Prof. Dr. Alfred Toth

Polycontextural-semiotic functions

1. Monocontextural semiotic functions have been extensively studied in Toth (2008a), especially in Chapter 2 (pp. 148-178). In the present article I want to give their corresponding polycontextural functions, since they will play a crucial role after mathematical semiotics will finally have become a part of computer science. Different from a previous study (2009b), I will start here from a 4-contextural 4-adic sign model, i.e. not from a semiotic, but from a pre-semiotic sign relation, in order to maintain the framework elaborated in Toth (2008a). Therefore, we have semiotic functions with 3 or 2 variables, which can lie in 4 contextures:

Maximal variable scheme: $w = f(x_{i,j,k}, y_{i,j,k}, z_{i,j,k})$
Minimal variable scheme: $w = f(x_{i,j,k}, y_{i,j,k})$

Maximal contextural scheme: $w = f(x_{i,j,k}, y_{i,j,k}, z_{i,j,k})$
Minimal contextural scheme: $w = f(x_{i,j}, y_{i,j})$

$i, j, k \in \{1, 2, 3, 4\}$

2.1. Functions with $w = (0.1_{1,3})$

1. $(0.1_{1,3}) = f(1.1._{1,3,4}, 2.1_{1,4})$
2. $(0.1_{1,3}) = f(1.1._{1,3,4}, 2.1_{1,4}, 3.1_{3,4})$
3. $(0.1_{1,3}) = f(1.1._{1,3,4}, 3.1_{3,4})$
4. $(0.1_{1,3}) = f(1.1._{1,3,4}, 3.1_{3,4}, 2.1_{1,4})$
5. $(0.1_{1,3}) = f(2.1_{1,4}, 1.1._{1,3,4})$
6. $(0.1_{1,3}) = f(2.1_{1,4}, 1.1._{1,3,4}, 3.1_{3,4})$
7. $(0.1_{1,3}) = f(2.1_{1,4}, 3.1_{3,4})$
8. $(0.1_{1,3}) = f(2.1_{1,4}, 3.1_{3,4}, 1.1._{1,3,4})$
9. $(0.1_{1,3}) = f(3.1_{3,4}, 1.1._{1,3,4})$
10. $(0.1_{1,3}) = f(3.1_{3,4}, 1.1._{1,3,4}, 2.1_{1,4})$
11. $(0.1_{1,3}) = f(3.1_{3,4}, 2.1_{1,4})$
12. $(0.1_{1,3}) = f(3.1_{3,4}, 2.1_{1,4}, 1.1._{1,3,4})$

2.2. Functions with $w = (0.2_{1,2})$

1. $(0.2_{1,2}) = f(1.1._{1,3,4}, 2.1_{1,4})$
2. $(0.2_{1,2}) = f(1.1._{1,3,4}, 2.1_{1,4}, 3.1_{3,4})$

