111100010011010111100010011010111$
- 6)  $n_m = 3, w = 19, L_{min} = 47, n_b = 2, n_d = 3$ ,  
 $b = 111000100110101$ ,  
 $s = 111000100110101111000100110101111$
- 7)  $n_m = 3, w = 20, L_{min} = 48, n_b = 2, n_d = 4$ ,  
 $b = 111100010011010$ ,  
 $s = 1111000100110101111000100110101111$
- 8)  $n_m = 3, w = 21, L_{min} = 50, n_b = 2, n_d = 6$ ,  
 $b = 101111000100110$ ,  
 $s = 101111000100110101111000100110101111$
- 9)  $n_m = 3, w = 22, L_{min} = 52, n_b = 2, n_d = 8$ ,  
 $b = 110101111000100$ ,  
 $s = 11010111100010011010111100010011010111$
- 10)  $n_m = 3, w = 22, L_{min} = 52, n_b = 2, n_d = 8$ ,  
 $b = 101011110001001$ ,  
 $s = 10101111000100110101111000100110101111$
- 11)  $n_m = 3, w = 23, L_{min} = 53, n_b = 2, n_d = 9$ ,  
 $b = 110101111000100$ ,  
 $s = 110101111000100110101111000100110101111$

- 12)  $n_m = 3, w = 24, L_{min} = 56, n_b = 2, n_d = 12,$   
 $b = 100110101111000,$   
 $s = 100110101111000100110101111000100110101111$
- 13)  $n_m = 3, w = 25, L_{min} = 60, n_b = 3, n_d = 1,$   
 $b = 100110101111000,$   
 $s = 1001101011110001001101011110001001101011110001$
- 14)  $n_m = 3, w = 25, L_{min} = 60, n_b = 3, n_d = 1,$   
 $b = 110101111000100,$   
 $s = 1101011110001001101011110001001101011110001001$
- 15)  $n_m = 3, w = 25, L_{min} = 60, n_b = 3, n_d = 1,$   
 $b = 101011110001001,$   
 $s = 1010111100010011010111100010011010111100010011$
- 16)  $n_m = 3, w = 25, L_{min} = 60, n_b = 3, n_d = 1,$   
 $b = 101111000100110,$   
 $s = 1011110001001101011110001001101011110001001101$
- 17)  $n_m = 3, w = 25, L_{min} = 60, n_b = 3, n_d = 1,$   
 $b = 111100010011010,$   
 $s = 1111000100110101111000100110101111000100110101$
- 18)  $n_m = 3, w = 25, L_{min} = 60, n_b = 3, n_d = 1,$   
 $b = 111000100110101,$   
 $s = 1110001001101011110001001101011110001001101011$
- 19)  $n_m = 3, w = 25, L_{min} = 60, n_b = 3, n_d = 1,$   
 $b = 110001001101011,$   
 $s = 1100010011010111100010011010111100010011010111$
- 20)  $n_m = 3, w = 25, L_{min} = 60, n_b = 3, n_d = 1,$   
 $b = 100010011010111,$   
 $s = 1000100110101111000100110101111000100110101111$
- 21)  $n_m = 3, w = 26, L_{min} = 61, n_b = 3, n_d = 2,$   
 $b = 110101111000100,$   
 $s = 11010111100010011010111100010011010111100010011$
- 22)  $n_m = 3, w = 26, L_{min} = 61, n_b = 3, n_d = 2,$   
 $b = 111100010011010,$   
 $s = 11110001001101011110001001101011110001001101011$
- 23)  $n_m = 3, w = 26, L_{min} = 61, n_b = 3, n_d = 2,$   
 $b = 111000100110101,$   
 $s = 11100010011010111100010011010111100010011010111$
- 24)  $n_m = 3, w = 26, L_{min} = 61, n_b = 3, n_d = 2,$   
 $b = 110001001101011,$   
 $s = 11000100110101111000100110101111000100110101111$
- 25)  $n_m = 3, w = 27, L_{min} = 62, n_b = 3, n_d = 3,$   
 $b = 111100010011010,$   
 $s = 111100010011010111100010011010111100010011010111$
- 26)  $n_m = 3, w = 27, L_{min} = 62, n_b = 3, n_d = 3,$   
 $b = 111000100110101,$   
 $s = 111000100110101111000100110101111000100110101111$
- 27)  $n_m = 3, w = 28, L_{min} = 63, n_b = 3, n_d = 4,$   
 $b = 111100010011010,$   
 $s = 1111000100110101111000100110101111000100110101111$

- 28)  $n_m = 3, w = 29, L_{min} = 65, n_b = 3, n_d = 6,$   
 $b = 101111000100110,$   
 $s = 101111000100110101111000100110101111000100110101111$
- 29)  $n_m = 3, w = 30, L_{min} = 67, n_b = 3, n_d = 8,$   
 $b = 110101111000100,$   
 $s = 11010111100010011010111100010011010111100010011010111$
- 30)  $n_m = 3, w = 30, L_{min} = 67, n_b = 3, n_d = 8,$   
 $b = 101011110001001,$   
 $s = 10101111000100110101111000100110101111000100110101111$
- 31)  $n_m = 3, w = 31, L_{min} = 68, n_b = 3, n_d = 9,$   
 $b = 110101111000100,$   
 $s = 110101111000100110101111000100110101111000100110101111$
- 32)  $n_m = 3, w = 32, L_{min} = 71, n_b = 3, n_d = 12,$   
 $b = 100110101111000,$   
 $s = 100110101111000100110101111000100110101111000100110101111$
- 33)  $n_m = 3, w = 33, L_{min} = 75, n_b = 4, n_d = 1,$   
 $b = 100110101111000,$   
 $s = 1001101011110001001101011110001001101011110001001101011110001$
- 34)  $n_m = 3, w = 33, L_{min} = 75, n_b = 4, n_d = 1,$   
 $b = 110101111000100,$   
 $s = 1101011110001001101011110001001101011110001001101011110001001$
- 35)  $n_m = 3, w = 33, L_{min} = 75, n_b = 4, n_d = 1,$   
 $b = 101011110001001,$   
 $s = 1010111100010011010111100010011010111100010011010111100010011$
- 36)  $n_m = 3, w = 33, L_{min} = 75, n_b = 4, n_d = 1,$   
 $b = 101111000100110,$   
 $s = 1011110001001101011110001001101011110001001101011110001001101$
- 37)  $n_m = 3, w = 33, L_{min} = 75, n_b = 4, n_d = 1,$   
 $b = 111100010011010,$   
 $s = 1111000100110101111000100110101111000100110101111000100110101$
- 38)  $n_m = 3, w = 33, L_{min} = 75, n_b = 4, n_d = 1,$   
 $b = 111000100110101,$   
 $s = 1110001001101011110001001101011110001001101011110001001101011$
- 39)  $n_m = 3, w = 33, L_{min} = 75, n_b = 4, n_d = 1,$   
 $b = 110001001101011,$   
 $s = 1100010011010111100010011010111100010011010111100010011010111$
- 40)  $n_m = 3, w = 33, L_{min} = 75, n_b = 4, n_d = 1,$   
 $b = 100010011010111,$   
 $s = 1000100110101111000100110101111000100110101111000100110101111$
- 41)  $n_m = 3, w = 34, L_{min} = 76, n_b = 4, n_d = 2,$   
 $b = 110101111000100,$   
 $s = 11010111100010011010111100010011010111100010011010111100010011$
- 42)  $n_m = 3, w = 34, L_{min} = 76, n_b = 4, n_d = 2,$   
 $b = 111100010011010,$   
 $s = 11110001001101011110001001101011110001001101011110001001101011$
- 43)  $n_m = 3, w = 34, L_{min} = 76, n_b = 4, n_d = 2,$   
 $b = 111000100110101,$   
 $s = 11100010011010111100010011010111100010011010111100010011010111$

- 44)  $n_m = 3, w = 34, L_{min} = 76, n_b = 4, n_d = 2,$   
 $b = 110001001101011,$   
 $s = 11000100110101111000100110101111000100110101111000100110101111$
- 45)  $n_m = 3, w = 35, L_{min} = 77, n_b = 4, n_d = 3,$   
 $b = 111100010011010,$   
 $s = 111100010011010111100010011010111100010011010111100010011010111$
- 46)  $n_m = 3, w = 35, L_{min} = 77, n_b = 4, n_d = 3,$   
 $b = 111000100110101,$   
 $s = 111000100110101111000100110101111000100110101111000100110101111$
- 47)  $n_m = 3, w = 36, L_{min} = 78, n_b = 4, n_d = 4,$   
 $b = 111100010011010,$   
 $s = 1111000100110101111000100110101111000100110101111000100110101111$
- 48)  $n_m = 3, w = 37, L_{min} = 80, n_b = 4, n_d = 6,$   
 $b = 101111000100110,$   
 $s = 101111000100110101111000100110101111000100110101111000100110101111$
- 49)  $n_m = 3, w = 38, L_{min} = 82, n_b = 4, n_d = 8,$   
 $b = 110101111000100,$   
 $s = 11010111100010011010111100010011010111100010011010111100010011010111$
- 50)  $n_m = 3, w = 38, L_{min} = 82, n_b = 4, n_d = 8,$   
 $b = 101011110001001,$   
 $s = 10101111000100110101111000100110101111000100110101111000100110101111$
- 51)  $n_m = 3, w = 39, L_{min} = 83, n_b = 4, n_d = 9,$   
 $b = 110101111000100,$   
 $s = 110101111000100110101111000100110101111000100110101111000100110101111$
- 52)  $n_m = 3, w = 40, L_{min} = 86, n_b = 4, n_d = 12,$   
 $b = 100110101111000,$   
 $s = 100110101111000100110101111000100110101111000100110101111000100110101111$
- 53)  $n_m = 3, w = 41, L_{min} = 89, n_b = 2, n_d = 18,$   
 $b = 101110010111110111000100,$   
 $s = 101110010111110111000100101110010111110111000100101110010111110111$
- 54)  $n_m = 3, w = 42, L_{min} = 91, n_b = 5, n_d = 2,$   
 $b = 110101111000100,$   
 $s = 11010111100010011010111100010011010111100010011010111100010011010111100010011$
- 55)  $n_m = 3, w = 42, L_{min} = 91, n_b = 5, n_d = 2,$   
 $b = 111100010011010,$   
 $s = 11110001001101011110001001101011110001001101011110001001101011110001001101011$
- 56)  $n_m = 3, w = 42, L_{min} = 91, n_b = 5, n_d = 2,$   
 $b = 111000100110101,$   
 $s = 11100010011010111100010011010111100010011010111100010011010111100010011010111$
- 57)  $n_m = 3, w = 42, L_{min} = 91, n_b = 5, n_d = 2,$   
 $b = 110001001101011,$   
 $s = 11000100110101111000100110101111000100110101111000100110101111000100110101111$
- 58)  $n_m = 3, w = 43, L_{min} = 92, n_b = 5, n_d = 3,$   
 $b = 111100010011010,$   
 $s = 111100010011010111100010011010111100010011010111100010011010111100010011010111$
- 59)  $n_m = 3, w = 43, L_{min} = 92, n_b = 5, n_d = 3,$   
 $b = 111000100110101,$   
 $s = 111000100110101111000100110101111000100110101111000100110101111000100110101111$

- 60)  $n_m = 3, w = 44, L_{min} = 93, n_b = 5, n_d = 4,$   
 $b = 111100010011010,$   
 $s = 1111000100110101111000100110101111000100110101111000100110101111000100110101111$
- 61)  $n_m = 3, w = 45, L_{min} = 95, n_b = 5, n_d = 6,$   
 $b = 101111000100110,$   
 $s = 101111000100110101111000100110101111000100110101111000100110101111000100110101111$
- 62)  $n_m = 3, w = 46, L_{min} = 97, n_b = 5, n_d = 8,$   
 $b = 110101111000100,$   
 $s = 110101111000100110101111000100110101111000100110101111000100110101111000100110101111$
- 63)  $n_m = 3, w = 46, L_{min} = 97, n_b = 5, n_d = 8,$   
 $b = 101011110001001,$   
 $s = 10101111000100110101111000100110101111000100110101111000100110101111000100110101111$
- 64)  $n_m = 3, w = 47, L_{min} = 98, n_b = 5, n_d = 9,$   
 $b = 110101111000100,$   
 $s = 110101111000100110101111000100110101111000100110101111000100110101111000100110101111$
- 65)  $n_m = 3, w = 48, L_{min} = 101, n_b = 5, n_d = 12,$   
 $b = 100110101111000,$   
 $s = 100110101111000100110101111000100110101111000100110101111000100110101111000100110101111$
- 66)  $n_m = 3, w = 49, L_{min} = 102, n_b = 3, n_d = 7,$   
 $b = 111111100011010011001010,$   
 $s = 1111111000110100110010101111111000110100110010101111111000110100110010101111111$
- 67)  $n_m = 3, w = 50, L_{min} = 104, n_b = 3, n_d = 9,$   
 $b = 111110111000100101110010,$   
 $s = 111110111000100101110010111110111000100101110010111110111000100101110010111110111$
- 68)  $n_m = 3, w = 50, L_{min} = 104, n_b = 3, n_d = 9,$   
 $b = 101111111000110100110010,$   
 $s = 101111111000110100110010101111111000110100110010101111111000110100110010101111111$
- 69)  $n_m = 3, w = 51, L_{min} = 106, n_b = 3, n_d = 11,$   
 $b = 101111101110001001011100,$   
 $s = 10111110111000100101110010111110111000100101110010111110111000100101110010111110111$
- 70)  $n_m = 3, w = 51, L_{min} = 106, n_b = 3, n_d = 11,$   
 $b = 101011111110001101001100,$   
 $s = 10101111111000110100110010101111111000110100110010101111111000110100110010101111111$
- 71)  $n_m = 3, w = 52, L_{min} = 108, n_b = 6, n_d = 4,$   
 $b = 111100010011010,$   
 $s = 1111000100110101111000100110101111000100110101111000100110101111000100110101111000100110101111$
- 72)  $n_m = 3, w = 53, L_{min} = 110, n_b = 6, n_d = 6,$   
 $b = 101111000100110,$   
 $s = 101111000100110101111000100110101111000100110101111000100110101111000100110101111000100110101111$   
11
- 73)  $n_m = 3, w = 54, L_{min} = 111, n_b = 3, n_d = 16,$   
 $b = 111001011111011100010010,$   
 $s = 1110010111110111000100101110010111110111000100101110010111110111000100101110010111110111$
- 74)  $n_m = 3, w = 55, L_{min} = 113, n_b = 6, n_d = 9,$   
 $b = 110101111000100,$   
 $s = 1101011110001001101011110001001101011110001001101011110001001101011110001001101011110001001101$   
01111
- 75)  $n_m = 3, w = 56, L_{min} = 116, n_b = 6, n_d = 12,$   
 $b = 100110101111000,$   
 $s = 1001101011110001001101011110001001101011110001001101011110001001101011110001001101011110001001$   
10101111

- 76)  $n_m = 3, w = 57, L_{min} = 120, n_b = 7, n_d = 1,$   
 $b = 100110101111000,$   
 $s = 1001101011110001001101011110001001101011110001001101011110001001101011110001001101011110001001$   
 $101011110001$
- 77)  $n_m = 3, w = 57, L_{min} = 120, n_b = 7, n_d = 1,$   
 $b = 110101111000100,$   
 $s = 1101011110001001101011110001001101011110001001101011110001001101011110001001101011110001001101$   
 $011110001001$
- 78)  $n_m = 3, w = 57, L_{min} = 120, n_b = 7, n_d = 1,$   
 $b = 101011110001001,$   
 $s = 1010111100010011010111100010011010111100010011010111100010011010111100010011010111100010011010$   
 $111100010011$
- 79)  $n_m = 3, w = 57, L_{min} = 120, n_b = 7, n_d = 1,$   
 $b = 101111000100110,$   
 $s = 1011110001001101011110001001101011110001001101011110001001101011110001001101011110001001101011$   
 $110001001101$
- 80)  $n_m = 3, w = 57, L_{min} = 120, n_b = 7, n_d = 1,$   
 $b = 111100010011010,$   
 $s = 1111000100110101111000100110101111000100110101111000100110101111000100110101111000100110101111$   
 $000100110101$
- 81)  $n_m = 3, w = 57, L_{min} = 120, n_b = 7, n_d = 1,$   
 $b = 111000100110101,$   
 $s = 1110001001101011110001001101011110001001101011110001001101011110001001101011110001001101011110$   
 $001001101011$
- 82)  $n_m = 3, w = 57, L_{min} = 120, n_b = 7, n_d = 1,$   
 $b = 110001001101011,$   
 $s = 1100010011010111100010011010111100010011010111100010011010111100010011010111100010011010111100$   
 $010011010111$
- 83)  $n_m = 3, w = 57, L_{min} = 120, n_b = 7, n_d = 1,$   
 $b = 100010011010111,$   
 $s = 1000100110101111000100110101111000100110101111000100110101111000100110101111000100110101111000$   
 $100110101111$
- 84)  $n_m = 3, w = 58, L_{min} = 121, n_b = 7, n_d = 2,$   
 $b = 110101111000100,$   
 $s = 1101011110001001101011110001001101011110001001101011110001001101011110001001101011110001001101$   
 $0111100010011$
- 85)  $n_m = 3, w = 58, L_{min} = 121, n_b = 7, n_d = 2,$   
 $b = 111100010011010,$   
 $s = 1111000100110101111000100110101111000100110101111000100110101111000100110101111000100110101111$   
 $0001001101011$
- 86)  $n_m = 3, w = 58, L_{min} = 121, n_b = 7, n_d = 2,$   
 $b = 111000100110101,$   
 $s = 1110001001101011110001001101011110001001101011110001001101011110001001101011110001001101011110$   
 $0010011010111$
- 87)  $n_m = 3, w = 58, L_{min} = 121, n_b = 7, n_d = 2,$   
 $b = 110001001101011,$   
 $s = 1100010011010111100010011010111100010011010111100010011010111100010011010111100010011010111100$   
 $0100110101111$
- 88)  $n_m = 3, w = 59, L_{min} = 122, n_b = 7, n_d = 3,$   
 $b = 111100010011010,$   
 $s = 1111000100110101111000100110101111000100110101111000100110101111000100110101111000100110101111$   
 $00010011010111$

- 7

- 102)  $n_m = 3, w = 66, L_{min} = 132, n_b = 2, n_d = 13,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 1111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111$
- 103)  $n_m = 3, w = 67, L_{min} = 134, n_b = 4, n_d = 15,$   
 $b = 111001011111011100010010,$   
 $s = 1110010111110111000100101110010111110111000100101110010111110111000100101110010111110111000100$   
 $10111001011111011$
- 104)  $n_m = 3, w = 67, L_{min} = 134, n_b = 4, n_d = 15,$   
 $b = 110010111110111000100101,$   
 $s = 1100101111101110001001011100101111101110001001011100101111101110001001011100101111101110001001$   
 $01110010111110111$
- 105)  $n_m = 3, w = 67, L_{min} = 134, n_b = 4, n_d = 15,$   
 $b = 110010101111111000110100,$   
 $s = 110010101111110001101001100101011111100011010011001010111111000110100110010101111110001101$   
 $00110010101111111$
- 106)  $n_m = 3, w = 68, L_{min} = 135, n_b = 4, n_d = 16,$   
 $b = 111001011111011100010010,$   
 $s = 1110010111110111000100101110010111110111000100101110010111110111000100101110010111110111000100$   
 $101110010111110111$
- 107)  $n_m = 3, w = 69, L_{min} = 137, n_b = 4, n_d = 18,$   
 $b = 101110010111110111000100,$   
 $s = 1011100101111101110001001011100101111101110001001011100101111101110001001011100101111101110001$   
 $00101110010111110111$
- 108)  $n_m = 3, w = 70, L_{min} = 138, n_b = 2, n_d = 19,$   
 $b = 1111010111111101111100010011011110011010,$   
 $s = 11110101111111011111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $01111$
- 109)  $n_m = 3, w = 70, L_{min} = 138, n_b = 2, n_d = 19,$   
 $b = 1110101111111011111000100110111100110101,$   
 $s = 111010111111101111100010011011110011010111110101111110111110001001101111001101011110101111110$   
 $11111$
- 110)  $n_m = 3, w = 70, L_{min} = 138, n_b = 2, n_d = 19,$   
 $b = 110111111011111101111010100101100111111000,$   
 $s = 110111111011111101111010100101100111111000110111110111110111101010010110011111100011011111101111$   
 $10111$
- 111)  $n_m = 3, w = 71, L_{min} = 139, n_b = 2, n_d = 20,$   
 $b = 1111010111111101111100010011011110011010,$   
 $s = 11110101111111011111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $011111$
- 112)  $n_m = 3, w = 72, L_{min} = 141, n_b = 2, n_d = 22,$   
 $b = 1011110101111111011111000100110111100110,$   
 $s = 10111101011111110111110001001101111001101011111010111111011111000100110111100110101111101011111$   
 $11011111$
- 113)  $n_m = 3, w = 73, L_{min} = 143, n_b = 2, n_d = 24,$   
 $b = 1101011110101111111011111000100110111100,$   
 $s = 110101111010111111101111100010011011110011010111101011111101111100010011011110011010111101011$   
 $1111101111$
- 114)  $n_m = 3, w = 73, L_{min} = 143, n_b = 2, n_d = 24,$   
 $b = 1010111101011111110111110001001101111001,$   
 $s = 10101111010111111110111110001001101111001101011111010111111011111000100110111100110101111010111$   
 $1111011111$