3. $(0.2_{1,2}) = f(1.1._{1,3,4}, 3.1_{3,4})$

4. $(0.2_{1,2}) = f(1.1._{1,3,4}, 3.1_{3,4}, 2.1_{1,4})$

5. $(0.2_{1,2}) = f(1.2._{1,4}, 2.1_{1,4}, 3.1_{3,4})$

6. $(0.2_{1,2}) = f(1.2._{1,4}, 2.2_{1,2,4})$

7. $(0.2_{1,2}) = f(1.2._{1,4}, 2.2_{1,2,4}, 3.1_{3,4})$

8. $(0.2_{1,2}) = f(1.2._{1,4}, 2.2_{1,2,4}, 3.2_{2,4})$

9. $(0.2_{1,2}) = f(1.2._{1,4}, 3.1_{3,4})$

10. $(0.2_{1,2}) = f(1.2._{1,4}, 3.1_{3,4}, 2.1_{1,4})$

11. $(0.2_{1,2}) = f(1.2._{1,4}, 3.1_{3,4}, 2.2_{1,2,4})$

12. $(0.2_{1,2}) = f(1.2._{1,4}, 3.2_{2,4})$

13. $(0.2_{1,2}) = f(1.2._{1,4}, 3.2_{2,4}, 2.2_{1,2,4})$

14. $(0.2_{1,2}) = f(2.1_{1,4}, 1.1._{1,3,4})$

15. $(0.2_{1,2}) = f(2.1_{1,4}, 1.1._{1,3,4}, 3.1_{3,4})$

16. $(0.2_{1,2}) = f(2.1_{1,4}, 1.2._{1,4})$

17. $(0.2_{1,2}) = f(2.1_{1,4}, 1.2._{1,4}, 3.1_{3,4})$

18. $(0.2_{1,2}) = f(2.1_{1,4}, 3.1_{3,4})$

19. $(0.2_{1,2}) = f(2.1_{1,4}, 3.1_{3,4}, 1.1._{1,3,4})$

20. $(0.2_{1,2}) = f(2.1_{1,4}, 3.1_{3,4}, 1.2._{1,4})$

21. $(0.2_{1,2}) = f(2.2_{1,2,4}, 1.2._{1,4})$

22. $(0.2_{1,2}) = f(2.2_{1,2,4}, 1.2._{1,4}, 3.1_{3,4})$

23. $(0.2_{1,2}) = f(2.2_{1,2,4}, 1.2._{1,4}, 3.2_{2,4})$

24. $(0.2_{1,2}) = f(2.2_{1,2,4}, 3.1_{3,4})$

25. $(0.2_{1,2}) = f(2.2_{1,2,4}, 3.1_{3,4}, 1.2._{1,4})$

26. $(0.2_{1,2}) = f(2.2_{1,2,4}, 3.2_{2,4})$

27. $(0.2_{1,2}) = f(2.2_{1,2,4}, 3.2_{2,4}, 1.2._{1,4})$

28. $(0.2_{1,2}) = f(3.1_{3,4}, 1.1._{1,3,4})$

29. $(0.2_{1,2}) = f(3.1_{3,4}, 1.1._{1,3,4}, 2.1_{1,4})$

30. $(0.2_{1,2}) = f(3.1_{3,4}, 1.2._{1,4})$

31. $(0.2_{1,2}) = f(3.1_{3,4}, 1.2._{1,4}, 2.1_{1,4})$

32. $(0.2_{1,2}) = f(3.1_{3,4}, 1.2._{1,4}, 2.2_{1,2,4})$

33. $(0.2_{1,2}) = f(3.1_{3,4}, 2.1_{1,4})$

34. $(0.2_{1,2}) = f(3.1_{3,4}, 2.1_{1,4}, 1.1._{1,3,4})$

35. $(0.2_{1,2}) = f(3.1_{3,4}, 2.1_{1,4}, 1.2._{1,4})$

36. $(0.2_{1,2}) = f(3.1_{3,4}, 2.2_{1,2,4})$

37. $(0.2_{1,2}) = f(3.1_{3,4}, 2.2_{1,2,4}, 1.2._{1,4})$

38. $(0.2_{1,2}) = f(3.2_{2,4}, 1.2._{1,4})$

39. $(0.2_{1,2}) = f(3.2_{2,4}, 1.2._{1,4}, 2.2_{1,2,4})$

40. $(0.2_{1,2}) = f(3.2_{2,4}, 2.2_{1,2,4})$

41. $(0.2_{1,2}) = f(3.2_{2,4}, 2.2_{1,2,4}, 1.2._{1,4})$