- 115)  $n_m = 3, w = 73, L_{min} = 143, n_b = 2, n_d = 24,$   
 $b = 1111110001101111110111110111010100101100,$   
 $s = 1111110001101111110111110111010100101100111111000110111111011111011101010010110011111100011011111011111$
- 116)  $n_m = 3, w = 74, L_{min} = 144, n_b = 2, n_d = 25,$   
 $b = 11010111101011111111011111000100110111100,$   
 $s = 11010111101011111111011111000100110111100110101111010111111101111100010011011110011010111101011111011111$
- 117)  $n_m = 3, w = 75, L_{min} = 146, n_b = 2, n_d = 27,$   
 $b = 1111110001101111110111110111010100101100,$   
 $s = 11111100011011111101111101110101001011001111110001101111110111110111101010010110011111100011011111011111011$
- 118)  $n_m = 3, w = 75, L_{min} = 146, n_b = 2, n_d = 27,$   
 $b = 11111000110111111101111101110101001011001,$   
 $s = 11111000110111111101111101110101001011001111110001101111110111110111010100101100111111000110111110111110111$
- 119)  $n_m = 3, w = 76, L_{min} = 147, n_b = 2, n_d = 28,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 111111000110111111011111011101010010110011111100011011111101111101111010100101100111111000110111110111110111$
- 120)  $n_m = 3, w = 77, L_{min} = 149, n_b = 2, n_d = 30,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$
- 121)  $n_m = 3, w = 77, L_{min} = 149, n_b = 2, n_d = 30,$   
 $b = 1110011010111101011111110111110001001101,$   
 $s = 111001101011110101111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111$
- 122)  $n_m = 3, w = 77, L_{min} = 149, n_b = 2, n_d = 30,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 11111100011011111101111101110101001011001111110001101111110111110111101010010110011111100011011111011111011101$
- 123)  $n_m = 3, w = 78, L_{min} = 150, n_b = 2, n_d = 31,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$
- 124)  $n_m = 3, w = 79, L_{min} = 152, n_b = 2, n_d = 33,$   
 $b = 1101111001101011110101111111011111000100,$   
 $s = 11011110011010111101011111110111110001001101111001101011110101111111011111000100110111100110101111101011111101111$
- 125)  $n_m = 3, w = 79, L_{min} = 152, n_b = 2, n_d = 33,$   
 $b = 1011110011010111101011111101111110001001,$   
 $s = 10111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111$
- 126)  $n_m = 3, w = 80, L_{min} = 153, n_b = 2, n_d = 34,$   
 $b = 1101111001101011110101111111011111000100,$   
 $s = 11011110011010111101011111110111110001001101111001101011110101111111011111000100110111100110101111101011111101111$
- 127)  $n_m = 3, w = 81, L_{min} = 156, n_b = 2, n_d = 37,$   
 $b = 100110111100110101111010111111011111000,$   
 $s = 100110111100110101111101011111101111100010011011110011010111101011111101111100010011011110011011111010111111011111$

- 128)  $n_m = 3, w = 81, L_{min} = 156, n_b = 2, n_d = 37,$   
 $b = 110111110111110111010100101100111111000,$   
 $s = 11011111011111011101010010110011111100011011111011111011110101001011001111110001101111101111$   
 $10111010100101100111111$
- 129)  $n_m = 3, w = 82, L_{min} = 159, n_b = 5, n_d = 16,$   
 $b = 111001011111011100010010,$   
 $s = 111001011111011100010010111001011110111000100101110010111110111000100101110010111110111000100$   
 $101110010111110111000100101110010111110111$
- 130)  $n_m = 3, w = 83, L_{min} = 161, n_b = 5, n_d = 18,$   
 $b = 101110010111110111000100,$   
 $s = 101110010111110111000100101110010111101110001001011100101111101110001001011100101111101110001$   
 $00101110010111110111000100101110010111110111$
- 131)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $10101111111011111000100110111$
- 132)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 111001101011110101111110111110001001101,$   
 $s = 11100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $01011111110111110001001101111$
- 133)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1111010111111101111100010011011110011010,$   
 $s = 11110101111111011111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $01111100010011011110011010111$
- 134)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1110101111111011111000100110111100110101,$   
 $s = 111010111111101111100010011011110011010111101011111101111100010011011110011010111110101111110$   
 $11111000100110111100110101111$
- 135)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 111111101111100010011011110011010111101011111101111100010011011110011010111110101111110111110$   
 $00100110111100110101111010111$
- 136)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $01001101111001101011110101111$
- 137)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 11111011111100010011011110011010111101011,$   
 $s = 111110111111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $10011011110011010111101011111$
- 138)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 11110111111000100110111100110101111010111,$   
 $s = 11110111111000100110111100110101111010111111101111100010011011110011010111101011111110111110001$   
 $001101111100110101111010111111$
- 139)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 11101111110001001101111001101011110101111,$   
 $s = 1110111111000100110111100110101111010111111101111100010011011110011010111101011111101111100010$   
 $01101111001101011110101111111$
- 140)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1111100010011011110011010111101011111110,$   
 $s = 111110001001101111001101011110101111111011111000100110111100110101111010111111011111000100110$   
 $11110011010111101011111101111$

- 141)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1111000100110111100110101111010111111101,$   
 $s = 11110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$   
 $1110011010111101011111101111$
- 142)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1110001001101111001101011110101111111011,$   
 $s = 11100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011$   
 $11001101011110101111101111$
- 143)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111100011011111011111011110110101001011001111110001101111101111101$   
 $11010100101100111111000110111$
- 144)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 11111011111011101010010110011111100011011111011111011101010010110011111100011011111011111011$   
 $10101001011001111110001101111$
- 145)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1111011111011101010010110011111100011011,$   
 $s = 111101111101110101001011001111110001101111101111101111011101010010110011111100011011111011110111$   
 $0101001011001111110001101111$
- 146)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1110111110111010100101100111111000110111,$   
 $s = 111011111011101010010110011111100011011111011111011110111010100101100111111000110111110111101110$   
 $1010010110011111100011011111$
- 147)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1111101110101001011001111110001101111110,$   
 $s = 111110111010100101100111111000110111110111110111101110101001011001111110001101111101111011101010$   
 $0101100111111000110111110111$
- 148)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 111101110101001011001111110001101111101,$   
 $s = 111101110101001011001111110001101111101111101111011101010010110011111100011011111011110110100$   
 $1011001111110001101111101111$
- 149)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1110111010100101100111111000110111111011,$   
 $s = 111011101010010110011111100011011111011111011110111010100101100111111000110111110111101110101001$   
 $011001111110001101111101111$
- 150)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1110101001011001111110001101111110111110,$   
 $s = 1110101001011001111110001101111110111110111101010010110011111100011011111011111011101010010110$   
 $01111110001101111110111110111$
- 151)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 11111100011011111101111101111010100101100111111000110111110111110111101010010110011111100011011$   
 $11110111110111010100101100111$
- 152)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 11111000110111111011111011110101001011001,$   
 $s = 11111000110111111011111011110101001011001111110001101111101111101111010100101100111111000110111$   
 $11101111101110101001011001111$
- 153)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 111100011011111110111110111101010010110011,$   
 $s = 11110001101111111011111011101010010110011111100011011111011111011110101001011001111110001101111$   
 $11011111011101010010110011111$

- 154)  $n_m = 3, w = 84, L_{min} = 162, n_b = 3, n_d = 3,$   
 $b = 1110001101111110111110111010100101100111,$   
 $s = 1110001101111110111110111010100101100111111000110111110111110111101010010110011111100011011111$   
 $10111110111010100101100111111$
- 155)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $10101111110111110001001101111$
- 156)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 111101011111101111100010011011110011010,$   
 $s = 1111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $011111000100110111100110101111$
- 157)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111$
- 158)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111$
- 159)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111100110101111010111111$
- 160)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111011111000100110111100110101111010111,$   
 $s = 111101111100010011011110011010111101011111110111110001001101111001101011110101111110111110001$   
 $001101111001101011110101111111$
- 161)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111100010011011110011010111101011111110,$   
 $s = 11111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110$   
 $11110011010111101011111101111$
- 162)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111000100110111100110101111010111111101,$   
 $s = 11110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$   
 $11100110101111010111111011111$
- 163)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111110001101111110111110111101010010110011111100011011111101111101$   
 $110101001011001111110001101111$
- 164)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 111110111110111010100101100111111000110111110111110111101010010110011111100011011111011111011$   
 $101010010110011111100011011111$
- 165)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111011111011101010010110011111100011011,$   
 $s = 1111011111011101010010110011111100011011111101111101111010100101100111111000110111110111110111$   
 $010100101100111111000110111111$
- 166)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111101110101001011001111110001101111110,$   
 $s = 111110111010100101100111111000110111111011111011101010010110011111100011011111101111101010$   
 $010110011111100011011111101111$

- 167)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111011101010010110011111100011011111101,$   
 $s = 11110111010100101100111111000110111110111110111010100101100111111000110111111011110111010100$   
 $101100111111000110111111011111$
- 168)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111110001101111110111110111010100101100,$   
 $s = 111111000110111111011111011101010010110011111100011011111011111011101010010110011111100011011$   
 $111101111101110101001011001111$
- 169)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111100011011111101111101110101001011001,$   
 $s = 111110001101111110111110111010100101100111111000110111110111110111010100101100111111000110111$   
 $111011111011101010010110011111$
- 170)  $n_m = 3, w = 85, L_{min} = 163, n_b = 3, n_d = 4,$   
 $b = 1111000110111111011111011101010010110011,$   
 $s = 111100011011111101111101110101001011001111110001101111101111101110101001011001111110001101111$   
 $110111110111010100101100111111$
- 171)  $n_m = 3, w = 86, L_{min} = 164, n_b = 3, n_d = 5,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $0010011011110011010111101011111$
- 172)  $n_m = 3, w = 86, L_{min} = 164, n_b = 3, n_d = 5,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $0100110111100110101111010111111$
- 173)  $n_m = 3, w = 86, L_{min} = 164, n_b = 3, n_d = 5,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $1001101111001101011110101111111$
- 174)  $n_m = 3, w = 86, L_{min} = 164, n_b = 3, n_d = 5,$   
 $b = 1111100010011011110011010111101011111110,$   
 $s = 111110001001101111001101011110101111110111110001001101111001101011111010111111011111000100110$   
 $1111001101011110101111110111111$
- 175)  $n_m = 3, w = 86, L_{min} = 164, n_b = 3, n_d = 5,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111100011011111011111011101010010110011111100011011111101111101$   
 $1101010010110011111100011011111$
- 176)  $n_m = 3, w = 86, L_{min} = 164, n_b = 3, n_d = 5,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 11111011111011101010010110011111100011011111101111101111010100101100111111000110111111011111011$   
 $1010100101100111111000110111111$
- 177)  $n_m = 3, w = 86, L_{min} = 164, n_b = 3, n_d = 5,$   
 $b = 11111011110101001011001111110001101111110,$   
 $s = 11111011110101001011001111110001101111101111101110101001011001111110001101111110111110111010$   
 $0101100111111000110111111011111$
- 178)  $n_m = 3, w = 86, L_{min} = 164, n_b = 3, n_d = 5,$   
 $b = 1111110001101111110111110111010100101100,$   
 $s = 111111000110111111011111011101010010110011111100011011111011111011101010010110011111100011011$   
 $1111011111011101010010110011111$
- 179)  $n_m = 3, w = 86, L_{min} = 164, n_b = 3, n_d = 5,$   
 $b = 11111000110111111101111101110101001011001,$   
 $s = 1111100011011111110111110111010100101100111111000110111110111110111010100101100111111000110111$   
 $1110111110111010100101100111111$

- 180)  $n_m = 3, w = 87, L_{min} = 165, n_b = 3, n_d = 6,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 1111111011111000100110111100110101111010111110111110001001101111001101011110101111110111110111110$   
 $00100110111100110101111010111111$
- 181)  $n_m = 3, w = 87, L_{min} = 165, n_b = 3, n_d = 6,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $01001101111001101011110101111111$
- 182)  $n_m = 3, w = 87, L_{min} = 165, n_b = 3, n_d = 6,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 1111110111110111010100101100111111000110111110111110111101010010110011111100011011111101111101$   
 $11010100101100111111000110111111$
- 183)  $n_m = 3, w = 87, L_{min} = 165, n_b = 3, n_d = 6,$   
 $b = 1111110001101111110111110111010100101100,$   
 $s = 1111110001101111110111110111010100101100111111000110111110111110111101010010110011111100011011$   
 $11110111110111010100101100111111$
- 184)  $n_m = 3, w = 88, L_{min} = 166, n_b = 3, n_d = 7,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $00100110111100110101111010111111$
- 185)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 10111111101111110001001101111001101011110,$   
 $s = 1011111110111111000100110111100110101111101011111101111100010011011110011010111101011111101111$   
 $1000100110111100110101111010111111$
- 186)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $0010011011110011010111101011111101$
- 187)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $0100110111100110101111010111111011$
- 188)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $1001101111001101011110101111110111$
- 189)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 11110111111000100110111100110101111010111,$   
 $s = 111101111110001001101111001101011110101111110111110001001101111001101011110101111110111110001$   
 $0011011110011010111101011111101111$
- 190)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 11101111110001001101111001101011110101111,$   
 $s = 111011111100010011011110011010111101011111101111100010011011110011010111101011111101111100010$   
 $0110111100110101111010111111011111$
- 191)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 11011111101111101111010100101100111111000,$   
 $s = 11011111101111101111010100101100111111000110111111011111011110101001011001111110001101111101111$   
 $10111010100101100111111000110111111$
- 192)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 1111110111110111010100101100111111000110111110111110111101010010110011111100011011111101111101$   
 $11010100101100111111000110111111011$

- 193)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 1111101111101110101001011001111110001101111101111101110101001011001111110001101111101111011$   
 $1010100101100111111000110111110111$
- 194)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 1111011111011101010010110011111100011011,$   
 $s = 1111011111011101010010110011111100011011111011111011101010010110011111100011011111011110111$   
 $010100101100111111000110111110111$
- 195)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 1110111110111010100101100111111000110111,$   
 $s = 11101111101110101001011001111110001101111110111110111010100101100111111000110111110111101110$   
 $101001011001111110001101111101111$
- 196)  $n_m = 3, w = 89, L_{min} = 168, n_b = 3, n_d = 9,$   
 $b = 111110111010100101100111111000110111110,$   
 $s = 111110111010100101100111111000110111110111110111010100101100111111000110111110111101101010$   
 $010110011111100011011111011110111$
- 197)  $n_m = 3, w = 90, L_{min} = 169, n_b = 3, n_d = 10,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 111111011111000100110111100110101111010111111011111000100110111100110101111010111110111110$   
 $0010011011110011010111101011111011$
- 198)  $n_m = 3, w = 90, L_{min} = 169, n_b = 3, n_d = 10,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 111111011111000100110111100110101111010111111011111000100110111100110101111010111110111100$   
 $0100110111100110101111010111110111$
- 199)  $n_m = 3, w = 90, L_{min} = 169, n_b = 3, n_d = 10,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 111110111110001001101111001101011110101111110111110001001101111001101011110101111101111000$   
 $1001101111001101011110101111101111$
- 200)  $n_m = 3, w = 90, L_{min} = 169, n_b = 3, n_d = 10,$   
 $b = 1111011111000100110111100110101111010111,$   
 $s = 11110111110001001101111001101011111010111111011111000100110111100110101111010111111011110001$   
 $0011011110011010111101011111101111$
- 201)  $n_m = 3, w = 90, L_{min} = 169, n_b = 3, n_d = 10,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 1111110111110111010100101100111111000110111110111110111010100101100111111000110111110111101$   
 $11010100101100111111000110111110111$
- 202)  $n_m = 3, w = 90, L_{min} = 169, n_b = 3, n_d = 10,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 11111011111011101010010110011111100011011111101111101110101001011001111110001101111101111011$   
 $10101001011001111110001101111101111$
- 203)  $n_m = 3, w = 90, L_{min} = 169, n_b = 3, n_d = 10,$   
 $b = 11110111111011101010010110011111100011011,$   
 $s = 111101111110111010100101100111111000110111111011111011101010010110011111100011011111011110111$   
 $0101001011001111110001101111101111$
- 204)  $n_m = 3, w = 91, L_{min} = 170, n_b = 3, n_d = 11,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 1111111011111000100110111100110101111010111111011111000100110111100110101111010111110111110$   
 $00100110111100110101111010111110111$
- 205)  $n_m = 3, w = 91, L_{min} = 170, n_b = 3, n_d = 11,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011110101111110111100$   
 $01001101111001101011110101111101111$

- 206)  $n_m = 3, w = 91, L_{min} = 170, n_b = 3, n_d = 11,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111100110101111010111111011111$
- 207)  $n_m = 3, w = 91, L_{min} = 170, n_b = 3, n_d = 11,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 11111101111101110101001011001111110001101111101111101110101001011001111110001101111101111101$   
 $110101001011001111110001101111101111$
- 208)  $n_m = 3, w = 91, L_{min} = 170, n_b = 3, n_d = 11,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 11111011111011101010010110011111100011011111011111011101010010110011111100011011111011111011$   
 $101010010110011111100011011111011111$
- 209)  $n_m = 3, w = 92, L_{min} = 171, n_b = 3, n_d = 12,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $0010011011110011010111101011111101111$
- 210)  $n_m = 3, w = 92, L_{min} = 171, n_b = 3, n_d = 12,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $0100110111100110101111010111111011111$
- 211)  $n_m = 3, w = 92, L_{min} = 171, n_b = 3, n_d = 12,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111100011011111011111011110101001011001111110001101111101111101$   
 $1101010010110011111100011011111011111$
- 212)  $n_m = 3, w = 93, L_{min} = 172, n_b = 3, n_d = 13,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $00100110111100110101111010111111011111$
- 213)  $n_m = 3, w = 94, L_{min} = 174, n_b = 3, n_d = 15,$   
 $b = 101111110111110001001101111001101011110,$   
 $s = 1011111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$   
 $1000100110111100110101111010111111011111$
- 214)  $n_m = 3, w = 94, L_{min} = 174, n_b = 3, n_d = 15,$   
 $b = 1101111110111110111010100101100111111000,$   
 $s = 11011111101111101110101001011001111110001101111101111101110101001011001111110001101111101111$   
 $1011101010010110011111100011011111011111$
- 215)  $n_m = 3, w = 94, L_{min} = 174, n_b = 3, n_d = 15,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 11111101111101110101001011001111110001101111101111101110101001011001111110001101111101111101$   
 $1101010010110011111100011011111011111011$
- 216)  $n_m = 3, w = 94, L_{min} = 174, n_b = 3, n_d = 15,$   
 $b = 11111011111101110101001011001111110001101,$   
 $s = 111110111111011101010010110011111100011011111011111011101010010110011111100011011111011111011$   
 $1010100101100111111000110111110111110111$
- 217)  $n_m = 3, w = 95, L_{min} = 175, n_b = 3, n_d = 16,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111100011011111011111011110101001011001111110001101111101111101$   
 $110101001011001111110001101111101111101111$
- 218)  $n_m = 3, w = 96, L_{min} = 177, n_b = 3, n_d = 18,$   
 $b = 111101011111101111100010011011110011010,$   
 $s = 111101011111101111100010011011110011010111101011111011111000100110111100110101111010111111$   
 $01111100010011011110011010111101011111101111$