2.3. Functions with $w = (0.3_{2,3})$

1. $(0.3_{2,3}) = f(1.1._{1,3,4}, 2.1_{1,4})$
2. $(0.3_{2,3}) = f(1.1._{1,3,4}, 2.1_{1,4}, 3.1_{3,4})$
3. $(0.3_{2,3}) = f(1.1._{1,3,4}, 3.1_{3,4})$
4. $(0.3_{2,3}) = f(1.1._{1,3,4}, 3.1_{3,4}, 2.1_{1,4})$
5. $(0.3_{2,3}) = f(1.2._{1,4}, 2.1_{1,4})$
6. $(0.3_{2,3}) = f(1.2._{1,4}, 2.1_{1,4}, 3.1_{3,4})$
7. $(0.3_{2,3}) = f(1.2._{1,4}, 2.2_{1,2,4})$
8. $(0.3_{2,3}) = f(1.2._{1,4}, 2.2_{1,2,4}, 3.1_{3,4})$
9. $(0.3_{2,3}) = f(1.2._{1,4}, 2.2_{1,2,4}, 3.2_{2,4})$
10. $(0.3_{2,3}) = f(1.2._{1,4}, 3.1_{3,4})$
11. $(0.3_{2,3}) = f(1.2._{1,4}, 3.1_{3,4}, 2.1_{1,4})$
12. $(0.3_{2,3}) = f(1.2._{1,4}, 3.1_{3,4}, 2.2_{1,2,4})$
13. $(0.3_{2,3}) = f(1.2._{1,4}, 3.2_{2,4})$
14. $(0.3_{2,3}) = f(1.2._{1,4}, 3.2_{2,4}, 2.2_{1,2,4})$
15. $(0.3_{2,3}) = f(1.3_{3,4}, 2.1_{1,4})$
16. $(0.3_{2,3}) = f(1.3_{3,4}, 2.1_{1,4}, 3.1_{3,4})$
17. $(0.3_{2,3}) = f(1.3_{3,4}, 2.2_{1,2,4})$
18. $(0.3_{2,3}) = f(1.3_{3,4}, 2.2_{1,2,4}, 3.1_{3,4})$
19. $(0.3_{2,3}) = f(1.3_{3,4}, 2.2_{1,2,4}, 3.2_{2,4})$
20. $(0.3_{2,3}) = f(1.3_{3,4}, 2.3_{2,4})$
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22. $(0.3_{2,3}) = f(1.3_{3,4}, 2.3_{2,4}, 3.2_{2,4})$
23. $(0.3_{2,3}) = f(1.3_{3,4}, 2.3_{2,4}, 3.3_{2,3,4})$
24. $(0.3_{2,3}) = f(1.3_{3,4}, 3.1_{3,4})$
25. $(0.3_{2,3}) = f(1.3_{3,4}, 3.1_{3,4}, 2.1_{1,4})$
26. $(0.3_{2,3}) = f(1.3_{3,4}, 3.1_{3,4}, 2.2_{1,2,4})$
27. $(0.3_{2,3}) = f(1.3_{3,4}, 3.1_{3,4}, 2.3_{2,4})$
28. $(0.3_{2,3}) = f(1.3_{3,4}, 3.2_{2,4})$
29. $(0.3_{2,3}) = f(1.3_{3,4}, 3.2_{2,4}, 2.2_{1,2,4})$
30. $(0.3_{2,3}) = f(1.3_{3,4}, 3.2_{2,4}, 2.3_{2,4})$
31. $(0.3_{2,3}) = f(1.3_{3,4}, 3.3_{2,3,4})$
32. $(0.3_{2,3}) = f(1.3_{3,4}, 3.3_{2,3,4}, 2.3_{2,4})$
33. $(0.3_{2,3}) = f(2.1_{1,4}, 1.1._{1,3,4})$
34. $(0.3_{2,3}) = f(2.1_{1,4}, 1.1._{1,3,4}, 3.1_{3,4})$
35. $(0.3_{2,3}) = f(2.1_{1,4}, 1.2._{1,4}, 3.1_{3,4})$
36. $(0.3_{2,3}) = f(2.1_{1,4}, 1.3_{3,4})$
37. $(0.3_{2,3}) = f(2.1_{1,4}, 1.3_{3,4}, 3.1_{3,4})$
38. $(0.3_{2,3}) = f(2.1_{1,4}, 3.1_{3,4})$
39. $(0.3_{2,3}) = f(2.1_{1,4}, 3.1_{3,4}, 1.1_{1,3,4})$