- 17

- 232)  $n_m = 3$ ,  $w = 101$ ,  $L_{min} = 184$ ,  $n_b = 3$ ,  $n_d = 25$ ,  
 $b = 110101111010111111011111000100110111100$ ,  
 $s = 110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010111110111110001001101111001101011110101111101111100010011011110011010111101011111011111$

233)  $n_m = 3$ ,  $w = 102$ ,  $L_{min} = 186$ ,  $n_b = 3$ ,  $n_d = 27$ ,  
 $b = 11111100011011111101111101111010100101100$ ,  
 $s = 1111110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110111110111110101001011001111110001101111101111101010010110011111100011011111011111011$

234)  $n_m = 3$ ,  $w = 102$ ,  $L_{min} = 186$ ,  $n_b = 3$ ,  $n_d = 27$ ,  
 $b = 111110001101111111011111011110101001011001$ ,  
 $s = 111110001101111111011111011110101001011001111110001101111110111110111101010010110011111100011011111011111010100101100111111000110111110111110111$

235)  $n_m = 3$ ,  $w = 103$ ,  $L_{min} = 187$ ,  $n_b = 3$ ,  $n_d = 28$ ,  
 $b = 11111100011011111101111101111010100101100$ ,  
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111011111010100101100111111000110111110111110111$

236)  $n_m = 3$ ,  $w = 104$ ,  $L_{min} = 189$ ,  $n_b = 3$ ,  $n_d = 30$ ,  
 $b = 11110011010111110101111111011111000100110$ ,  
 $s = 111100110101111101011111110111110001001101111001101011111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111101011111101111$

237)  $n_m = 3$ ,  $w = 104$ ,  $L_{min} = 189$ ,  $n_b = 3$ ,  $n_d = 30$ ,  
 $b = 1110011010111101011111110111110001001101$ ,  
 $s = 11100110101111010111111101111100010011011110011010111110101111111011111000100110111100110101111010111111011111101111110111110111111011111011111011111$

238)  $n_m = 3$ ,  $w = 104$ ,  $L_{min} = 189$ ,  $n_b = 3$ ,  $n_d = 30$ ,  
 $b = 11111100011011111101111101111010100101100$ ,  
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111011111010100101100111111000110111110111110111101$

239)  $n_m = 3$ ,  $w = 105$ ,  $L_{min} = 190$ ,  $n_b = 3$ ,  $n_d = 31$ ,  
 $b = 11110011010111110101111111011111000100110$ ,  
 $s = 111100110101111101011111110111110001001101111001101011111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111011111$

240)  $n_m = 3$ ,  $w = 106$ ,  $L_{min} = 192$ ,  $n_b = 3$ ,  $n_d = 33$ ,  
 $b = 1101111001101011110101111111011111000100$ ,  
 $s = 1101111001101011110101111111011111000100110111100110101111101011111101111100010011011110011010111110101111110111110001001101111001101011111010111111011111$

241)  $n_m = 3$ ,  $w = 106$ ,  $L_{min} = 192$ ,  $n_b = 3$ ,  $n_d = 33$ ,  
 $b = 10111100110101111101011111110111110001001$ ,  
 $s = 1011110011010111110101111111011111000100110111100110101111101011111101111100010011011110011010111110101111110111110001001101111001101011111010111111011111$

242)  $n_m = 3$ ,  $w = 107$ ,  $L_{min} = 193$ ,  $n_b = 3$ ,  $n_d = 34$ ,  
 $b = 1101111001101011110101111111011111000100$ ,  
 $s = 1101111001101011110101111111011111000100110111100110101111101011111101111100010011011110011010111110101111110111110001001101111001101011111010111111011111$

243)  $n_m = 3$ ,  $w = 108$ ,  $L_{min} = 196$ ,  $n_b = 3$ ,  $n_d = 37$ ,  
 $b = 10011011110011010111110101111111011111000$ ,  
 $s = 1001101111001101011111010111111101111100010011011110011010111110101111110111110001001101111001101011111101111101111110111110111111011111$

244)  $n_m = 3$ ,  $w = 108$ ,  $L_{min} = 196$ ,  $n_b = 3$ ,  $n_d = 37$ ,  
 $b = 110111111011111101111010100101100111111000$ ,  
 $s = 110111111011111101111010100101100111111000110111111011111011111010100101100111111000110111111011111011111010100101100111111000110111111011111$

- 245)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 100110111100110101111010111111011111000$ ,  
 $s = 100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111110111111000100110111100110101111110111110001$

246)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 1101111001101011110101111111011111000100$ ,  
 $s = 110111100110101111010111111101111100010011011110011010111101011111101111100010011011110011010111110101111110111110001001$

247)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 10111100110101111010111111101111110001001$ ,  
 $s = 10111100110101111010111111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100010011$

248)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 1111001101011110101111111011111000100110$ ,  
 $s = 11110011010111101011111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$

249)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 1110011010111101011111110111110001001101$ ,  
 $s = 111001101011110101111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111100010011011$

250)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 110011010111101011111101111100010011011$ ,  
 $s = 1100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111$

251)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 1001101011110101111111011111000100110111$ ,  
 $s = 100110101111010111111101111100010011011110011010111101011111101111100010011011110011010111101011111101111110001001101111$

252)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 11010111101011111111011111000100110111100$ ,  
 $s = 1101011110101111111011111000100110111100110101111010111111011111000100110111100110101111010111110111110001001101111001$

253)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 1010111101011111110111110001001101111001$ ,  
 $s = 101011110101111111011111000100110111100110101111010111111011111000100110111100110101111010111110101111101011111010111110101111100010011011110011$

254)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 10111101011111111011111000100110111100110$ ,  
 $s = 10111101011111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$

255)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 111101011111101111100010011011110011010$ ,  
 $s = 1111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$

256)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 1110101111111011111000100110111100110101$ ,  
 $s = 11101011111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011$

257)  $n_m = 3$ ,  $w = 109$ ,  $L_{min} = 200$ ,  $n_b = 4$ ,  $n_d = 1$ ,  
 $b = 11010111111101111110001001101111001101011$ ,  
 $s = 11010111111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$

- 20

- 271)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 100010011011110011010111101011111101111,$   
 $s = 100010011011110011010111101011111101111100010011011110011010111110101111110111110001001101111$   
 $0011010111101011111101111100010011011110011010111101011111101111$
- 272)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 110111110111110111010100101100111111000,$   
 $s = 11011111011111011101010010110011111100011011111011111011110101001011001111110001101111101111$   
 $1011101010010110011111100011011111011111011110101001011001111110001$
- 273)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1011111101111101110101001011001111110001,$   
 $s = 101111110111110111010100101100111111000110111110111110111101010010110011111100011011111011111$   
 $01110101001011001111110001101111110111110111101010010110011111100011$
- 274)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 1111110111110111010100101100111111000110111111011111011110101001011001111110001101111101111101$   
 $11010100101100111111000110111111011111011110101001011001111110001101$
- 275)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 111110111110111010100101100111111000110111110111110111101010010110011111100011011111011111011$   
 $1010100101100111111000110111110111110111101010010110011111100011011$
- 276)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1111011111011101010010110011111100011011,$   
 $s = 1111011111011101010010110011111100011011111101111101111010100101100111111000110111110111110111$   
 $01010010110011111100011011111101111101111010100101100111111000110111$
- 277)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 111011110111010100101100111111000110111,$   
 $s = 111011110111010100101100111111000110111111011111011110101001011001111110001101111101111101110$   
 $1010010110011111100011011111011111011110101001011001111110001101111$
- 278)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1101111101110101001011001111110001101111,$   
 $s = 11011111011101010010110011111100011011111101111101111010100101100111111000110111110111101$   
 $0100101100111111000110111110111110111101010010110011111100011011111$
- 279)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1011111011101010010110011111100011011111,$   
 $s = 10111110111010100101100111111000110111111011111011110101001011001111110001101111101111010$   
 $1001011001111110001101111101111101111010100101100111111000110111111$
- 280)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1111101111010100101100111111000110111110,$   
 $s = 1111101111010100101100111111000110111111011111011110101001011001111110001101111110111101010$   
 $01011001111110001101111110111110111101010010110011111100011011111101$
- 281)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 111101110101001011001111110001101111101,$   
 $s = 11110111010100101100111111000110111111011111011110101001011001111110001101111101111010100$   
 $1011001111110001101111110111110111101010010110011111100011011111011$
- 282)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 111011101010010110011111100011011111011,$   
 $s = 111011101010010110011111100011011111101111101111010100101100111111000110111111011110101001$   
 $01100111111000110111111011111011110101001011001111110001101111110111$
- 283)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 110111010100101100111111000110111110111,$   
 $s = 110111010100101100111111000110111111011111011110101001011001111110001101111110111101010010$   
 $1100111111000110111111011111011110101001011001111110001101111101111$

- 284)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 101110101001011001111110001101111101111,$   
 $s = 101110101001011001111110001101111110111110111010100101100111111000110111110111110111010100101$   
 $1001111110001101111101111101110101001011001111110001101111101111$
- 285)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 111010100101100111111000110111110111110,$   
 $s = 11101010010110011111100011011111011111011101010010110011111100011011111011111011101010010110$   
 $0111111000110111110111110111010100101100111111000110111110111101$
- 286)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 11010100101100111111000110111110111101,$   
 $s = 1101010010110011111100011011111011110111010100101100111111000110111110111110111010100101100$   
 $1111110001101111101111101110101001011001111110001101111101111011$
- 287)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 10101001011001111110001101111101111011,$   
 $s = 101010010110011111100011011111011111011101010010110011111100011011111101111101110101001011001$   
 $1111100011011111011111011101010010110011111100011011111011110111$
- 288)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 101001011001111110001101111101111101110,$   
 $s = 10100101100111111000110111110111110111010100101100111111000110111110111110111010100101100111$   
 $111000110111111011111011101010010110011111100011011111011111011101$
- 289)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 100101100111111000110111110111110111010,$   
 $s = 10010110011111100011011111011111011101010010110011111100011011111011111011101010010110011111$   
 $100011011111011111011110101001011001111110001101111101111101110101$
- 290)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1011001111110001101111101111101111010100,$   
 $s = 10110011111100011011111011111011101010010110011111100011011111011111011101010010110011111100$   
 $0110111111011111011101010010110011111100011011111011111011110101001$
- 291)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1100111111000110111110111110111101010010,$   
 $s = 110011111100011011111011111011101010010110011111100011011111011111011110101001011001111110001$   
 $1011111101111101110101001011001111110001101111101111101111010100101$
- 292)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1001111110001101111101111101111010100101,$   
 $s = 1001111110001101111101111101110101001011001111110001101111101111011101010010110011111100011$   
 $01111110111101110101001011001111110001101111101111011110101001011$
- 293)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1111110001101111101111101111010100101100,$   
 $s = 11111100011011111011111011101010010110011111100011011111011111011101010010110011111100011011$   
 $1111011111011101010010110011111100011011111011111011110101001011001$
- 294)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 11111000110111111011111011110101001011001,$   
 $s = 111110001101111110111110111010100101100111111000110111110111110111010100101100111111000110111$   
 $1110111110111010100101100111111000110111110111110111101010010110011$
- 295)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 11110001101111110111110111101010010110011,$   
 $s = 111100011011111101111101110101001011001111110001101111101111101110101001011001111110001101111$   
 $1101111101110101001011001111110001101111101111101111010100101100111$
- 296)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 11100011011111101111101111010100101100111,$   
 $s = 111000110111111011111011101010010110011111100011011111011111011101010010110011111100011011111$   
 $1011111011101010010110011111100011011111011111011110101001011001111$

- 297)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 110001101111101111101110101001011001111,$   
 $s = 11000110111110111110111010100101100111111000110111110111110111010100101100111111000110111111$   
 $0111110111010100101100111111000110111111011111011101010010110011111$
- 298)  $n_m = 3, w = 109, L_{min} = 200, n_b = 4, n_d = 1,$   
 $b = 1000110111110111110111101010010110011111,$   
 $s = 100011011111011111011110101001011001111110001101111101111101110101001011001111110001101111110$   
 $111110111010100101100111111000110111110111110111010100101100111111$
- 299)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 110111100110101111010111111011111000100,$   
 $s = 11011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $11110101111110111100010011011110011010111101011111101111100010011$
- 300)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $1010111111101111100010011011110011010111101011111101111100010011011$
- 301)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 111001101011110101111110111110001001101,$   
 $s = 11100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $0101111111011111000100110111100110101111010111111011111000100110111$
- 302)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 110011010111101011111101111100010011011,$   
 $s = 11001101011110101111110111110001001101111001101011110101111110111110001001101111001101011110$   
 $1011111110111110001001101111001101011110101111110111110001001101111$
- 303)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 1101011110101111111011111000100110111100,$   
 $s = 110101111010111111101111100010011011110011010111101011111101111100010011011110011010111101011$   
 $1111101111100010011011110011010111101011111101111100010011011110011$
- 304)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 111101011111101111100010011011110011010,$   
 $s = 1111010111111011111000100110111100110101111010111111011111000100110111100110101111110101111111$   
 $0111110001001101111001101011110101111110111110001001101111001101011$
- 305)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 111010111111011111000100110111100110101,$   
 $s = 11101011111101111100010011011110011010111101011111101111100010011011110011010111101011111110$   
 $1111100010011011110011010111101011111101111100010011011110011010111$
- 306)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 1101011111110111110001001101111001101011,$   
 $s = 110101111111011111000100110111100110101111010111111011111000100110111100110101111101011111101$   
 $1111000100110111100110101111010111111011111000100110111100110101111$
- 307)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $0010011011110011010111101011111101111100010011011110011010111101011$
- 308)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $0100110111100110101111010111111011111000100110111100110101111010111$
- 309)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $1001101111001101011110101111110111110001001101111001101011110101111$

- 310)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 1111011111000100110111100110101111010111$ ,  
 $s = 11110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011110101111$

311)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 1110111110001001101111001101011110101111$ ,  
 $s = 11101111100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111101011111$

312)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 110111110001001101111001101011110101111$ ,  
 $s = 1101111100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111101011111$

313)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 1111100010011011110011010111101011111110$ ,  
 $s = 111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011111010111111011$

314)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 1111000100110111100110101111010111111101$ ,  
 $s = 111100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111110101111110111$

315)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 1110001001101111001101011110101111111011$ ,  
 $s = 111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111101011111101111$

316)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 1100010011011110011010111101011111110111$ ,  
 $s = 11000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111110111111011111$

317)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 1101111110111110111010100101100111111000$ ,  
 $s = 110111111011111011101010010110011111100011011111101111101111011101010010110011111100011011111101111$

318)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 11111101111101110101001011001111111000110$ ,  
 $s = 111111011111011101010010110011111100011011111101111101111011101010010110011111100011011111101111101$

319)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 11111011111011110101001011001111110001101$ ,  
 $s = 1111101111101111010100101100111111000110111111011111011110111010100101100111111000110111111011111011$

320)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 11110111110111101010010110011111100011011$ ,  
 $s = 111101111101111010100101100111111000110111111011111011110111010100101100111111000110111110111110111$

321)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 1110111110111010100101100111111000110111$ ,  
 $s = 111011111011101010010110011111100011011111011111011110111010100101100111111000110111111011111011110$

322)  $n_m = 3$ ,  $w = 110$ ,  $L_{min} = 201$ ,  $n_b = 4$ ,  $n_d = 2$ ,  
 $b = 11011111011110101001011001111110001101111$ ,  
 $s = 11011111011110101001011001111110001101111110111110111101110101001011001111110001101111110111110111101$



- 323)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 1111101110101001011001111110001101111110,$   
 $s = 111110111010100101100111111000110111110111101110101001011001111110001101111101111011101010$   
 $01011001111110001101111101111011101010010110011111100011011111011$
- 324)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 111101110101001011001111110001101111101,$   
 $s = 111101110101001011001111110001101111101111011101010010110011111100011011111011110111010100$   
 $10110011111100011011111011110111010100101100111111000110111110111$
- 325)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 111011101010010110011111100011011111011,$   
 $s = 111011101010010110011111100011011111011110111010100101100111111000110111110111101110101001$   
 $01100111111000110111110111101110101001011001111110001101111101111$
- 326)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 110111010100101100111111000110111110111,$   
 $s = 110111010100101100111111000110111110111101110101001011001111110001101111101111011101010010$   
 $11001111111000110111110111101110101001011001111110001101111101111$
- 327)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 111010100101100111111000110111110111110,$   
 $s = 11101010010110011111100011011111011110111101110101001011001111110001101111101111011101010010110$   
 $0111111000110111110111101110101001011001111110001101111101111011$
- 328)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 11010100101100111111000110111110111101,$   
 $s = 1101010010110011111100011011111011110111101010010110011111100011011111011110111010100101100$   
 $11111100011011111011110111101010010110011111100011011111011110111$
- 329)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 1100111111000110111110111110111101010010,$   
 $s = 110011111100011011111011111011110101001011001111110001101111101111101110101001011001111110001$   
 $1011111011111011101010010110011111100011011111011111011110101001011$
- 330)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 11111100011011111101111101111010100101100111111000110111110111110111101010010110011111100011011$   
 $111101111101111010100101100111111000110111110111110111101010010110011$
- 331)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 11111000110111111011111011110101001011001,$   
 $s = 1111100011011111101111101111010100101100111111000110111110111110111010100101100111111000110111$   
 $111011111011110101001011001111110001101111101111101111010100101100111$
- 332)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 11110001101111110111110111101010010110011,$   
 $s = 11110001101111110111110111101010010110011111100011011111011111011110101001011001111110001101111$   
 $11011111011101010010110011111100011011111011111011110101001011001111$
- 333)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 11100011011111101111101111010100101100111,$   
 $s = 11100011011111101111101111010100101100111111000110111110111110111101010010110011111100011011111$   
 $10111110111010100101100111111000110111110111110111101010010110011111$
- 334)  $n_m = 3, w = 110, L_{min} = 201, n_b = 4, n_d = 2,$   
 $b = 11000110111111011111011110101001011001111,$   
 $s = 11000110111111011111011110101001011001111110001101111101111101111010100101100111111000110111111$   
 $011111011110101001011001111110001101111101111101111010100101100111111$
- 335)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $101011111110111110001001101111001101011111010111111011111000100110111$