40. $(0.3_{2,3}) = f(2.1_{1,4}, 3.1_{3,4}, 1.2._{1,4})$
41. $(0.3_{2,3}) = f(2.1_{1,4}, 3.1_{3,4}, 1.3_{3,4})$
42. $(0.3_{2,3}) = f(2.2_{1,2,4}, 1.2._{1,4})$
43. $(0.3_{2,3}) = f(2.2_{1,2,4}, 1.2._{1,4}, 3.1_{3,4})$
44. $(0.3_{2,3}) = f(2.2_{1,2,4}, 1.2._{1,4}, 3.2_{2,4})$
45. $(0.3_{2,3}) = f(2.2_{1,2,4}, 1.3_{3,4})$
46. $(0.3_{2,3}) = f(2.2_{1,2,4}, 1.3_{3,4}, 3.1_{3,4})$
47. $(0.3_{2,3}) = f(2.2_{1,2,4}, 1.3_{3,4}, 3.2_{2,4})$
48. $(0.3_{2,3}) = f(2.2_{1,2,4}, 3.1_{3,4})$
49. $(0.3_{2,3}) = f(2.2_{1,2,4}, 3.1_{3,4}, 1.2._{1,4})$
50. $(0.3_{2,3}) = f(2.2_{1,2,4}, 3.1_{3,4}, 1.3_{3,4})$
51. $(0.3_{2,3}) = f(2.2_{1,2,4}, 3.2_{2,4})$
52. $(0.3_{2,3}) = f(2.2_{1,2,4}, 3.2_{2,4}, 1.2._{1,4})$
53. $(0.3_{2,3}) = f(2.2_{1,2,4}, 3.2_{2,4}, 1.3_{3,4})$
54. $(0.3_{2,3}) = f(2.3_{2,4}, 1.3_{3,4})$
55. $(0.3_{2,3}) = f(2.3_{2,4}, 1.3_{3,4}, 3.1_{3,4})$
56. $(0.3_{2,3}) = f(2.3_{2,4}, 1.3_{3,4}, 3.2_{2,4})$
57. $(0.3_{2,3}) = f(2.3_{2,4}, 1.3_{3,4}, 3.3_{2,3,4})$
58. $(0.3_{2,3}) = f(2.3_{2,4}, 3.1_{3,4})$
59. $(0.3_{2,3}) = f(2.3_{2,4}, 3.1_{3,4}, 1.3_{3,4})$
60. $(0.3_{2,3}) = f(2.3_{2,4}, 3.2_{2,4})$
61. $(0.3_{2,3}) = f(2.3_{2,4}, 3.2_{2,4}, 1.3_{3,4})$
62. $(0.3_{2,3}) = f(2.3_{2,4}, 3.3_{2,3,4}, 1.3_{3,4})$
63. $(0.3_{2,3}) = f(3.1_{3,4}, 1.1._{1,3,4})$
64. $(0.3_{2,3}) = f(3.1_{3,4}, 1.1._{1,3,4}, 2.1_{1,4})$
65. $(0.3_{2,3}) = f(3.1_{3,4}, 1.2._{1,4})$
66. $(0.3_{2,3}) = f(3.1_{3,4}, 1.2._{1,4}, 2.1_{1,4})$
67. $(0.3_{2,3}) = f(3.1_{3,4}, 1.2._{1,4}, 2.2_{1,2,4})$
68. $(0.3_{2,3}) = f(3.1_{3,4}, 1.3_{3,4})$
69. $(0.3_{2,3}) = f(3.1_{3,4}, 1.3_{3,4}, 2.1_{1,4})$
70. $(0.3_{2,3}) = f(3.1_{3,4}, 1.3_{3,4}, 2.2_{1,2,4})$
71. $(0.3_{2,3}) = f(3.1_{3,4}, 1.3_{3,4}, 2.3_{2,4})$
72. $(0.3_{2,3}) = f(3.1_{3,4}, 2.1_{1,4})$
73. $(0.3_{2,3}) = f(3.1_{3,4}, 2.1_{1,4}, 1.1._{1,3,4})$
74. $(0.3_{2,3}) = f(3.1_{3,4}, 2.1_{1,4}, 1.2._{1,4})$
75. $(0.3_{2,3}) = f(3.1_{3,4}, 2.1_{1,4}, 1.3_{3,4})$
76. $(0.3_{2,3}) = f(3.1_{3,4}, 2.2_{1,2,4})$
77. $(0.3_{2,3}) = f(3.1_{3,4}, 2.2_{1,2,4}, 1.2._{1,4})$
78. $(0.3_{2,3}) = f(3.1_{3,4}, 2.2_{1,2,4}, 1.3_{3,4})$
79. $(0.3_{2,3}) = f(3.1_{3,4}, 2.3_{2,4})$
80. $(0.3_{2,3}) = f(3.1_{3,4}, 2.3_{2,4}, 1.3_{3,4})$

81. $(0.3_{2,3}) = f(3.2_{2,4}, 1.2._{1,4})$
82. $(0.3_{2,3}) = f(3.2_{2,4}, 1.2._{1,4}, 2.2_{1,2,4})$
83. $(0.3_{2,3}) = f(3.2_{2,4}, 1.3_{3,4})$
84. $(0.3_{2,3}) = f(3.2_{2,4}, 1.3_{3,4}, 2.2_{1,2,4})$
85. $(0.3_{2,3}) = f(3.2_{2,4}, 1.3_{3,4}, 2.3_{2,4})$
86. $(0.3_{2,3}) = f(3.2_{2,4}, 2.2_{1,2,4})$
87. $(0.3_{2,3}) = f(3.2_{2,4}, 2.2_{1,2,4}, 1.2._{1,4})$
88. $(0.3_{2,3}) = f(3.2_{2,4}, 2.2_{1,2,4}, 1.3_{3,4})$
89. $(0.3_{2,3}) = f(3.2_{2,4}, 2.3_{2,4})$
90. $(0.3_{2,3}) = f(3.2_{2,4}, 2.3_{2,4}, 1.3_{3,4})$
91. $(0.3_{2,3}) = f(3.3_{2,3,4}, 1.3_{3,4}, 2.3_{2,4})$
92. $(0.3_{2,3}) = f(3.3_{2,3,4}, 2.3_{2,4}, 1.3_{3,4})$

2.4. Functions with w = $(1.0_{1,3})$

1. $(1.0_{1,3}) = f(1.1._{1,3,4}, 1.2._{1,4})$
2. $(1.0_{1,3}) = f(1.1._{1,3,4}, 1.2._{1,4}, 1.3_{3,4})$
3. $(1.0_{1,3}) = f(1.1._{1,3,4}, 1.3_{3,4})$
4. $(1.0_{1,3}) = f(1.1._{1,3,4}, 1.3_{3,4}, 1.2._{1,4})$
5. $(1.0_{1,3}) = f(1.2._{1,4}, 1.1._{1,3,4})$
6. $(1.0_{1,3}) = f(1.2._{1,4}, 1.1._{1,3,4}, 1.3_{3,4})$
7. $(1.0_{1,3}) = f(1.2._{1,4}, 1.3_{3,4})$
8. $(1.0_{1,3}) = f(1.2._{1,4}, 1.3_{3,4}, 1.1._{1,3,4})$
9. $(1.0_{1,3}) = f(1.3_{3,4}, 1.1._{1,3,4})$
10. $(1.0_{1,3}) = f(1.3_{3,4}, 1.1._{1,3,4}, 1.2._{1,4})$
11. $(1.0_{1,3}) = f(1.3_{3,4}, 1.2._{1,4})$
12. $(1.0_{1,3}) = f(1.3_{3,4}, 1.2._{1,4}, 1.1._{1,3,4})$