- 349)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 1111011111011101010010110011111100011011,$   
 $s = 111101111101110101001011001111110001101111101111101111011101010010110011111100011011111011111011110111010010110011111100011011111$
- 350)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 1110111110111010100101100111111000110111,$   
 $s = 111011111011101010010110011111100011011111011111011110111010100101100111111000110111110111110111101010010110011111100011011111$
- 351)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 1111101110101001011001111110001101111110,$   
 $s = 11111011101010010110011111100011011111011111011110111010100101100111111000110111111011111011110101010100111111000110111111011110111010101001111110001101111110111$
- 352)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 11110111101010010110011111100011011111101,$   
 $s = 1111011110101001011001111110001101111110111110111010100101100111111000110111111011111011110111010100101100111111000110111111011111$
- 353)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 1110111010100101100111111000110111111011,$   
 $s = 1110111010100101100111111000110111111011111011110111010100101100111111000110111111011111011110111010100101100111111000110111111011111$
- 354)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 1110101001011001111110001101111110111110,$   
 $s = 111010100101100111111000110111111011111011110101001011001111110001101111110111110111101110101001011001111111000110111111011111$
- 355)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 11111100011011111101111101111010100101100111111000110111111011111011110101001011001111110001101111101111101111010100101100111111000110111$
- 356)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 11111000110111111011111011110101001011001,$   
 $s = 11111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111011111011110101001011001111110001101111$
- 357)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 11110001101111110111110111101010010110011,$   
 $s = 111100011011111101111101111010100101100111111000110111111011111011110101001011001111110001101111101111101111010100101100111111$
- 358)  $n_m = 3, w = 111, L_{min} = 202, n_b = 4, n_d = 3,$   
 $b = 11100011011111101111101111010100101100111,$   
 $s = 1110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110111110111110111101010010110011111110111111$
- 359)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101110101111110111110001001101111$
- 360)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 111101011111101111100010011011110011010,$   
 $s = 1111010111111011111000100110111100110101111101011111101111100010011011110011010111101011111010111111010111111010111111010111111$
- 361)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 1111110111110001001101111001101011111010111111011111000100110111100110101111101011111101011111101011111010111110101111$

- 362)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 111111011111000100110111100110101111010111111011111000100110111100110111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111$
- 363)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $10011011110011010111101011111101111100010011011110011010111101011111$
- 364)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 1111011111000100110111100110101111010111,$   
 $s = 11110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001$   
 $00110111100110101111010111111011111000100110111100110101111010111111$
- 365)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 111110001001101111001101011110101111110,$   
 $s = 11111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110$   
 $11110011010111101011111101111100010011011110011010111101011111101111$
- 366)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 111100010011011110011010111101011111101,$   
 $s = 11110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$   
 $11100110101111010111111011111000100110111100110101111010111111011111$
- 367)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 11111101111101111010100101100111111000110,$   
 $s = 1111110111110111101010010110011111100011011111011111011110101001011001111110001101111101111101$   
 $11010100101100111111000110111111011111011110101001011001111110001101111$
- 368)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 111110111110111010100101100111111000110111110111110111101010010110011111100011011111011111011$   
 $10101001011001111110001101111110111110111101010010110011111100011011111$
- 369)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 11110111110111101010010110011111100011011,$   
 $s = 111101111101111010100101100111111000110111111011111011110101001011001111110001101111110111110111$   
 $01010010110011111100011011111101111101111010100101100111111000110111111$
- 370)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 1111101111010100101100111111000110111110,$   
 $s = 111110111101010010110011111100011011111011111011110101001011001111110001101111110111101010$   
 $01011001111110001101111110111110111101010010110011111100011011111101111$
- 371)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 11110111101010010110011111100011011111101,$   
 $s = 111101111010100101100111111000110111110111110111101010010110011111100011011111101111010100$   
 $10110011111100011011111101111101111010100101100111111000110111111011111$
- 372)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 1111110001101111110111110111101010010110011111100011011111011111011101010010110011111100011011$   
 $1111011111011101010010110011111100011011111011111011110101001011001111$
- 373)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 11111000110111111011111011110101001011001,$   
 $s = 11111000110111111011111011110101001011001111110001101111101111101111010100101100111111000110111$   
 $1110111110111010100101100111111000110111110111110111101010010110011111$
- 374)  $n_m = 3, w = 112, L_{min} = 203, n_b = 4, n_d = 4,$   
 $b = 111100011011111110111110111101010010110011,$   
 $s = 111100011011111110111110111101010010110011111100011011111011111011110101001011001111110001101111$   
 $110111111011101010010110011111100011011111101111101111010100101100111111$

- 29

- [illegible]

- 31

- 414)  $n_m = 3, w = 119, L_{min} = 211, n_b = 4, n_d = 12,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011111101111101111100$   
 $0100110111100110101111010111111011111000100110111100110101111010111111011111$
- 415)  $n_m = 3, w = 119, L_{min} = 211, n_b = 4, n_d = 12,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111100011011111011111011110101001011001111110001101111101111101$   
 $11010100101100111111000110111110111101110101001011001111110001101111101111$
- 416)  $n_m = 3, w = 120, L_{min} = 212, n_b = 4, n_d = 13,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $00100110111100110101111010111111011111000100110111100110101111010111111011111$
- 417)  $n_m = 3, w = 121, L_{min} = 214, n_b = 4, n_d = 15,$   
 $b = 1011111110111110001001101111001101011110,$   
 $s = 10111111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$   
 $1000100110111100110101111010111111011111000100110111100110101111010111111011111$
- 418)  $n_m = 3, w = 121, L_{min} = 214, n_b = 4, n_d = 15,$   
 $b = 11011111101111101111010100101100111111000,$   
 $s = 11011111101111101111010100101100111111000110111111011111011110101001011001111110001101111101111$   
 $1011101010010110011111100011011111101111101111010100101100111111000110111111011111$
- 419)  $n_m = 3, w = 121, L_{min} = 214, n_b = 4, n_d = 15,$   
 $b = 11111101111101111010100101100111111000110,$   
 $s = 1111110111110111101010010110011111100011011111101111101111010100101100111111000110111110111101$   
 $1101010010110011111100011011111101111101111010100101100111111000110111111011111011$
- 420)  $n_m = 3, w = 121, L_{min} = 214, n_b = 4, n_d = 15,$   
 $b = 11111011111011110101001011001111110001101,$   
 $s = 1111101111101111010100101100111111000110111111011111011110101001011001111110001101111101111011$   
 $101010010110011111100011011111101111101111010100101100111111000110111110111110111$
- 421)  $n_m = 3, w = 122, L_{min} = 215, n_b = 4, n_d = 16,$   
 $b = 11111101111101111010100101100111111000110,$   
 $s = 11111101111101111010100101100111111000110111111011111011111011110101001011001111110001101111101$   
 $11010100101100111111000110111111011111011110101001011001111110001101111110111110111$
- 422)  $n_m = 3, w = 123, L_{min} = 217, n_b = 4, n_d = 18,$   
 $b = 111101011111101111100010011011110011010,$   
 $s = 11110101111110111110001001101111001101011111010111111011111000100110111100110101111010111111$   
 $0111110001001101111001101011110101111110111110001001101111001101011110101111110111$
- 423)  $n_m = 3, w = 123, L_{min} = 217, n_b = 4, n_d = 18,$   
 $b = 1110101111111011111000100110111100110101,$   
 $s = 111010111111101111100010011011110011010111110101111110111110001001101111001101011110101111110$   
 $1111100010011011110011010111101011111101111100010011011110011010111101011111101111$
- 424)  $n_m = 3, w = 123, L_{min} = 217, n_b = 4, n_d = 18,$   
 $b = 11010111111110111110001001101111001101011,$   
 $s = 11010111111110111110001001101111001101011110101111110111110001001101111001101011110101111101$   
 $111100010011011110011010111101011111101111100010011011110011010111101011111101111$
- 425)  $n_m = 3, w = 123, L_{min} = 217, n_b = 4, n_d = 18,$   
 $b = 11011111101111101111010100101100111111000,$   
 $s = 11011111101111101111010100101100111111000110111111011111011110101001011001111110001101111101111$   
 $1011101010010110011111100011011111101111101111010100101100111111000110111111011111011$
- 426)  $n_m = 3, w = 123, L_{min} = 217, n_b = 4, n_d = 18,$   
 $b = 10111111011111011110101001011001111110001,$   
 $s = 10111111011111011110101001011001111110001101111110111110111101010010110011111100011011111011111$   
 $0111010100101100111111000110111111011111011110101001011001111110001101111110111110111$





- 440)  $n_m = 3, w = 131, L_{min} = 229, n_b = 4, n_d = 30,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $101011111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$
- 441)  $n_m = 3, w = 131, L_{min} = 229, n_b = 4, n_d = 30,$   
 $b = 1110011010111101011111110111110001001101,$   
 $s = 111001101011110101111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $0101111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111$
- 442)  $n_m = 3, w = 131, L_{min} = 229, n_b = 4, n_d = 30,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 11111100011011111101111101111010100101100111111000110111110111110111101010010110011111100011011$   
 $111101111101111010100101100111111000110111110111110111101010010110011111100011011111011111011101$
- 443)  $n_m = 3, w = 132, L_{min} = 230, n_b = 4, n_d = 31,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $1010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111$
- 444)  $n_m = 3, w = 133, L_{min} = 232, n_b = 4, n_d = 33,$   
 $b = 1101111001101011110101111111011111000100,$   
 $s = 110111100110101111010111111101111100010011011110011010111101011111101111100010011011110011010$   
 $11110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110111$   
 $1$
- 445)  $n_m = 3, w = 133, L_{min} = 232, n_b = 4, n_d = 33,$   
 $b = 101111001101011110101111110111110001001,$   
 $s = 10111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $11101011111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$   
 $1$
- 446)  $n_m = 3, w = 134, L_{min} = 233, n_b = 4, n_d = 34,$   
 $b = 1101111001101011110101111111011111000100,$   
 $s = 110111100110101111010111111101111100010011011110011010111101011111101111100010011011110011010$   
 $11110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110111$   
 $11$
- 447)  $n_m = 3, w = 135, L_{min} = 236, n_b = 4, n_d = 37,$   
 $b = 100110111100110101111010111111011111000,$   
 $s = 10011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $01011110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110$   
 $11111$
- 448)  $n_m = 3, w = 135, L_{min} = 236, n_b = 4, n_d = 37,$   
 $b = 110111111011111101111010100101100111111000,$   
 $s = 11011111101111110111101010010110011111100011011111011111011110101001011001111110001101111101111$   
 $10111010100101100111111000110111110111110111101010010110011111100011011111011111011110101001011001$   
 $11111$
- 449)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 100110111100110101111010111111011111000,$   
 $s = 10011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $01011110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110$   
 $111110001$
- 450)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1101111001101011110101111111011111000100,$   
 $s = 110111100110101111010111111101111100010011011110011010111101011111101111100010011011110011010$   
 $111101011111101111100010011011110011010111101011111101111100010011011110011010111110101111110111$   
 $110001001$

- 451)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 101111001101011110101111110111110001001,$   
 $s = 10111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $11101011111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$   
 $100010011$
- 452)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $101011111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101$
- 453)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 111001101011110101111110111110001001101,$   
 $s = 11100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $010111111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011$
- 454)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 110011010111101011111101111100010011011,$   
 $s = 11001101011110101111110111110001001101111001101011110101111110111110001001101111001101011110$   
 $101111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111$
- 455)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1001101011110101111111011111000100110111,$   
 $s = 100110101111010111111101111100010011011110011010111101011111101111100010011011110011010111101$   
 $011111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001$   
 $001101111$
- 456)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 11010111101011111111011111000100110111100,$   
 $s = 1101011110101111111101111100010011011110011010111101011111101111100010011011110011010111101011$   
 $111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001$   
 $101111001$
- 457)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1010111101011111110111110001001101111001,$   
 $s = 101011110101111111011111000100110111100110101111010111111011111000100110111100110101111010111$   
 $111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100010011$   
 $011110011$
- 458)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1011110101111111011111000100110111100110,$   
 $s = 101111010111111101111100010011011110011010111101011111101111100010011011110011010111101011111$   
 $110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$   
 $111001101$
- 459)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 111101011111111101111100010011011110011010,$   
 $s = 11110101111111011111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111$   
 $100110101$
- 460)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1110101111111011111000100110111100110101,$   
 $s = 11101011111110111110001001101111001101011110101111110111110001001101111001101011110101111110$   
 $111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111$   
 $001101011$
- 461)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1101011111110111110001001101111001101011,$   
 $s = 11010111111101111100010011011110011010111101011111101111100010011011110011010111101011111101$

111100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110  
011010111

462)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 101011111101111100010011011110011010111,$   
 $s = 1010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011$   
 $111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100$   
 $110101111$

463)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 101111110111110001001101111001101011110,$   
 $s = 1011111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$   
 $100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $010111101$

464)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $011110101$

465)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $111101011$

466)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $111010111$

467)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 11110111111000100110111100110101111010111,$   
 $s = 1111011111100010011011110011010111101011111110111110001001101111001101011110101111110111110001$   
 $001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011$   
 $110101111$

468)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1110111110001001101111001101011110101111,$   
 $s = 11101111100010011011110011010111101011111101111100010011011110011010111101011111101111100010$   
 $011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $101011111$

469)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1101111100010011011110011010111101011111,$   
 $s = 11011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100$   
 $110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $010111111$

470)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1011111000100110111100110101111010111111,$   
 $s = 10111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001$   
 $101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011110$   
 $101111111$

471)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1111100010011011110011010111101011111110,$   
 $s = 11111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110$   
 $111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010$   
 $111111101$



0100101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100  
011011111

- 483)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1011111011101010010110011111100011011111,$   
 $s = 101111101110101001011001111110001101111101111101111010100101100111111000110111110111110111010$   
 $1001011001111110001101111101111101111010100101100111111000110111110111110111010100101100111111000$   
 $110111111$
- 484)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1111101110101001011001111110001101111110,$   
 $s = 111110111010100101100111111000110111110111110111101010010110011111100011011111011111011101010$   
 $0101100111111000110111110111110111101010010110011111100011011111011111011101010010110011111100011$   
 $011111101$
- 485)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1111011101010010110011111100011011111101,$   
 $s = 1111011101010010110011111100011011111011111011110101001011001111110001101111101111101111010100$   
 $101100111111000110111110111110111010100101100111111000110111110111110111010100101100111111000110$   
 $111111011$
- 486)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1110111010100101100111111000110111111011,$   
 $s = 1110111010100101100111111000110111110111110111101010010110011111100011011111101111101110101001$   
 $011001111110001101111101111101111010100101100111111000110111111011111011110101001011001111110001101$   
 $111110111$
- 487)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1101110101001011001111110001101111110111,$   
 $s = 11011101010010110011111100011011111011111011110101001011001111110001101111110111110111101010010$   
 $11001111110001101111101111101111010100101100111111000110111111011111011101010010110011111100011011$   
 $111101111$
- 488)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1011101010010110011111100011011111101111,$   
 $s = 101110101001011001111110001101111110111110111101010010110011111100011011111101111101111010100101$   
 $1001111110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110111$   
 $111011111$
- 489)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1110101001011001111110001101111110111110,$   
 $s = 111010100101100111111000110111111011111011110101001011001111110001101111110111110111101010010110$   
 $0111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111$   
 $101111101$
- 490)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1101010010110011111100011011111101111101,$   
 $s = 110101001011001111110001101111110111110111101010010110011111100011011111101111101111010100101100$   
 $111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111$   
 $011111011$
- 491)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1010100101100111111000110111111011111011,$   
 $s = 101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001$   
 $111110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110111110$   
 $111110111$
- 492)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 101001011001111110001101111110111111011110,$   
 $s = 101001011001111110001101111110111110111101010010110011111100011011111101111101111010100101100111$   
 $111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111011$   
 $111011101$

- 493)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 100101100111111000110111110111110111010,$   
 $s = 10010110011111100011011111011111011101010010110011111100011011111011111011101010010110011111$   
 $1000110111110111101111011010010110011111100011011111011111011110101001011001111110001101111101111$   
 $101110101$
- 494)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1011001111110001101111110111110111010100,$   
 $s = 1011001111110001101111110111110111010100101100111111000110111110111110111101010010110011111100$   
 $0110111111011111011101010010110011111100011011111011111011110101001011001111110001101111101111101$   
 $110101001$
- 495)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1100111111000110111111011111011101010010,$   
 $s = 110011111100011011111101111101110101001011001111110001101111101111101110101001011001111110001$   
 $1011111101111101110101001011001111110001101111101111101111010100101100111111000110111110111110111$   
 $010100101$
- 496)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1001111110001101111110111110111010100101,$   
 $s = 1001111110001101111110111110111010100101100111111000110111110111110111101010010110011111100011$   
 $0111111011111011101010010110011111100011011111011111011110101001011001111110001101111101111101110$   
 $101001011$
- 497)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 11111100011011111101111101111010100101100111111000110111110111110111101010010110011111100011011$   
 $1111011111011110101001011001111110001101111101111101111010100101100111111000110111110111110101$   
 $001011001$
- 498)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 11111000110111111011111011110101001011001,$   
 $s = 11111000110111111011111011110101001011001111110001101111101111101111010100101100111111000110111$   
 $111011111011110101001011001111110001101111101111101111010100101100111111000110111110111101010$   
 $010110011$
- 499)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 111100011011111101111101111101010010110011,$   
 $s = 111100011011111101111101111101010010110011111100011011111011111011110101001011001111110001101111$   
 $110111110111101010010110011111100011011111011111011110101001011001111110001101111101111010100$   
 $101100111$
- 500)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 11100011011111101111101111010100101100111,$   
 $s = 11100011011111101111101111010100101100111111000110111110111110111101010010110011111100011011111$   
 $101111101110101001011001111110001101111101111101111010100101100111111000110111110111110101001$   
 $011001111$
- 501)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 1100011011111110111111011110101001011001111,$   
 $s = 11000110111111101111101111010100101100111111000110111110111110111101010010110011111100011011111$   
 $0111110111010100101100111111000110111110111110111101010010110011111100011011111011111011101010010$   
 $110011111$
- 502)  $n_m = 3, w = 136, L_{min} = 240, n_b = 5, n_d = 1,$   
 $b = 100011011111101111110111101010010110011111,$   
 $s = 10001101111110111111011110101001011001111110001101111101111101111010100101100111111000110111110$   
 $111110111101010010110011111100011011111011111011110101001011001111110001101111101111010100101$   
 $100111111$
- 503)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1101111001101011110101111110111111000100,$   
 $s = 110111100110101111010111111011111100010011011110011010111101011111101111100010011011110011010$

11110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110111  
1100010011

- 504)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $1010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011110$   
 $0010011011$
- 505)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 111001101011110101111110111110001001101,$   
 $s = 11100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $01011111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $0100110111$
- 506)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1100110101111010111111101111100010011011,$   
 $s = 110011010111101011111110111110001001101111001101011110101111110111110001001101111001101011110$   
 $101111111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $1001101111$
- 507)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1101011110101111111011111000100110111100,$   
 $s = 110101111010111111101111100010011011110011010111101011111101111100010011011110011010111101011$   
 $111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001$   
 $1011110011$
- 508)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 111101011111101111100010011011110011010,$   
 $s = 1111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111$   
 $1001101011$
- 509)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1110101111111011111000100110111100110101,$   
 $s = 11101011111110111110001001101111001101011110101111110111110001001101111001101011110101111110$   
 $111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111$   
 $0011010111$
- 510)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 110101111110111110001001101111001101011,$   
 $s = 11010111111011111000100110111100110101111010111111011111000100110111100110101111010111111101$   
 $111100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110$   
 $0110101111$
- 511)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $0111101011$
- 512)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $1111010111$
- 513)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $1110101111$



- 514)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1111011111000100110111100110101111010111,$   
 $s = 11110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001$   
 $001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011$   
 $1101011111$
- 515)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 11101111110001001101111001101011110101111,$   
 $s = 111011111100010011011110011010111101011111101111100010011011110011010111101011111101111100010$   
 $011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $1010111111$
- 516)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1101111110001001101111001101011110101111,$   
 $s = 110111111000100110111100110101111010111111011111000100110111100110101111010111111011111000100$   
 $110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $0101111111$
- 517)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 111110001001101111001101011110101111110,$   
 $s = 11111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110$   
 $111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010$   
 $1111111011$
- 518)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 111100010011011110011010111101011111101,$   
 $s = 11110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$   
 $111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011110101$   
 $1111110111$
- 519)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 111000100110111100110101111010111111011,$   
 $s = 11100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011$   
 $110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111101011$   
 $1111101111$
- 520)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 110001001101111001101011110101111110111,$   
 $s = 11000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111$   
 $100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010111$   
 $1111011111$
- 521)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1101111110111110111010100101100111111000,$   
 $s = 11011111101111101111010100101100111111000110111110111110111101010010110011111100011011111101111$   
 $101110101001011001111110001101111110111110111101010010110011111100011011111011110101001011001$   
 $1111100011$
- 522)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 11111101111101111010100101100111111000110,$   
 $s = 11111101111101111010100101100111111000110111111011111011110101001011001111110001101111110111101$   
 $110101001011001111110001101111110111110111101010010110011111100011011111011111011110101001011001111$   
 $1100011011$
- 523)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 11111011111011110101001011001111110001101,$   
 $s = 11111011111011110101001011001111110001101111110111110111101010010110011111100011011111011110111$   
 $101010010110011111100011011111101111101111010100101100111111000110111110111101010010110011111$   
 $1000110111$
- 524)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 11110111110111101010010110011111100011011,$   
 $s = 111101111101111010100101100111111100011011111101111101111010100101100111111000110111111011110111$