2.5. Functions with w = $(1.1_{1,3,4})$

1. $(1.1._{1,3,4}) = f(0.1_{1,3}, 2.1_{1,4})$
2. $(1.1._{1,3,4}) = f(0.1_{1,3}, 2.1_{1,4}, 3.1_{3,4})$
3. $(1.1._{1,3,4}) = f(0.1_{1,3}, 3.1_{3,4})$
4. $(1.1._{1,3,4}) = f(0.1_{1,3}, 3.1_{3,4}, 2.1_{1,4})$
5. $(1.1._{1,3,4}) = f(0.2_{1,2}, 2.1_{1,4})$
6. $(1.1._{1,3,4}) = f(0.2_{1,2}, 2.1_{1,4}, 3.1_{3,4})$
7. $(1.1._{1,3,4}) = f(0.2_{1,2}, 3.1_{3,4})$
8. $(1.1._{1,3,4}) = f(0.2_{1,2}, 3.1_{3,4}, 2.1_{1,4})$
9. $(1.1._{1,3,4}) = f(0.3_{2,3}, 2.1_{1,4})$
10. $(1.1._{1,3,4}) = f(0.3_{2,3}, 2.1_{1,4}, 3.1_{3,4})$
11. $(1.1._{1,3,4}) = f(0.3_{2,3}, 3.1_{3,})$

12. $(1.1_{1,3,4}) = f(0.3_{2,3}, 3.1_{3,4}, 2.1_{1,4})$
13. $(1.1_{1,3,4}) = f(1.0_{1,3}, 1.2_{1,4})$
14. $(1.1_{1,3,4}) = f(1.0_{1,3}, 1.2_{1,4}, 1.3_{3,4})$
15. $(1.1_{1,3,4}) = f(1.0_{1,3}, 1.3_{3,4})$
16. $(1.1_{1,3,4}) = f(1.0_{1,3}, 1.3_{3,4}, 1.2_{1,4})$
17. $(1.1_{1,3,4}) = f(1.2_{1,4}, 1.0_{1,3})$
18. $(1.1_{1,3,4}) = f(1.2_{1,4}, 1.0_{1,3}, 1.3_{3,4})$
19. $(1.1_{1,3,4}) = f(1.2_{1,4}, 1.3_{3,4})$
20. $(1.1_{1,3,4}) = f(1.2_{1,4}, 1.3_{3,4}, 1.0_{1,3})$
21. $(1.1_{1,3,4}) = f(1.2_{1,4}, 1.3_{3,4}, 2.0_{1,2})$
22. $(1.1_{1,3,4}) = f(1.2_{1,4}, 1.3_{3,4}, 3.0_{2,3})$
23. $(1.1_{1,3,4}) = f(1.2_{1,4}, 2.0_{1,2})$
24. $(1.1_{1,3,4}) = f(1.2_{1,4}, 2.0_{1,2}, 1.3_{3,4})$
25. $(1.1_{1,3,4}) = f(1.2_{1,4}, 3.0_{2,3})$
26. $(1.1_{1,3,4}) = f(1.2_{1,4}, 3.0_{2,3}, 1.3_{3,4})$
27. $(1.1_{1,3,4}) = f(1.3_{3,4}, 1.0_{1,3})$
28. $(1.1_{1,3,4}) = f(1.3_{3,4}, 1.0_{1,3}, 1.2_{1,4})$
29. $(1.1_{1,3,4}) = f(1.3_{3,4}, 1.2_{1,4})$
30. $(1.1_{1,3,4}) = f(1.3_{3,4}, 1.2_{1,4}, 1.0_{1,3})$
31. $(1.1_{1,3,4}) = f(1.3_{3,4}, 1.2_{1,4}, 2.0_{1,2})$
32. $(1.1_{1,3,4}) = f(1.3_{3,4}, 1.2_{1,4}, 3.0_{2,3})$
33. $(1.1_{1,3,4}) = f(1.3_{3,4}, 2.0_{1,2})$
34. $(1.1_{1,3,4}) = f(1.3_{3,4}, 2.0_{1,2}, 1.2_{1,4})$
35. $(1.1_{1,3,4}) = f(1.3_{3,4}, 3.0_{2,3})$
36. $(1.1_{1,3,4}) = f(1.3_{3,4}, 3.0_{2,3}, 1.2_{1,4})$
37. $(1.1_{1,3,4}) = f(2.0_{1,2}, 1.2_{1,4})$
38. $(1.1_{1,3,4}) = f(2.0_{1,2}, 1.2_{1,4}, 1.3_{3,4})$
39. $(1.1_{1,3,4}) = f(2.0_{1,2}, 1.3_{3,4})$
40. $(1.1_{1,3,4}) = f(2.0_{1,2}, 1.3_{3,4}, 1.2_{1,4})$
41. $(1.1_{1,3,4}) = f(2.1_{1,4}, 0.1_{1,3})$
42. $(1.1_{1,3,4}) = f(2.1_{1,4}, 0.1_{1,3}, 3.1_{3,4})$
43. $(1.1_{1,3,4}) = f(2.1_{1,4}, 0.2_{1,2})$
44. $(1.1_{1,3,4}) = f(2.1_{1,4}, 0.2_{1,2}, 3.1_{3,4})$
45. $(1.1_{1,3,4}) = f(2.1_{1,4}, 0.3_{2,3})$
46. $(1.1_{1,3,4}) = f(2.1_{1,4}, 0.3_{2,3}, 3.1_{3,4})$
47. $(1.1_{1,3,4}) = f(2.1_{1,4}, 3.1_{3,4})$
48. $(1.1_{1,3,4}) = f(2.1_{1,4}, 3.1_{3,4}, 0.1_{1,3})$
49. $(1.1_{1,3,4}) = f(2.1_{1,4}, 3.1_{3,4}, 0.2_{1,2})$
50. $(1.1_{1,3,4}) = f(2.1_{1,4}, 3.1_{3,4}, 0.3_{2,3})$
51. $(1.1_{1,3,4}) = f(3.0_{2,3}, 1.2_{1,4})$
52. $(1.1_{1,3,4}) = f(3.0_{2,3}, 1.2_{1,4}, 1.3_{3,4})$