01010010110011111100011011111101111101110101001011001111110001101111110111110111010100101100111111  
0001101111

- 525)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1110111110111010100101100111111000110111,$   
 $s = 1110111110111010100101100111111000110111111011111011110101001011001111110001101111110111101110$   
 $1010010110011111100011011111011110111010100101100111111000110111110111101110101001011001111110$   
 $0011011111$
- 526)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1101111101110101001011001111110001101111,$   
 $s = 1101111101110101001011001111110001101111101111101111010100101100111111000110111111011111011101$   
 $01001011001111110001101111101111101111010100101100111111000110111111011111011101010010110011111100$   
 $0110111111$
- 527)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 111110111010100101100111111000110111110,$   
 $s = 11111011101010010110011111100011011111011111011110101001011001111110001101111110111110111101010$   
 $01011001111110001101111110111110111010100101100111111000110111111011111011101010010110011111100011$   
 $0111111011$
- 528)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 111101110101001011001111110001101111101,$   
 $s = 11110111010100101100111111000110111110111110111101010010110011111100011011111101111101111010100$   
 $10110011111100011011111101111011101010010110011111100011011111101111101111010100101100111111000110$   
 $1111110111$
- 529)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 111011101010010110011111100011011111011,$   
 $s = 111011101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001$   
 $0110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111110001101$   
 $1111101111$
- 530)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 110111010100101100111111000110111110111,$   
 $s = 110111010100101100111111000110111111011111011110101001011001111110001101111110111110111101010010$   
 $11001111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $1111011111$
- 531)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1110101001011001111110001101111110111110,$   
 $s = 1110101001011001111110001101111110111110111110101001011001111110001101111110111110111101010010110$   
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 $1011111011$
- 532)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1101010010110011111100011011111101111101,$   
 $s = 1101010010110011111100011011111101111101111101010010110011111100011011111101111101111010100101100$   
 $1111110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110111111$   
 $0111110111$
- 533)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 11001111110001101111110111110111101010010,$   
 $s = 110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111110001$   
 $10111111011111011110101001011001111110001101111101111101111010100101100111111000110111111011110111$   
 $0101001011$
- 534)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $111101111101111010100101100111111000110111111011111011110101001011001111110001101111110111101010$   
 $0010110011$

- 535)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 1111100011011111101111101110101001011001,$   
 $s = 1111100011011111101111101110101001011001111110001101111110111101110101001011001111110001101111$   
 $11101111101110101001011001111110001101111110111110111101010010110011111100011011111101111011101010$   
 $0101100111$
- 536)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 11110001101111110111110111101010010110011,$   
 $s = 1111000110111111011110111010100101100111111000110111111011111011110101001011001111110001101111$   
 $110111110111010100101100111111000110111111011111011110101001011001111110001101111110111110111010100$   
 $1011001111$
- 537)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 11100011011111101111101111010100101100111,$   
 $s = 111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111$   
 $10111110111101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001$   
 $0110011111$
- 538)  $n_m = 3, w = 137, L_{min} = 241, n_b = 5, n_d = 2,$   
 $b = 110001101111111011111011110101001011001111,$   
 $s = 110001101111111011111011110101001011001111110001101111110111110111101010010110011111100011011111$   
 $01111101111010100101100111111000110111111011111011110101001011001111110001101111110111110111101010010$   
 $1100111111$
- 539)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $101011111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $00100110111$
- 540)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 11100110101111101011111110111110001001101,$   
 $s = 1110011010111110101111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $01011111110111110001001101111001101011111010111111011111000100110111100110101111101011111101111100$   
 $01001101111$
- 541)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1111010111111101111100010011011110011010,$   
 $s = 11110101111111011111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $0111110001001101111001101011110101111110111110001001101111001101011111010111111011111000100110111$   
 $10011010111$
- 542)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1110101111111011111000100110111100110101,$   
 $s = 111010111111101111100010011011110011010111110101111110111110001001101111001101011110101111110$   
 $1111100010011011110011010111101011111101111100010011011110011010111110101111110111110001001101111$   
 $00110101111$
- 543)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 111111101111110001001101111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $01111010111$
- 544)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $11110101111$
- 545)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 111110111110001001101111001101011110101111110111110001001101111001101011111010111111011111000$

100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101  
11101011111

- 546)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1111011111000100110111100110101111010111,$   
 $s = 11110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001$   
 $00110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $11010111111$
- 547)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 11101111110001001101111001101011110101111,$   
 $s = 111011111100010011011110011010111101011111101111100010011011110011010111101011111101111100010$   
 $011011111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011$   
 $10101111111$
- 548)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 111110001001101111001101011110101111110,$   
 $s = 11111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110$   
 $111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010$   
 $11111110111$
- 549)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1111000100110111100110101111010111111101,$   
 $s = 11110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$   
 $111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011110101$   
 $11111101111$
- 550)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1110001001101111001101011110101111111011,$   
 $s = 11100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011$   
 $11001101011110101111110111110001001101111001101011110101111110111110001001101111001101011110101$   
 $11111011111$
- 551)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 1111110111110111010100101100111111000110111111011111011111011110101001011001111110001101111101111101$   
 $1101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111$   
 $11000110111$
- 552)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 11111011111011101010010110011111100011011111011111011110111101010010110011111100011011111011111011$   
 $1010100101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111$   
 $10001101111$
- 553)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 11110111110111101010010110011111100011011,$   
 $s = 11110111110111101010010110011111100011011111101111101111101111010100101100111111000110111110111110111$   
 $010100101100111111000110111111011111011110101001011001111110001101111101111101111010100101100111111$   
 $00011011111$
- 554)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 1110111110111010100101100111111000110111,$   
 $s = 1110111110111010100101100111111000110111111011111011111011110101001011001111110001101111101111101110$   
 $10100101100111111000110111110111110111101010010110011111100011011111011111011110101001011001111110$   
 $00110111111$
- 555)  $n_m = 3, w = 138, L_{min} = 242, n_b = 5, n_d = 3,$   
 $b = 11111011110101001011001111110001101111110,$   
 $s = 1111101111010100101100111111000110111111011111011110101001011001111110001101111110111110111101010$   
 $0101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011$   
 $01111110111$

- [illegible]

010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010  
111101011111

567)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $10011011110011010111101011111101111000100110111100110101111010111111011111000100110111100110101$   
 $111010111111$

568)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 1111011111000100110111100110101111010111,$   
 $s = 11110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001$   
 $001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011$   
 $110101111111$

569)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 111110001001101111001101011110101111110,$   
 $s = 11111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110$   
 $111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010$   
 $111111101111$

570)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 1111000100110111100110101111010111111101,$   
 $s = 11110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$   
 $111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011110101$   
 $111111011111$

571)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111100011011111101111101111011101010010110011111100011011111101111101$   
 $110101001011001111110001101111110111110111101010010110011111100011011111101111101110101001011001111$   
 $110001101111$

572)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 1111101111101110101001011001111110001101111110111110111101110101001011001111110001101111110111110111$   
 $101010010110011111100011011111101111101111010100101100111111000110111111011111011101010010110011111$   
 $100011011111$

573)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 1111011111011101010010110011111100011011,$   
 $s = 111101111101110101001011001111110001101111110111110111101110101001011001111110001101111110111110111$   
 $010100101100111111000110111111011111011110101001011001111110001101111110111110111010100101100111111$   
 $000110111111$

574)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 1111101110101001011001111110001101111110,$   
 $s = 111110111010100101100111111000110111111011111011110111010100101100111111000110111111011111011101010$   
 $010110011111100011011111101111101110101001011001111110001101111110111110111010100101100111111100011$   
 $011111101111$

575)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 1111011101010010110011111100011011111101,$   
 $s = 111101110101001011001111110001101111110111110111101110101001011001111110001101111110111110111010100$   
 $10110011111100011011111101111101110101001011001111110001101111110111110111010100101100111111000110$   
 $111111011111$

576)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $111101111101110101001011001111110001101111110111110111101110101001011001111110001101111101110101$   
 $001011001111$

- 577)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 1111100011011111101111101110101001011001,$   
 $s = 1111100011011111101111101110101001011001111110001101111110111110111010100101100111111000110111$   
 $11101111101110101001011001111110001101111110111110111101010010110011111100011011111101111011010$   
 $010110011111$
- 578)  $n_m = 3, w = 139, L_{min} = 243, n_b = 5, n_d = 4,$   
 $b = 11110001101111110111110111101010010110011,$   
 $s = 11110001101111110111110111101010010110011111100011011111101111101110101001011001111110001101111$   
 $1101111101110101001011001111110001101111110111110111101010010110011111100011011111101111101110100$   
 $101100111111$
- 579)  $n_m = 3, w = 140, L_{min} = 244, n_b = 5, n_d = 5,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $0111101011111$
- 580)  $n_m = 3, w = 140, L_{min} = 244, n_b = 5, n_d = 5,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 111111011111000100110111100110101111010111111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $1111010111111$
- 581)  $n_m = 3, w = 140, L_{min} = 244, n_b = 5, n_d = 5,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $1110101111111$
- 582)  $n_m = 3, w = 140, L_{min} = 244, n_b = 5, n_d = 5,$   
 $b = 1111100010011011110011010111101011111110,$   
 $s = 111110001001101111001101011110101111111011111000100110111100110101111010111111011111000100110$   
 $1111001101011111010111111011111000100110111100110101111010111111011111000100110111100110101111010$   
 $1111111011111$
- 583)  $n_m = 3, w = 140, L_{min} = 244, n_b = 5, n_d = 5,$   
 $b = 11111101111101111010100101100111111000110,$   
 $s = 111111011111011110101001011001111110001101111110111110111101010010110011111100011011111101111101$   
 $1101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111$   
 $1100011011111$
- 584)  $n_m = 3, w = 140, L_{min} = 244, n_b = 5, n_d = 5,$   
 $b = 11111011111011110101001011001111110001101,$   
 $s = 11111011111011110101001011001111110001101111110111110111101110101001011001111110001101111101111011$   
 $1010100101100111111000110111111011111011110101001011001111110001101111110111101010010110011111$   
 $1000110111111$
- 585)  $n_m = 3, w = 140, L_{min} = 244, n_b = 5, n_d = 5,$   
 $b = 11111011110101001011001111110001101111110,$   
 $s = 11111011110101001011001111110001101111110111110111101110101001011001111110001101111110111101010$   
 $0101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011$   
 $0111111011111$
- 586)  $n_m = 3, w = 140, L_{min} = 244, n_b = 5, n_d = 5,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $1111011111011101010010110011111100011011111101111101111010100101100111111000110111111011110101$   
 $0010110011111$
- 587)  $n_m = 3, w = 140, L_{min} = 244, n_b = 5, n_d = 5,$   
 $b = 111110001101111111011111011110101001011001,$   
 $s = 1111100011011111110111110111101010010110011111100011011111101111101111010100101100111111000110111$

111011111011101010010110011111100011011111011111011110111010100101100111111000110111111011111011101010  
0101100111111

- 588)  $n_m = 3, w = 141, L_{min} = 245, n_b = 5, n_d = 6,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $01111010111111$
- 589)  $n_m = 3, w = 141, L_{min} = 245, n_b = 5, n_d = 6,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $11110101111111$
- 590)  $n_m = 3, w = 141, L_{min} = 245, n_b = 5, n_d = 6,$   
 $b = 11111101111101111010100101100111111000110,$   
 $s = 111111011111011110101001011001111110001101111110111110111101010010110011111100011011111101111101$   
 $110101001011001111110001101111110111110111101010010110011111100011011111011111011110101001011001111$   
 $11000110111111$
- 591)  $n_m = 3, w = 141, L_{min} = 245, n_b = 5, n_d = 6,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $11110111110111010100101100111111000110111110111110111101010010110011111100011011111101111101110101$   
 $00101100111111$
- 592)  $n_m = 3, w = 142, L_{min} = 246, n_b = 5, n_d = 7,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $0111101011111111$
- 593)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 10111111101111110001001101111001101011110,$   
 $s = 101111111011111100010011011110011010111101011111101111100010011011110011010111101011111101111$   
 $100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $010111101011111111$
- 594)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $0111101011111101$
- 595)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $1111010111111011$
- 596)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $1110101111110111$
- 597)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 11110111111000100110111100110101111010111,$   
 $s = 111101111110001001101111001101011110101111110111110001001101111001101011110101111110111110001$   
 $001101111100110101111010111111011111000100110111100110101111101111110001001101111001101011$   
 $1101011111101111$



- 598)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 1110111110001001101111001101011110101111,$   
 $s = 11101111100010011011110011010111101011111101111100010011011110011010111101011111101111100010$   
 $011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $1010111111011111$
- 599)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 1101111110111110111010100101100111111000,$   
 $s = 11011111101111101110101001011001111110001101111110111110111101110101001011001111110001101111101111$   
 $10111010100101100111111000110111110111110111101010010110011111100011011111011111011110101001011001$   
 $11111000110111111$
- 600)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111100011011111101111101111011101010010110011111100011011111101111101$   
 $1101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111$   
 $11000110111111011$
- 601)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 11111011111101110101001011001111110001101,$   
 $s = 11111011111101110101001011001111110001101111110111110111101110101001011001111110001101111110111110111$   
 $1010100101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111$   
 $10001101111110111$
- 602)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 1111011111011101010010110011111100011011,$   
 $s = 111101111101110101001011001111110001101111110111110111101110101001011001111110001101111110111110111$   
 $0101001011001111110001101111110111110111101010010110011111100011011111101111101111010100101100111111$   
 $00011011111101111$
- 603)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 1110111110111010100101100111111000110111,$   
 $s = 111011111011101010010110011111100011011111101111101111011101010010110011111100011011111101111101110$   
 $1010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111110$   
 $00110111111011111$
- 604)  $n_m = 3, w = 143, L_{min} = 248, n_b = 5, n_d = 9,$   
 $b = 1111101111010100101100111111000110111110,$   
 $s = 1111101111010100101100111111000110111111011111011110111010100101100111111000110111111011111011101010$   
 $0101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011$   
 $01111110111110111$
- 605)  $n_m = 3, w = 144, L_{min} = 249, n_b = 5, n_d = 10,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $0010011011110011010111101011111101111100010011011110011010111101011111101111100010011011111001101$   
 $01111010111111011$
- 606)  $n_m = 3, w = 144, L_{min} = 249, n_b = 5, n_d = 10,$   
 $b = 11111101111110001001101111001101011110101,$   
 $s = 111111011111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $11110101111110111$
- 607)  $n_m = 3, w = 144, L_{min} = 249, n_b = 5, n_d = 10,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $11101011111101111$
- 608)  $n_m = 3, w = 144, L_{min} = 249, n_b = 5, n_d = 10,$   
 $b = 11110111111000100110111100110101111010111,$   
 $s = 11110111111000100110111100110101111110111111011111000100110111100110101111101011111110111110001$

0011011110011010111110101111110111110001001101111001101011110101111110111110001001101111001101011  
1101011111101111

- 609)  $n_m = 3, w = 144, L_{min} = 249, n_b = 5, n_d = 10,$   
 $b = 11111101111101110101001011001111110001110,$   
 $s = 111111011111011101010010110011111100011011111011111011101010010110011111100011011111101111101$   
 $11010100101100111111000110111111011111011101010010110011111100011011111101111101110101001011001111$   
 $110001101111110111$
- 610)  $n_m = 3, w = 144, L_{min} = 249, n_b = 5, n_d = 10,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 111110111110111010100101100111111000110111111011111011110111010100101100111111000110111111011111011$   
 $101010010110011111100011011111101111101111010100101100111111000110111111011111011101010010110011111$   
 $100011011111101111$
- 611)  $n_m = 3, w = 144, L_{min} = 249, n_b = 5, n_d = 10,$   
 $b = 11110111111011101010010110011111100011011,$   
 $s = 111101111110111010100101100111111000110111111011111011110101001011001111110001101111110111110111$   
 $0101001011001111110001101111110111110111101010010110011111100011011111101111101111010100101100111111$   
 $000110111111011111$
- 612)  $n_m = 3, w = 145, L_{min} = 250, n_b = 5, n_d = 11,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $011110101111110111$
- 613)  $n_m = 3, w = 145, L_{min} = 250, n_b = 5, n_d = 11,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $111101011111101111$
- 614)  $n_m = 3, w = 145, L_{min} = 250, n_b = 5, n_d = 11,$   
 $b = 11111011111100010011011110011010111101011,$   
 $s = 111110111111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $111010111111101111$
- 615)  $n_m = 3, w = 145, L_{min} = 250, n_b = 5, n_d = 11,$   
 $b = 11111101111101110101001011001111110001110,$   
 $s = 11111101111101110101001011001111110001101111110111110111101010010110011111100011011111101111101$   
 $1101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111$   
 $1100011011111101111$
- 616)  $n_m = 3, w = 145, L_{min} = 250, n_b = 5, n_d = 11,$   
 $b = 11111011111101110101001011001111110001101,$   
 $s = 111110111111011101010010110011111100011011111101111101111010100101100111111000110111111011111011$   
 $101010010110011111100011011111101111101111010100101100111111000110111110111110111101010010110011111$   
 $100011011111101111$
- 617)  $n_m = 3, w = 146, L_{min} = 251, n_b = 5, n_d = 12,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $0111101011111101111$
- 618)  $n_m = 3, w = 146, L_{min} = 251, n_b = 5, n_d = 12,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $11111010111111011111$



10111010100101100111111000110111111011111011101010010110011111100011011111101111101110101001011001  
11111000110111111011111011

- 630)  $n_m = 3, w = 150, L_{min} = 257, n_b = 5, n_d = 18,$   
 $b = 101111101111101110101001011001111110001,$   
 $s = 10111110111110111010100101100111111000110111110111110111010100101100111111000110111111011111$   
 $011101010010110011111100011011111011111011101010010110011111100011011111101111011101010010110011$   
 $1111000110111110111110111$
- 631)  $n_m = 3, w = 150, L_{min} = 257, n_b = 5, n_d = 18,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111100011011111101111101111011101010010110011111100011011111101111101$   
 $1101010010110011111100011011111011111011101010010110011111100011011111101111101110101001011001111$   
 $1100011011111011111011101$
- 632)  $n_m = 3, w = 151, L_{min} = 258, n_b = 5, n_d = 19,$   
 $b = 1111010111111101111100010011011110011010,$   
 $s = 1111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111$   
 $10011010111101011111101111$
- 633)  $n_m = 3, w = 151, L_{min} = 258, n_b = 5, n_d = 19,$   
 $b = 1110101111111011111000100110111100110101,$   
 $s = 1110101111111011111000100110111100110101111101011111101111100010011011110011010111110101111110$   
 $111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111$   
 $00110101111010111111011111$
- 634)  $n_m = 3, w = 151, L_{min} = 258, n_b = 5, n_d = 19,$   
 $b = 1101111110111110111010100101100111111000,$   
 $s = 1101111110111110111010100101100111111000110111110111110111101010010110011111100011011111101111$   
 $101110101001011001111110001101111101111101111010100101100111111000110111111011111011110101001011001$   
 $111110001101111110111110111$
- 635)  $n_m = 3, w = 152, L_{min} = 259, n_b = 5, n_d = 20,$   
 $b = 1111010111111101111100010011011110011010,$   
 $s = 11110101111111011111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111$   
 $100110101111010111111011111$
- 636)  $n_m = 3, w = 153, L_{min} = 261, n_b = 5, n_d = 22,$   
 $b = 1011110101111111011111000100110111100110,$   
 $s = 10111101011111110111110001001101111001101011111010111111011111000100110111100110101111101011111$   
 $110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$   
 $11100110101111010111111011111$
- 637)  $n_m = 3, w = 154, L_{min} = 263, n_b = 5, n_d = 24,$   
 $b = 1101011110101111111011111000100110111100,$   
 $s = 110101111010111111101111100010011011110011010111101011111101111100010011011110011010111101011$   
 $111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001$   
 $10111100110101111010111111011111$
- 638)  $n_m = 3, w = 154, L_{min} = 263, n_b = 5, n_d = 24,$   
 $b = 1010111101011111110111110001001101111001,$   
 $s = 1010111101011111110111110001001101111001101011111010111111011111000100110111100110101111010111$   
 $11110111110001001101111001101011111010111111011111000100110111100110101111101011111101111100010011$   
 $0111100110101111010111111011111$
- 639)  $n_m = 3, w = 154, L_{min} = 263, n_b = 5, n_d = 24,$   
 $b = 111111000110111111101111101111010100101100,$   
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $1111011111101010010110011111100011011111101111101111010100101100111111000110111111011110101$   
 $00101100111111000110111111011111$

- [illegible]

- 11110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110111  
1100010011011110011010111101011111101111
- 651)  $n_m = 3, w = 162, L_{min} = 276, n_b = 5, n_d = 37,$   
 $b = 100110111100110101111010111111011111000,$   
 $s = 10011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $01011110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110$   
 $1111100010011011110011010111101011111101111$
- 652)  $n_m = 3, w = 162, L_{min} = 276, n_b = 5, n_d = 37,$   
 $b = 11011111101111101111010100101100111111000,$   
 $s = 1101111110111110111101010010110011111100011011111011111011110101001011001111110001101111101111$   
 $101110101001011001111110001101111101111101111010100101100111111000110111111011111011110101001011001$   
 $111110001101111110111110111101010010110011111$
- 653)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 10011011110011010111101011111110111111000,$   
 $s = 10011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $01011110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110$   
 $111110001001101111001101011110101111110111110001$
- 654)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 11011110011010111101011111110111111000100,$   
 $s = 1101111001101011110101111111011111000100110111100110101111010111111101111100010011011110011010$   
 $1111010111111011111000100110111100110101111010111111101111100010011011110011010111110101111110111$   
 $1100010011011111001101011110101111110111110001001$
- 655)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 10111100110101111010111111101111110001001,$   
 $s = 101111001101011110101111111011111000100110111100110101111010111111011111000100110111100110101$   
 $111010111111011111000100110111100110101111010111111011111000100110111100110101111101011111101111$   
 $100010011011110011010111101011111101111100010011$
- 656)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 111100110101111101011111110111111000100110,$   
 $s = 11110011010111110101111111011111000100110111100110101111010111111101111100010011011110011010111$   
 $1010111111101111100010011011110011010111101011111101111100010011011110011010111110101111110111110$   
 $001001101111001101011110101111110111110001001101$
- 657)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 111001101011111010111111101111110001001101,$   
 $s = 1110011010111110101111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $0101111111011111000100110111100110101111010111111011111000100110111100110101111101011111101111100$   
 $010011011110011010111101011111101111100010011011$
- 658)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1100110101111010111111101111100010011011,$   
 $s = 110011010111101011111110111110001001101111001101011110101111110111110001001101111001101011110$   
 $101111111011111100010011011110011010111101011111101111100010011011110011010111111011111000$   
 $100110111100110101111010111111011111000100110111$
- 659)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1001101011110101111111011111000100110111,$   
 $s = 100110101111010111111101111100010011011110011010111101011111101111100010011011110011010111101$   
 $0111111101111100010011011110011010111101011111101111100010011011110011010111110101111110111110001$   
 $001101111001101011110101111110111110001001101111$
- 660)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 110101111010111111110111111000100110111100,$   
 $s = 1101011110101111111101111100010011011110011010111101011111101111100010011011110011010111101011$   
 $111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001$   
 $101111001101011110101111110111110001001101111001$

- 55

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- 10011111100011011111101111101110101001011001111110001101111110111110111010100101100111111000110111  
1110111110111010100101100111111000110111111011111
- 693)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1110101001011001111110001101111110111110,$   
 $s = 1110101001011001111110001101111110111110111010100101100111111000110111111011111011101010010110$   
 $01111110001101111110111110111010100101100111111000110111111011111011101010010110011111100011011111$   
 $1011111011101010010110011111100011011111101111101$
- 694)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1101010010110011111100011011111101111101,$   
 $s = 110101001011001111110001101111110111110111101010010110011111100011011111101111101111010100101100$   
 $11111110001101111110111110111010100101100111111000110111111011111011101010010110011111100011011111$   
 $0111110111010100101100111111000110111111011111011$
- 695)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1010100101100111111000110111111011111011,$   
 $s = 10101001011001111110001101111110111110111010100101100111111000110111111011111011110101001011001$   
 $1111100011011111101111101110101001011001111110001101111110111110111010100101100111111000110111110$   
 $1111101110101001011001111110001101111110111110111$
- 696)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1010010110011111100011011111101111101110,$   
 $s = 101001011001111110001101111110111110111101010010110011111100011011111101111101111010100101100111$   
 $1110001101111110111110111010100101100111111000110111111011111011111011101010010110011111100011011111011$   
 $1110111010100101100111111000110111111011111011101$
- 697)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1001011001111110001101111110111110111010,$   
 $s = 10010110011111100011011111101111101110101001011001111110001101111110111110111101010010110011111$   
 $1000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111101111$   
 $10111010100101100111111000110111111011111011110101$
- 698)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 101100111111000110111111011111101111010100,$   
 $s = 101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100$   
 $01101111111011111011101010010110011111100011011111101111101111101110101001011001111110001101111110111101$   
 $110101001011001111110001101111110111110111101110101001$
- 699)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1100111111000110111111011111101111101010010,$   
 $s = 110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111110001$   
 $1011111101111101111010100101100111111000110111111011111011110101001011001111110001101111110111110111$   
 $0101001011001111110001101111110111110111110111010100101$
- 700)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 100111111100011011111101111110111110111010100101,$   
 $s = 10011111110001101111110111111011110101001011001111110001101111110111110111101010010110011111100011$   
 $011111101111101110101001011001111110001101111110111110111101010010110011111100011011111101111101110$   
 $1010010110011111100011011111101111101111101110101001011$
- 701)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 111111000110111111011111101111010100101100,$   
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $11110111110111101010010110011111100011011111101111101111010100101100111111000110111111011110101$   
 $00101100111111000110111111011111011110101001011001$
- 702)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1111100011011111110111111011110101001011001,$   
 $s = 1111100011011111110111110111101010010110011111100011011111101111101111010100101100111111000110111$   
 $11101111101111010100101100111111000110111111011111011110101001011001111110001101111110111101010$   
 $01011001111110001101111110111110111101010010110011$

- 703)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1111000110111111011111011101010010110011,$   
 $s = 111100011011111101111101110101001011001111110001101111101111101110101001011001111110001101111$   
 $11011111011101010010110011111100011011111011111011101010010110011111100011011111011110111010100$   
 $101100111111000110111110111110111010100101100111$
- 704)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1110001101111110111110111010100101100111,$   
 $s = 1110001101111110111110111010100101100111111000110111110111110111101010010110011111100011011111$   
 $10111110111010100101100111111000110111110111110111010100101100111111000110111110111101110101001$   
 $011001111110001101111101111101110101001011001111$
- 705)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 1100011011111011111011110101001011001111,$   
 $s = 1100011011111011111011110101001011001111110001101111101111101111010100101100111111000110111111$   
 $01111101110101001011001111110001101111101111101111010100101100111111000110111110111110111101010010$   
 $1100111111000110111110111110111101010010110011111$
- 706)  $n_m = 3, w = 163, L_{min} = 280, n_b = 6, n_d = 1,$   
 $b = 10001101111110111110111101010010110011111,$   
 $s = 10001101111110111110111101010010110011111100011011111011111011110101001011001111110001101111110$   
 $1111101111010100101100111111000110111110111110111101010010110011111100011011111011110111010100101$   
 $10011111100011011111101111101111010100101100111111$
- 707)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 110111100110101111010111111011111000100,$   
 $s = 11011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $11110101111110111100010011011110011010111101011111101111100010011011110011010111110101111110111$   
 $1100010011011110011010111101011111101111100010011$
- 708)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $1010111111101111100010011011110011010111101011111101111100010011011110011010111110101111110111110$   
 $0010011011110011010111101011111101111100010011011$
- 709)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1110011010111101011111110111110001001101,$   
 $s = 11100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111$   
 $0101111111011111000100110111100110101111010111111011111000100110111100110101111101011111101111100$   
 $0100110111100110101111010111111011111000100110111$
- 710)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1100110101111010111111101111100010011011,$   
 $s = 110011010111101011111110111110001001101111001101011110101111110111110001001101111001101011110$   
 $1011111110111111000100110111100110101111010111111011111000100110111100110101111110111111000$   
 $1001101111001101011110101111110111110001001101111$
- 711)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 11010111101011111111011111000100110111100,$   
 $s = 1101011110101111111101111100010011011110011010111101011111101111100010011011110011010111101011$   
 $111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001$   
 $1011110011010111101011111101111100010011011110011$
- 712)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 11110101111111011111100010011011110011010,$   
 $s = 111101011111110111111000100110111100110101111010111111011111000100110111100110101111010111111$   
 $011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111$   
 $1001101011110101111110111110001001101111001101011$
- 713)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1110101111111011111000100110111100110101,$   
 $s = 1110101111111011111000100110111100110101111101011111101111100010011011110011010111110101111110$

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- 724)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 110001001101111001101011110101111110111,$   
 $s = 11000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111$   
 $100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010111$   
 $1111011111000100110111100110101111010111111011111$
- 725)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 110111110111110111010100101100111111000,$   
 $s = 1101111101111101110101001011001111110001101111110111110111101010010110011111100011011111101111$   
 $10111010100101100111111000110111111011111011101010010110011111100011011111101111101110101001011001$   
 $11111000110111111011111011101010010110011111100011$
- 726)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 111111011110111010100101100111111000110,$   
 $s = 11111101111011101010010110011111100011011111101111101111011101010010110011111100011011111101111101$   
 $1101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111$   
 $11000110111111011111011101010010110011111100011011$
- 727)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 1111101111101110101001011001111110001101111110111110111101110101001011001111110001101111110111110111$   
 $1010100101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111$   
 $100011011111101111101111010100101100111111000110111$
- 728)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1111011111011101010010110011111100011011,$   
 $s = 111101111101110101001011001111110001101111110111110111101110101001011001111110001101111110111110111$   
 $010100101100111111000110111110111110111101010010110011111100011011111101111101111010100101100111111$   
 $00011011111101111101110101001011001111110001101111$
- 729)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1110111110111010100101100111111000110111,$   
 $s = 111011111011101010010110011111100011011111101111101111011101010010110011111100011011111101111101110$   
 $1010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111110$   
 $001101111110111110111101010010110011111100011011111$
- 730)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1101111101110101001011001111110001101111,$   
 $s = 110111110111010100101100111111000110111111011111011110101001011001111110001101111110111110111101$   
 $0100101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100$   
 $011011111101111101111010100101100111111000110111111$
- 731)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 11111011110101001011001111110001101111110,$   
 $s = 111110111101010010110011111100011011111101111101111011101010010110011111100011011111101111101010$   
 $0101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011$   
 $011111101111101111010100101100111111000110111111011$
- 732)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1111011101010010110011111100011011111101,$   
 $s = 1111011101010010110011111100011011111101111101111011101010010110011111100011011111101111101111010100$   
 $1011001111110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110$   
 $11111101111101110101001011001111110001101111110111$
- 733)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1110111010100101100111111000110111111011,$   
 $s = 1110111010100101100111111000110111111011111011111011110101001011001111110001101111110111110101001$   
 $0110011111100011011111101111101111101111010100101100111111000110111111011111011110101001011001111110001101$   
 $1111101111110111101010010110011111100011011111101111$
- 734)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1101110101001011001111110001101111110111,$   
 $s = 110111010100101100111111000110111111011111011110101001011001111110001101111110111110111101010010$

110011111100011011111101111101110101001011001111110001101111110111110111101010010110011111100011011  
11110111110111010100101100111111000110111111011111

735)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1110101001011001111110001101111110111110,$   
 $s = 1110101001011001111110001101111110111110111101010010110011111100011011111011111011101010010110$   
 $011111100011011111011111011101010010110011111100011011111011111011101010010110011111100011011111$   
 $1011111011101010010110011111100011011111011111011111011$

736)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 1101010010110011111100011011111101111101,$   
 $s = 110101001011001111110001101111110111110111101010010110011111100011011111101111101111010100101100$   
 $1111110001101111110111110111010100101100111111000110111111011111011101010010110011111100011011111$   
 $01111101110101001011001111110001101111110111110111$

737)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 110011111100011011111101111101111101010010,$   
 $s = 110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111110001$   
 $101111110111110111010100101100111111000110111111011111011110101001011001111110001101111110111110111$   
 $010100101100111111000110111111011111011110101001011$

738)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $1111011111011101010010110011111100011011111101111101111010100101100111111000110111111011110101$   
 $001011001111110001101111110111110111101010010110011$

739)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 11111000110111111011111011110101001011001,$   
 $s = 111110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110111$   
 $11101111101111010100101100111111000110111111011111011110101001011001111110001101111110111101010$   
 $010110011111100011011111101111101111010100101100111$

740)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 111100011011111101111101111101010010110011,$   
 $s = 1111000110111111011111011111010100101100111111000110111111011111011110101001011001111110001101111$   
 $11011111011110101001011001111110001101111110111110111101010010110011111100011011111101111010100$   
 $1011001111110001101111110111110111101010010110011111100011011111101111101111010100$

741)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 11100011011111101111101111010100101100111,$   
 $s = 111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111$   
 $10111110111101010010110011111100011011111101111101111010100101100111111000110111111011110101001$   
 $011001111110001101111110111110111101010010110011111$

742)  $n_m = 3, w = 164, L_{min} = 281, n_b = 6, n_d = 2,$   
 $b = 11000110111111011111011110101001011001111,$   
 $s = 110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110111111$   
 $01111101110101001011001111110001101111110111110111101010010110011111100011011111101111101010010$   
 $110011111100011011111101111101111010100101100111111$

743)  $n_m = 3, w = 165, L_{min} = 282, n_b = 6, n_d = 3,$   
 $b = 1111001101011111010111111011111000100110,$   
 $s = 1111001101011111010111111011111000100110111100110101111101011111101111100010011011110011010111$   
 $101011111110111110001001101111001101011111010111111011111000100110111100110101111110111110111110$   
 $00100110111100110101111010111111011111000100110111$

744)  $n_m = 3, w = 165, L_{min} = 282, n_b = 6, n_d = 3,$   
 $b = 11100110101111101011111110111110001001101,$   
 $s = 11100110101111101011111110111110001001101111001101011111010111111011111000100110111100110101111$   
 $010111111101111100010011011110011010111110101111110111110001001101111001101011111101111101111100$   
 $010011011110011010111110101111110111110001001101111$

63





- 766)  $n_m = 3, w = 165, L_{min} = 282, n_b = 6, n_d = 3,$   
 $b = 1110001101111110111110111010100101100111,$   
 $s = 11100011011111101111101110101001011001111110001101111101111101111011101010010110011111100011011111$   
 $1011111011101010010110011111100011011111011111011101010010110011111100011011111011111011110101001$   
 $01100111111000110111110111110111010100101100111111$
- 767)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 1111001101011110101111110111110001001101111001101011110101111101111100010011011110011010111$   
 $10101111110111100010011011110011010111101011111011111000100110111100110101111010111110111110$   
 $001001101111001101011110101111110111110001001101111$
- 768)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 111101011111101111100010011011110011010,$   
 $s = 111101011111101111100010011011110011010111101011111011111000100110111100110101111010111111$   
 $011111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110111$   
 $10011010111101011111011111000100110111100110101111$
- 769)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 111111011111000100110111100110101111010111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $011110101111110111110001001101111001101011110101111$
- 770)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $111101011111101111100010011011110011010111101011111$
- 771)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $10011011110011010111101011111101111100010011011110011010111110111111000100110111100110101$   
 $111010111111011111000100110111100110101111010111111$
- 772)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 11110111111000100110111100110101111010111,$   
 $s = 111101111110001001101111001101011110101111110111110001001101111001101011110101111110111110001$   
 $001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011$   
 $110101111110111110001001101111001101011110101111111$
- 773)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 111110001001101111001101011110101111110,$   
 $s = 11111000100110111100110101111010111111011111000100110111100110101111010111111011111000100110$   
 $111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101111010$   
 $111111101111100010011011110011010111101011111101111$
- 774)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 111100010011011110011010111101011111101,$   
 $s = 11110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101$   
 $111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011110101$   
 $111111011111000100110111100110101111010111111011111$
- 775)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111110001101111110111110111101010010110011111100011011111101111101$   
 $1101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111$   
 $1100011011111101111101110101001011001111110001101111$
- 776)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 11111011111011110101001011001111110001101,$   
 $s = 11111011111011110101001011001111110001101111110111110111101010010110011111100011011111011111011$

10101001011001111110001101111110111110111010100101100111111000110111111011111011101010010110011111  
100011011111101111101111101010010110011111100011011111

- 777)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 1111011111011101010010110011111100011011,$   
 $s = 11110111110111010100101100111111000110111111011111011110111010100101100111111000110111110111110111$   
 $0101001011001111110001101111101111101110101001011001111110001101111101111011101010010110011111$   
 $0001101111101111011101010010110011111100011011111$
- 778)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 11111011110101001011001111110001101111110,$   
 $s = 111110111101010010110011111100011011111011111011110111010100101100111111000110111111011111011101010$   
 $01011001111110001101111110111110111010100101100111111000110111111011111011101010010110011111100011$   
 $0111111011111011101010010110011111100011011111101111$
- 779)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 111101111010100101100111111100011011111101,$   
 $s = 1111011110101001011001111110001101111101111101111011101010010110011111100011011111101111101111010100$   
 $1011001111110001101111101111101110101001011001111110001101111110111110111010100101100111111000110$   
 $11111101111101110101001011001111110001101111101111$
- 780)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $11110111110111010100101100111111000110111110111110111101010010110011111100011011111101111010101$   
 $00101100111111000110111111011111011110101001011001111$
- 781)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 111110001101111111011111011110101001011001,$   
 $s = 1111100011011111110111110111101010010110011111100011011111101111101111010100101100111111000110111$   
 $111011111101110101001011001111110001101111110111110111101010010110011111100011011111101111010101$   
 $01011001111110001101111110111110111101010010110011111$
- 782)  $n_m = 3, w = 166, L_{min} = 283, n_b = 6, n_d = 4,$   
 $b = 111100011011111110111110111101010010110011,$   
 $s = 1111000110111111101111101111010100101100111111000110111111011111011110101001011001111110001101111$   
 $11011111101110101001011001111110001101111110111110111101010010110011111100011011111101111101110100$   
 $10110011111100011011111101111101111010100101100111111$
- 783)  $n_m = 3, w = 167, L_{min} = 284, n_b = 6, n_d = 5,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $0010011011110011010111101011111101111100010011011110011010111110101111110111110001001101111001101$   
 $01111010111111101111100010011011110011010111101011111$
- 784)  $n_m = 3, w = 167, L_{min} = 284, n_b = 6, n_d = 5,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011111101011111101111100$   
 $0100110111100110101111010111111011111000100110111100110101111101011111101111100010011011110011010$   
 $1111010111111011111000100110111100110101111010111111$
- 785)  $n_m = 3, w = 167, L_{min} = 284, n_b = 6, n_d = 5,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 111110111110001001101111001101011110101111110111110001001101111001101011111010111111011111000$   
 $1001101111001101011110101111110111110001001101111001101011110101111110111111011111000100110111100110101$   
 $1110101111110111110001001101111001101011110101111111$
- 786)  $n_m = 3, w = 167, L_{min} = 284, n_b = 6, n_d = 5,$   
 $b = 1111100010011011110011010111101011111110,$   
 $s = 11111000100110111100110101111010111111101111100010011011110011010111110101111111011111000100110$   
 $1111001101011111010111111011111000100110111100110101111010111111101111100010011011110011010101010$   
 $11111110111110001001101111001101011110101111111011111$

- 787)  $n_m = 3, w = 167, L_{min} = 284, n_b = 6, n_d = 5,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 1111110111110111010100101100111111000110111110111110111010100101100111111000110111110111101$   
 $1101010010110011111100011011111011110111010100101100111111000110111110111101110101001011001111$   
 $11000110111110111101110101001011001111110001101111$
- 788)  $n_m = 3, w = 167, L_{min} = 284, n_b = 6, n_d = 5,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 11111011111011101010010110011111100011011111011110111101110101001011001111110001101111101111011$   
 $1010100101100111111000110111110111101110101001011001111110001101111101111011101010010110011111$   
 $10001101111101111011101010010110011111100011011111$
- 789)  $n_m = 3, w = 167, L_{min} = 284, n_b = 6, n_d = 5,$   
 $b = 111110111010100101100111111000110111110,$   
 $s = 1111101110101001011001111110001101111101111011101010010110011111100011011111011111011101010$   
 $01011001111110001101111101111101110101001011001111110001101111101111011101010010110011111100011$   
 $01111101111101110101001011001111110001101111101111$
- 790)  $n_m = 3, w = 167, L_{min} = 284, n_b = 6, n_d = 5,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 111111000110111111011111011101010010110011111100011011111011111011101010010110011111100011011$   
 $1111011111011101010010110011111100011011111011111011101010010110011111100011011111011110110101$   
 $0010110011111100011011111011111011101010010110011111$
- 791)  $n_m = 3, w = 167, L_{min} = 284, n_b = 6, n_d = 5,$   
 $b = 11111000110111111011111011110101001011001,$   
 $s = 111110001101111110111110111010100101100111111000110111110111110111010100101100111111000110111$   
 $11101111101110101001011001111110001101111101111101111010100101100111111000110111110111101010$   
 $0101100111111000110111110111110111101010010110011111$
- 792)  $n_m = 3, w = 168, L_{min} = 285, n_b = 6, n_d = 6,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 1111111011111000100110111100110101111010111111011111000100110111100110101111010111110111110111110$   
 $0010011011110011010111101011111101111100010011011110011010111110101111110111110001001101111001101$   
 $0111101011111101111100010011011110011010111101011111$
- 793)  $n_m = 3, w = 168, L_{min} = 285, n_b = 6, n_d = 6,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $01001101111001101011110101111110111110001001101111001101011110101111110111100010011011110011010$   
 $1111010111111011111000100110111100110101111010111111$
- 794)  $n_m = 3, w = 168, L_{min} = 285, n_b = 6, n_d = 6,$   
 $b = 11111101111101111010100101100111111000110,$   
 $s = 1111110111110111101010010110011111100011011111011111011110111010100101100111111000110111110111101$   
 $11010100101100111111000110111110111101111010100101100111111000110111110111101110101001011001111$   
 $1100011011111101111011101010010110011111100011011111$
- 795)  $n_m = 3, w = 168, L_{min} = 285, n_b = 6, n_d = 6,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 1111110001101111110111110111101010010110011111100011011111011111011101010010110011111100011011$   
 $11110111110111010100101100111111000110111110111110111101010010110011111100011011111011110101$   
 $001011001111110001101111101111101111010100101100111111$
- 796)  $n_m = 3, w = 169, L_{min} = 286, n_b = 6, n_d = 7,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $01111010111111011111000100110111100110101111010111111$
- 797)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   
 $b = 1011111110111110001001101111001101011110,$   
 $s = 10111111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$

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798)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 1111111011111000100110111100110101111010,$   

 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   

 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   

 $0111101011111101111100010011011110011010111101011111101$ 
799)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 1111110111110001001101111001101011110101,$   

 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   

 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   

 $1111010111111011111000100110111100110101111010111111011$ 
800)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 11111011111100010011011110011010111101011,$   

 $s = 1111101111110001001101111001101011110101111111011111000100110111100110101111010111111011111000$   

 $1001101111001101011110101111110111110001001101111001101011110101111111011111000100110111100110101$   

 $11101011111110111110001001101111001101011110101111110111$ 
801)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 11110111111000100110111100110101111010111,$   

 $s = 1111011111100010011011110011010111101011111110111110001001101111001101011110101111110111110001$   

 $001101111100110101111010111111101111100010011011110011010111101011111110111110001001101111001101011$   

 $110101111111011111000100110111100110101111010111111101111$ 
802)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 11101111110001001101111001101011110101111,$   

 $s = 11101111110001001101111001101011110101111111011111000100110111100110101111010111111101111100010$   

 $01101111100110101111010111111011111000100110111100110101111010111111101111100010011011110011010111$   

 $101011111110111110001001101111001101011110101111111011111$ 
803)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 1101111110111110111010100101100111111000,$   

 $s = 11011111101111101110101001011001111110001101111110111110111110111101010010110011111100011011111101111$   

 $101110101001011001111110001101111110111110111101010010110011111100011011111101111101110101001011001$   

 $1111100011011111101111101111010100101100111111000110111111$ 
804)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 11111101111101111010100101100111111000110,$   

 $s = 111111011111011110101001011001111110001101111110111110111110111101010010110011111100011011111101111101$   

 $110101001011001111110001101111110111110111110101001011001111111000110111111011110101001011001111$   

 $110001101111110111110111101010010110011111100011011111011$ 
805)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 11111011111011110101001011001111110001101,$   

 $s = 111110111110111101010010110011111100011011111101111101111101111010100101100111111100011011111101111011$   

 $1010100101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111$   

 $1000110111111011111011110101001011001111110001101111110111$ 
806)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 11110111111011101010010110011111100011011,$   

 $s = 11110111111011101010010110011111100011011111101111101111101111010100101100111111000110111111011110111$   

 $010100101100111111000110111111011111011110101001011001111110001101111110111110111010100101100111111$   

 $0001101111110111110111101010010110011111100011011111101111$ 
807)  $n_m = 3, w = 170, L_{min} = 288, n_b = 6, n_d = 9,$   

 $b = 1110111111011110101001011001111111000110111,$   

 $s = 111011111101111010100101100111111100011011111101111101111010100101100111111100011011111101111101110$   

 $10100101100111111100011011111101111101111010100101100111111000110111111011111011110101001011001111110$   

 $00110111111101111101111010100101100111111000110111111011111$ 

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903)  $n_m = 3, w = 190, L_{min} = 320, n_b = 7, n_d = 1,$   
 $b = 110011111100011011111011111011101010010,$   
 $s = 110011111100011011111011111011101010010110011111100011011111101111101110101001011001111110001$   
 $1011111101111101110101001011001111110001101111110111101110101001011001111110001101111110111110111$   
 $0101001011001111110001101111101111101110101001011001111110001101111110111110111010100101$

904)  $n_m = 3, w = 190, L_{min} = 320, n_b = 7, n_d = 1,$   
 $b = 1001111110001101111110111110111010100101,$   
 $s = 1001111110001101111110111110111010100101100111111000110111111011111011101010010110011111100011$   
 $011111110111110111010100101100111111000110111111011111011110101001011001111110001101111110111101110$   
 $101001011001111110001101111110111110111101010010110011111100011011111101111101110101001011$

905)  $n_m = 3, w = 190, L_{min} = 320, n_b = 7, n_d = 1,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 1111110001101111110111110111101010010110011111110001101111110111111011101010010110011111100011011$   
 $11110111111011110101001011001111110001101111110111110111110111010100101100111111000110111111011110101$   
 $0010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001$

906)  $n_m = 3, w = 190, L_{min} = 320, n_b = 7, n_d = 1,$   
 $b = 11111000110111111011111011110101001011001,$   
 $s = 111110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110111$   
 $1110111110111101010010110011111100011011111101111101111101111010100101100111111000110111110111101010$   
 $0101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011$

907)  $n_m = 3, w = 190, L_{min} = 320, n_b = 7, n_d = 1,$   
 $b = 111100011011111110111110111101010010110011,$   
 $s = 1111000110111111101111101111010100101100111111000110111111011111011110101001011001111110001101111$   
 $110111111011110101001011001111110001101111110111110111101010010110011111100011011111101111010100$   
 $1011001111110001101111110111110111101010010110011111100011011111101111101111010100101100111$

908)  $n_m = 3, w = 190, L_{min} = 320, n_b = 7, n_d = 1,$   
 $b = 111000110111111101111101111010100101100111,$   
 $s = 1110001101111111011111011110101001011001111110001101111110111110111110101001011001111110001101111$   
 $1011111101111010100101100111111000110111111011111011111010100101100111111000110111111011110101001$   
 $01100111111000110111111011111011111010100101100111111000110111111011111011110101001011001111$

909)  $n_m = 3, w = 190, L_{min} = 320, n_b = 7, n_d = 1,$   
 $b = 110001101111111011111011110101001011001111,$   
 $s = 1100011011111110111110111101010010110011111100011011111101111101111101010010110011111100011011111$   
 $0111111011101010010110011111100011011111101111101111101010010110011111100011011111101111101010010$   
 $1100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111$

910)  $n_m = 3, w = 190, L_{min} = 320, n_b = 7, n_d = 1,$   
 $b = 10001101111110111110111101010010110011111,$   
 $s = 100011011111101111101111010100101100111111000110111111011111011111010100101100111111000110111110$   
 $111110111101010010110011111100011011111101111101111101010010110011111100011011111101111010100101$   
 $10011111110001101111110111110111101010010110011111100011011111101111101111010100101100111111$

911)  $n_m = 3, w = 191, L_{min} = 321, n_b = 7, n_d = 2,$   
 $b = 11011110011010111110101111111011111000100,$   
 $s = 11011110011010111110101111111011111000100110111100110101111101011111101111100010011011110011010$   
 $1111101011111110111110001001101111001101011111101111100010011011110011010111110101111110111$   
 $110001001101111001101011111010111111011111000100110111100110101111101011111101111100010011$

912)  $n_m = 3, w = 191, L_{min} = 321, n_b = 7, n_d = 2,$   
 $b = 1111001101011111010111111110111111000100110,$   
 $s = 11110011010111110101111111011111000100110111100110101111101011111101111100010011011110011010111$   
 $101011111110111110001001101111001101011111010111111011111000100110111100110101111110111110$   
 $0010011011110011010111110101111110111110001001101111001101011111101111110$







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945)  $n_m = 3, w = 191, L_{min} = 321, n_b = 7, n_d = 2,$   
 $b = 1110001101111110111110111010100101100111,$   
 $s = 1110001101111110111110111010100101100111111000110111110111110111101010010110011111100011011111$   
 $1011111011101010010110011111100011011111011111011110101001011001111110001101111101111101110101001$   
 $011001111110001101111110111110111010100101100111111000110111110111110111101010010110011111$

946)  $n_m = 3, w = 191, L_{min} = 321, n_b = 7, n_d = 2,$   
 $b = 11000110111111011111011110101001011001111,$   
 $s = 110001101111110111111011101010010110011111100011011111011111011111010100101100111111000110111111$   
 $0111110111101010010110011111100011011111011111011111010100101100111111000110111110111110111101010010$   
 $11001111110001101111110111110111101010010110011111100011011111101111101111010100101100111111$

947)  $n_m = 3, w = 192, L_{min} = 322, n_b = 7, n_d = 3,$   
 $b = 1111001101011111010111111011111000100110,$   
 $s = 1111001101011111010111111011111000100110111100110101111101011111101111100010011011110011010111$   
 $101011111110111110001001101111001101011111010111111011111000100110111100110101111101111110111110$   
 $0010011011110011010111110101111110111110001001101111001101011111010111111011111000100110111$

948)  $n_m = 3, w = 192, L_{min} = 322, n_b = 7, n_d = 3,$   
 $b = 11100110101111101011111110111110001001101,$   
 $s = 11100110101111101011111110111110001001101111001101011111010111111011111000100110111100110101111$   
 $010111111110111110001001101111001101011111010111111011111000100110111100110101111101011111101111100$   
 $01001101111100110101111101011111101111100010011011110011010111110101111110111110001001101111$

949)  $n_m = 3, w = 192, L_{min} = 322, n_b = 7, n_d = 3,$   
 $b = 11110101111111011111100010011011110011010,$   
 $s = 111101011111110111111000100110111100110101111101011111101111100010011011110011010111110101111111$   
 $01111100010011011110011010111110101111110111110001001101111001101011111010111111011111000100110111$   
 $1001101011110101111111011111000100110111100110101111101011111101111100010011011110011010111$

950)  $n_m = 3, w = 192, L_{min} = 322, n_b = 7, n_d = 3,$   
 $b = 1110101111111011111000100110111100110101,$   
 $s = 1110101111111011111000100110111100110101111101011111101111110111110001001101111001101011111110$   
 $111110001001101111001101011111010111111101111100010011011110011010111110101111110111110001001101111$   
 $00110101111101011111110111110001001101111001101011111010111111011111000100110111100110101111$

951)  $n_m = 3, w = 192, L_{min} = 322, n_b = 7, n_d = 3,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 1111111011111000100110111100110101111101011111110111110001001101111001101011111101011111110111110$   
 $001001101111001101011111010111111101111100010011011110011010111110101111110111110001001101111001101$   
 $01111010111111101111100010011011110011010111110101111110111110001001101111001101011111010111$

952)  $n_m = 3, w = 192, L_{min} = 322, n_b = 7, n_d = 3,$   
 $b = 11111110111110001001101111001101011110101,$   
 $s = 111111101111100010011011110011010111110101111111011111000100110111100110101111101011111101111100$   
 $010011011110011010111110101111111011111000100110111100110101111101011111101111100010011011110011010$   
 $111101011111110111110001001101111001101011111010111111101111100010011011110011010111110101111$

953)  $n_m = 3, w = 192, L_{min} = 322, n_b = 7, n_d = 3,$   
 $b = 11111011111000100110111100110101111101011,$   
 $s = 11111011111000100110111100110101111101011111110111110001001101111001101011111010111111011111000$   
 $10011011110011010111110101111110111110001001101111001101011111010111111011111000100110111100110101$   
 $1110101111110111110001001101111001101011111010111111011111000100110111100110101111101011111$

954)  $n_m = 3, w = 192, L_{min} = 322, n_b = 7, n_d = 3,$   
 $b = 111101111110001001101111001101011111010111,$   
 $s = 111101111110001001101111001101011111010111111101111100010011011110011010111110101111110111110001$   
 $0011011111001101011111010111111101111100010011011110011010111110101111110111110001001101111001101011$   
 $11010111111101111100010011011110011010111110101111110$





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- 1054)  $n_m = 3, w = 212, L_{min} = 349, n_b = 7, n_d = 30,$   
 $b = 111111000110111110111110111010100101100,$   
 $s = 111111000110111110111110111010100101100111110001101111101111011101010010110011111100011011$   
 $1111011110111010100101100111111000110111110111110111010100101100111111000110111110111101110101$   
 $00101100111111000110111110111110111010100101100111111000110111110111101110101001011001111110001$   
 $1011111011111011101$
- 1055)  $n_m = 3, w = 213, L_{min} = 350, n_b = 7, n_d = 31,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 11110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $10101111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $01111010111111011111$
- 1056)  $n_m = 3, w = 214, L_{min} = 352, n_b = 7, n_d = 33,$   
 $b = 110111100110101111010111111011111000100,$   
 $s = 11011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $11110101111110111100010011011110011010111101011111101111100010011011110011010111110101111110111$   
 $110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001$   
 $1010111101011111101111$
- 1057)  $n_m = 3, w = 214, L_{min} = 352, n_b = 7, n_d = 33,$   
 $b = 1011110011010111101011111110111110001001,$   
 $s = 101111001101011110101111111011111000100110111100110101111010111111011111000100110111100110101$   
 $111010111111101111000100110111100110101111010111111011111000100110111100110101111101011111101111$   
 $100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $0101111010111111011111$
- 1058)  $n_m = 3, w = 215, L_{min} = 353, n_b = 7, n_d = 34,$   
 $b = 1101111001101011110101111111011111000100,$   
 $s = 1101111001101011110101111111011111000100110111100110101111010111111101111100010011011110011010$   
 $11110101111110111100010011011110011010111101011111101111100010011011110011010111110101111110111$   
 $110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001$   
 $10101111010111111011111$
- 1059)  $n_m = 3, w = 216, L_{min} = 356, n_b = 7, n_d = 37,$   
 $b = 1001101111001101011110101111111011111000,$   
 $s = 10011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $010111101011111110111110001001101111001101011110101111110111110001001101111001101011110101111110$   
 $111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111$   
 $00110101111010111111011111$
- 1060)  $n_m = 3, w = 216, L_{min} = 356, n_b = 7, n_d = 37,$   
 $b = 1101111110111110111010100101100111111000,$   
 $s = 110111111011111011101010010110011111100011011111011111011110101001011001111110001101111101111$   
 $101110101001011001111110001101111101111101111010100101100111111000110111110111101110101001011001$   
 $1111100011011111101111011101010010110011111100011011111011110111010100101100111111000110111110$   
 $111110111010100101100111111$
- 1061)  $n_m = 3, w = 217, L_{min} = 360, n_b = 8, n_d = 1,$   
 $b = 1001101111001101011110101111111011111000,$   
 $s = 10011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $010111101011111110111110001001101111001101011110101111110111110001001101111001101011111110$   
 $111110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111$   
 $001101011110101111110111110001$
- 1062)  $n_m = 3, w = 217, L_{min} = 360, n_b = 8, n_d = 1,$   
 $b = 1101111001101011110101111111011111000100,$   
 $s = 110111100110101111010111111101111100010011011110011010111101011111101111100010011011110011010$   
 $1111010111111011111000100110111100110101111010111111011111000100110111100110101111110111110111$   
 $110001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001$   
 $1010111101011111110111110001001$

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- 1144)  $n_m = 3, w = 218, L_{min} = 361, n_b = 8, n_d = 2,$   
 $b = 1101010010110011111100011011111101111101,$   
 $s = 1101010010110011111100011011111101111101111010100101100111111000110111110111110111010100101100$   
 $1111110001101111110111110111010100101100111111000110111111011111011101010010110011111100011011111$   
 $0111110111010100101100111111000110111111011111011101010010110011111100011011111011111011101010010$   
 $11001111110001101111110111110111$
- 1145)  $n_m = 3, w = 218, L_{min} = 361, n_b = 8, n_d = 2,$   
 $b = 11001111110001101111110111110111101010010,$   
 $s = 110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111110001$   
 $101111110111110111010100101100111111000110111111011111011110101001011001111110001101111110111110111$   
 $010100101100111111000110111111011111011110101001011001111110001101111110111110111010100101100111111$   
 $000110111111011111011110101001011$
- 1146)  $n_m = 3, w = 218, L_{min} = 361, n_b = 8, n_d = 2,$   
 $b = 11111100011011111101111101111010100101100,$   
 $s = 111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $11110111110111101010010110011111100011011111101111101111010100101100111111000110111111011110101$   
 $00101100111111000110111111011111011110111010100101100111111000110111111011111011110101001011001111110001$   
 $101111110111110111101010010110011$
- 1147)  $n_m = 3, w = 218, L_{min} = 361, n_b = 8, n_d = 2,$   
 $b = 111110001101111111011111011110101001011001,$   
 $s = 1111100011011111110111110111101010010110011111100011011111101111101111010100101100111111000110111$   
 $111011111101111010100101100111111000110111111011111011110101001011001111110001101111110111101010$   
 $0101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011$   
 $011111101111101111010100101100111$
- 1148)  $n_m = 3, w = 218, L_{min} = 361, n_b = 8, n_d = 2,$   
 $b = 11110001101111110111110111101010010110011,$   
 $s = 111100011011111101111101111010100101100111111000110111111011111011110101001011001111110001101111$   
 $1101111101111010100101100111111000110111111011111011110101001011001111110001101111101111010100$   
 $1011001111110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110$   
 $111111011111011110101001011001111$
- 1149)  $n_m = 3, w = 218, L_{min} = 361, n_b = 8, n_d = 2,$   
 $b = 111000110111111101111101111010100101100111,$   
 $s = 1110001101111111011111011110101001011001111110001101111110111110111101010010110011111100011011111$   
 $1011111011110101001011001111110001101111110111110111110111101010010110011111100011011111011110101001$   
 $01100111111000110111111011111011111010100101100111111000110111111011111011110101001011001111110001101$   
 $1111101111110111101010010110011111$
- 1150)  $n_m = 3, w = 218, L_{min} = 361, n_b = 8, n_d = 2,$   
 $b = 11000110111111011111011110101001011001111,$   
 $s = 110001101111110111110111101010010110011111100011011111101111101111010100101100111111000110111111$   
 $01111101110101001011001111110001101111110111110111110101001011001111110001101111110111101010010$   
 $1100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011$   
 $111101111101111010100101100111111$
- 1151)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 111100110101111010111111011111000100110,$   
 $s = 111100110101111010111111011111000100110111100110101111101011111101111100010011011110011010111$   
 $101011111110111110001001101111001101011111010111111011111000100110111100110101111110111110111110$   
 $0010011011110011010111101011111101111100010011011110011010111110101111110111110001001101111001101$   
 $01111010111111011111000100110111$
- 1152)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 1110011010111101011111110111110001001101,$   
 $s = 1110011010111101011111110111110001001101111001101011111010111111011111000100110111100110101111$   
 $0101111111011111000100110111100110101111110101111110111110001001101111001101011111101111101111100$   
 $01001101111001101011111010111111011111000100110111100110101111101011111101111100010011011110011010$   
 $111101011111110111110001001101111$





- 1162)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 111000100110111100110101111010111111011,$   
 $s = 11100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011$   
 $11001101011110101111110111110001001101111001101011110101111110111100010011010111101011$   
 $11111011111000100110111100110101111010111111011111000100110111100110101111010111110111110001001$   
 $1011110011010111101011111101111$
- 1163)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 111111011110111010100101100111111000110,$   
 $s = 1111110111101111010100101100111111000110111111011111011110111101010010110011111100011011111101111101$   
 $11010100101100111111000110111111011111011110101001011001111110001101111110111101110101001011001111$   
 $110001101111110111110111010100101100111111000110111111011110111010100101100111111000110111110111$   
 $110111010100101100111111000110111$
- 1164)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 111110111110111010100101100111111000110111111011111011110111010100101100111111000110111111011111011$   
 $10101001011001111110001101111110111110111101010010110011111100011011111011111011101010010110011111$   
 $1000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111101111$   
 $101110101001011001111110001101111$
- 1165)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 11110111111011101010010110011111100011011,$   
 $s = 111101111110111010100101100111111000110111111011111011110101001011001111110001101111110111110111$   
 $010100101100111111000110111111011111011110101001011001111110001101111110111110111010100101100111111$   
 $000110111111011111011101010010110011111100011011111101111101111010100101100111111000110111111011111$   
 $011101010010110011111100011011111$
- 1166)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 1110111110111010100101100111111000110111,$   
 $s = 11101111101110101001011001111110001101111110111110111110111101010010110011111100011011111101111101110$   
 $101001011001111110001101111110111110111101010010110011111100011011111101111101110101001011001111110$   
 $001101111110111110111010100101100111111000110111111011111011110101001011001111110001101111110111110$   
 $111010100101100111111000110111111$
- 1167)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 1111101110101001011001111110001101111110,$   
 $s = 111110111010100101100111111000110111111011111011110111010100101100111111000110111111011111011101010$   
 $0101100111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011$   
 $011111101111101110101001011001111110001101111110111110111101010010110011111100011011111101111101110$   
 $101001011001111110001101111110111$
- 1168)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 1111011101010010110011111100011011111101,$   
 $s = 111101110101001011001111110001101111110111110111101010010110011111100011011111101111101111010100$   
 $101100111111000110111111011111011110101001011001111110001101111110111110111010100101100111111000110$   
 $1111110111110111101010010110011111100011011111101111101111010100101100111111000110111111011111011101$   
 $010010110011111100011011111101111$
- 1169)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 1110111010100101100111111000110111111011,$   
 $s = 1110111010100101100111111000110111111011111011111011110101001011001111110001101111110111110101001$   
 $0110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111110001101$   
 $11111011111101110101001011001111110001101111110111110111101010010110011111100011011111101111101010$   
 $100101100111111000110111111011111$
- 1170)  $n_m = 3, w = 219, L_{min} = 362, n_b = 8, n_d = 3,$   
 $b = 1110101001011001111110001101111110111110,$   
 $s = 1110101001011001111110001101111110111110111110101001011001111110001101111110111110111101010010110$   
 $0111111000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111$   
 $101111101111010100101100111111000110111111011111011110101001011001111110001101111110111110101001$   
 $011001111110001101111110111110111$



107

- 1189)  $n_m = 3, w = 220, L_{min} = 363, n_b = 8, n_d = 4,$   
 $b = 1111100011011111101111101110101001011001,$   
 $s = 1111100011011111101111101110101001011001111110001101111110111110111010100101100111111000110111$   
 $11101111101110101001011001111110001101111110111110111101010010110011111100011011111011101010$   
 $0101100111111000110111111011111011101010010110011111100011011111101111011101010010110011111100011$   
 $0111111011111011101010010110011111$
- 1190)  $n_m = 3, w = 220, L_{min} = 363, n_b = 8, n_d = 4,$   
 $b = 1111000110111111011111011101010010110011,$   
 $s = 1111000110111111011111011101010010110011111100011011111101111101110101001011001111110001101111$   
 $1101111101110101001011001111110001101111110111110111010100101100111111000110111110111110111010100$   
 $1011001111110001101111110111110111010100101100111111000110111111011111011110111010100101100111111000110$   
 $111111011111011101010010110011111$
- 1191)  $n_m = 3, w = 221, L_{min} = 364, n_b = 8, n_d = 5,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $01111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011$   
 $11100010011011110011010111101011111$
- 1192)  $n_m = 3, w = 221, L_{min} = 364, n_b = 8, n_d = 5,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 1111110111110001001101111001101011110101111110111110001001101111001101011110101111101011111101111100$   
 $010011011111001101011111010111111011111000100110111100110101111101011111101111100010011011110011010$   
 $111101011111101111100010011011110011010111101011111101111100010011011110011010111110101111110111$   
 $11000100110111100110101111010111111$
- 1193)  $n_m = 3, w = 221, L_{min} = 364, n_b = 8, n_d = 5,$   
 $b = 1111101111100010011011110011010111101011,$   
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $1001101111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $111010111111011111000100110111100110101111010111111011111000100110111100110101111101011111101111$   
 $10001001101111001101011110101111111$
- 1194)  $n_m = 3, w = 221, L_{min} = 364, n_b = 8, n_d = 5,$   
 $b = 1111100010011011110011010111101011111110,$   
 $s = 111110001001101111001101011110101111111011111000100110111100110101111010111111011111000100110$   
 $1111001101011111010111111011111000100110111100110101111010111111011111000100110111100110101111010$   
 $11111110111110001001101111001101011110101111110111110001001101111001101011111101111100010$   
 $0110111100110101111010111111011111$
- 1195)  $n_m = 3, w = 221, L_{min} = 364, n_b = 8, n_d = 5,$   
 $b = 11111101111101111010100101100111111000110,$   
 $s = 1111110111110111101010010110011111110001101111110111110111101010010110011111100011011111101111101$   
 $1101010010110011111100011011111101111101111010100101100111111000110111111011110101001011001111$   
 $1100011011111011111011110101001011001111110001101111101111101111010100101100111111000110111110111$   
 $110111010100101100111111100011011111$
- 1196)  $n_m = 3, w = 221, L_{min} = 364, n_b = 8, n_d = 5,$   
 $b = 1111101111101110101001011001111110001101,$   
 $s = 11111011111011101010010110011111100011011111101111101111011101010010110011111100011011111011111011$   
 $1010100101100111111000110111111011111011110101001011001111110001101111110111101010010110011111$   
 $100011011111101111101111010100101100111111000110111111011111011110101001011001111110001101111101111$   
 $10111010100101100111111000110111111$
- 1197)  $n_m = 3, w = 221, L_{min} = 364, n_b = 8, n_d = 5,$   
 $b = 1111101110101001011001111110001101111110,$   
 $s = 11111011101010010110011111100011011111101111101111010100101100111111000110111111011111011101010$   
 $010110011111100011011111101111101110101001011001111110001101111110111110111101010010110011111100011$   
 $011111101111101111010100101100111111000110111111011111011110101001011001111110001101111101111101110$   
 $10100101100111111000110111111011111$

- 1198)  $n_m = 3, w = 221, L_{min} = 364, n_b = 8, n_d = 5,$   
 $b = 1111110001101111110111110111010100101100,$   
 $s = 11111100011011111101111101110101001011001111110001101111101111011101010010110011111100011011$   
 $1111011111011101010010110011111100011011111011110111010100101100111111000110111110111101110101$   
 $0010110011111100011011111011110111010100101100111111000110111110111101110101001011001111110001$   
 $101111101111011101010010110011111$
- 1199)  $n_m = 3, w = 221, L_{min} = 364, n_b = 8, n_d = 5,$   
 $b = 111110001101111110111101110101001011001,$   
 $s = 1111100011011111101111011101010010110011111100011011111011110111010100101100111111000110111$   
 $111011110111010100101100111111000110111110111101110101001011001111110001101111101111011101010$   
 $0101100111111000110111110111101110101001011001111110001101111101111011101010010110011111100011$   
 $0111110111110111010100101100111111$
- 1200)  $n_m = 3, w = 222, L_{min} = 365, n_b = 8, n_d = 6,$   
 $b = 111111011111000100110111100110101111010,$   
 $s = 111111011111000100110111100110101111010111110111110001001101111001101011110101111110111110$   
 $00100110111100110101111010111111011111000100110111100110101111010111110111110001001101111001101$   
 $011110101111110111110001001101111001101011110101111101111100010011011110011010111101011111011$   
 $111000100110111100110101111010111111$
- 1201)  $n_m = 3, w = 222, L_{min} = 365, n_b = 8, n_d = 6,$   
 $b = 1111110111110001001101111001101011110101,$   
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $1111010111111011111000100110111100110101111010111111011111000100110111100110101111010111110111$   
 $110001001101111001101011110101111111$
- 1202)  $n_m = 3, w = 222, L_{min} = 365, n_b = 8, n_d = 6,$   
 $b = 1111110111110111010100101100111111000110,$   
 $s = 111111011111011101010010110011111110001101111110111110111101010010110011111100011011111101111101$   
 $11010100101100111111000110111111011111011110101001011001111110001101111110111101110101001011001111$   
 $11000110111111011111011101010010110011111100011011111101111101111010100101100111111000110111110111$   
 $110111010100101100111111000110111111$
- 1203)  $n_m = 3, w = 222, L_{min} = 365, n_b = 8, n_d = 6,$   
 $b = 1111110001101111110111110111010100101100,$   
 $s = 1111110001101111110111110111010100101100111111000110111110111110111101010010110011111100011011$   
 $1111011111011101010010110011111100011011111011111011110101001011001111110001101111101110101$   
 $001011001111110001101111110111110111010100101100111111000110111111011111011110101001011001111110001$   
 $101111110111110111010100101100111111$
- 1204)  $n_m = 3, w = 223, L_{min} = 366, n_b = 8, n_d = 7,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $001001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101$   
 $01111010111111011111000100110111100110101111010111111011111000100110111100110101111010111111011$   
 $1110001001101111001101011110101111111$
- 1205)  $n_m = 3, w = 224, L_{min} = 368, n_b = 8, n_d = 9,$   
 $b = 101111110111110001001101111001101011110,$   
 $s = 10111111011111000100110111100110101111101011111101111100010011011110011010111101011111101111$   
 $100010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011$   
 $01011110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110$   
 $111110001001101111001101011110101111111$
- 1206)  $n_m = 3, w = 224, L_{min} = 368, n_b = 8, n_d = 9,$   
 $b = 1111111011111000100110111100110101111010,$   
 $s = 11111110111110001001101111001101011110101111110111110001001101111001101011110101111110111110$   
 $0010011011110011010111101011111101111100010011011110011010111110101111110111110001001101111001101$   
 $011110101111110111110001001101111001101011111010111111011111000100110111100110101111010111111011$   
 $11100010011011110011010111101011111101$

1207)  $n_m = 3$ ,  $w = 224$ ,  $L_{min} = 368$ ,  $n_b = 8$ ,  $n_d = 9$ ,  
 $b = 1111110111110001001101111001101011110101$ ,  
 $s = 11111101111100010011011110011010111101011111101111100010011011110011010111101011111101111100$   
 $010011011110011010111101011111101111100010011011110011010111101011111101111100010011011110011010$   
 $11110101111110111110001001101111001101011110101111110111110001001101111001101011110101111110111$   
 $11000100110111100110101111010111111011$

1208)  $n_m = 3$ ,  $w = 224$ ,  $L_{min} = 368$ ,  $n_b = 8$ ,  $n_d = 9$ ,  
 $b = 1111101111100010011011110011010111101011$ ,  
 $s = 11111011111000100110111100110101111010111111011111000100110111100110101111010111111011111000$   
 $100110111100110101111010111111011111000100110111100110101111010111111011111000100110111100110101$   
 $11101011111101111100010011011110011010111101011111101111100010011011110011010111101011111101111$   
 $10001001101111001101011110101111110111$

1209)  $n_m = 3$ ,  $w = 224$ ,  $L_{min} = 368$ ,  $n_b = 8$ ,  $n_d = 9$ ,  
 $b = 1111011111000100110111100110101111010111$ ,  
 $s = 11110111110001001101111001101011110101111110111110001001101111001101011110101111110111110001$   
 $001101111001101011110101111110111110001001101111001101011110101111110111110001001101111001101011$   
 $1101011111101111100010011011110011010111101011111101111100010011011110011010111111011111$   
 $00010011011110011010111101011111101111$

1210)  $n_m = 3$ ,  $w = 224$ ,  $L_{min} = 368$ ,  $n_b = 8$ ,  $n_d = 9$ ,  
 $b = 1110111110001001101111001101011110101111$ ,  
 $s = 11101111100010011011110011010111101011111101111100010011011110011010111101011111101111100010$   
 $0110111110011010111101011111101111100010011011110011010111101011111101111100010011011110011010111$   
 $10101111111011111000100110111100110101111010111111011111000100110111100110101111110111110$   
 $0010011011110011010111101011111101111$

1211)  $n_m = 3$ ,  $w = 224$ ,  $L_{min} = 368$ ,  $n_b = 8$ ,  $n_d = 9$ ,  
 $b = 1101111110111110111010100101100111111000$ ,  
 $s = 1101111110111110111101010010110011111100011011111101111101111011101010010110011111100011011111101111$   
 $101110101001011001111110001101111110111110111101110101001011001111110001101111110111101110101001011001$   
 $11111000110111111011111011110101001011001111110001101111110111110111101110101001011001111110001101111110$   
 $111110111101010010110011111100011011111$

1212)  $n_m = 3$ ,  $w = 224$ ,  $L_{min} = 368$ ,  $n_b = 8$ ,  $n_d = 9$ ,  
 $b = 111111011111011110111010100101100111111000110$ ,  
 $s = 111111011111011110111010100101100111111000110111111011111011111011111011111011111101111101$   
 $1101010010110011111100011011111101111101111010100101100111111000110111111011111011110101001011001111$   
 $11000110111111011110111101010010110011111100011011111011111011110101001011001111110001101111110111$   
 $11011101010010110011111100011011111011$

1213)  $n_m = 3$ ,  $w = 224$ ,  $L_{min} = 368$ ,  $n_b = 8$ ,  $n_d = 9$ ,  
 $b = 11111011111011110101001011001111110001101$ ,  
 $s = 11111011111011110101001011001111110001101111110111110111110111101010010110011111100011011111011111011$   
 $101010010110011111100011011111011111011110101001011001111110001101111110111110111101010010110011111$   
 $1000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111101111$   
 $10111010100101100111111000110111110111$

1214)  $n_m = 3$ ,  $w = 224$ ,  $L_{min} = 368$ ,  $n_b = 8$ ,  $n_d = 9$ ,  
 $b = 111101111110111101010010110011111100011011$ ,  
 $s = 111101111110111101010010110011111100011011111101111101111101111010100101100111111000110111111011110111$   
 $0101001011001111110001101111110111110111101111010100101100111111000110111111011110111010100101100111111$   
 $000110111111011111011110101001011001111110001101111110111110111101010010110011111100011011111011111$   
 $01110101001011001111110001101111101111$

1215)  $n_m = 3$ ,  $w = 224$ ,  $L_{min} = 368$ ,  $n_b = 8$ ,  $n_d = 9$ ,  
 $b = 11101111101111010100101100111111000110111$ ,  
 $s = 11101111101111010100101100111111000110111111011111011110111101010$

[illegible]





[illegible]









[illegible]



$b = 111010100101100111111000110111110111110,$   
 $s = 11101010010110011111100011011111011110111010100101100111111000110111111011111011101010010110$   
 $01111110001101111110111110111010100101100111111000110111111011111011101010010110011111100011011111$   
 $10111110111010100101100111111000110111111011111011101010010110011111100011011111101111101110101001$   
 $01100111111100011011111110111101101010010110011111100011011111101111101$





- 1315)  $n_m = 3, w = 244, L_{min} = 400, n_b = 9, n_d = 1,$   
 $b = 1111000110111111011111011101010010110011,$   
 $s = 11110001101111110111110111010100101100111111000110111110111101110101001011001111110001101111$   
 $1101111101110101001011001111110001101111101111101110101001011001111100011011111011110111010100$   
 $10110011111100011011111011110111010100101100111110001101111101111011110111010100101100111111000110$   
 $111111011110111010100101100111110001101111101111011110111010100101100111111000110$
- 1316)  $n_m = 3, w = 244, L_{min} = 400, n_b = 9, n_d = 1,$   
 $b = 111000110111111011110111010100101100111,$   
 $s = 1110001101111110111101110101001011001111110001101111101111011101010010110011111100011011111$   
 $1011111011101010010110011111100011011111011111011101010010110011111000110111110111101110101001$   
 $0110011111100011011111011111011101010010110011111000110111110111101110101001011001111110001101$   
 $111110111110111010100101100111111000110111110111101110101001011001111110001101$
- 1317)  $n_m = 3, w = 244, L_{min} = 400, n_b = 9, n_d = 1,$   
 $b = 1100011011111101111101110101001011001111,$   
 $s = 110001101111110111110111010100101100111111000110111110111110111010100101100111111000110111111$   
 $011111011101010010110011111100011011111011111011101010010110011111100011011111011111011101010010$   
 $110011111100011011111011111011101010010110011111100011011111011111011101010010110011111100011011$   
 $1111011111011101010010110011111100011011111011111011101010010110011111100011011$
- 1318)  $n_m = 3, w = 244, L_{min} = 400, n_b = 9, n_d = 1,$   
 $b = 10001101111111011111011101010010110011111,$   
 $s = 10001101111110111110111010100101100111111000110111110111110111010100101100111111000110111110$   
 $1111101110101001011001111110001101111101111101110101001011001111110001101111101111010100101$   
 $100111111000110111110111110111010100101100111111000110111110111110111010100101100111111000110111$   
 $1110111110111010100101100111111000110111110111110111010100101100111111$