53. $(1.1._{1,3,4}) = f(3.0_{2,3}, 1.3_{3,4})$
54. $(1.1._{1,3,4}) = f(3.0_{2,3}, 1.3_{3,4}, 1.2._{1,4})$
55. $(1.1._{1,3,4}) = f(3.1_{3,4}, 0.1_{1,3})$
56. $(1.1._{1,3,4}) = f(3.1_{3,4}, 0.1_{1,3}, 2.1_{1,4})$
57. $(1.1._{1,3,4}) = f(3.1_{3,4}, 0.2_{1,2})$
58. $(1.1._{1,3,4}) = f(3.1_{3,4}, 0.2_{1,2}, 2.1_{1,4})$
59. $(1.1._{1,3,4}) = f(3.1_{3,4}, 0.3_{2,3})$
60. $(1.1._{1,3,4}) = f(3.1_{3,4}, 0.3_{2,3}, 2.1_{1,4})$
61. $(1.1._{1,3,4}) = f(3.1_{3,4}, 2.1_{1,4})$
62. $(1.1._{1,3,4}) = f(3.1_{3,4}, 2.1_{1,4}, 0.1_{1,3})$
63. $(1.1._{1,3,4}) = f(3.1_{3,4}, 2.1_{1,4}, 0.2_{1,2})$
64. $(1.1._{1,3,4}) = f(3.1_{3,4}, 2.1_{1,4}, 0.3_{2,3})$

2.6. Functions with w = $(1.2._{1,4})$

1. $(1.2._{1,4}) = f(0.2_{1,2}, 2.1_{1,4})$
2. $(1.2._{1,4}) = f(0.2_{1,2}, 2.1_{1,4}, 3.1_{3,4})$
3. $(1.2._{1,4}) = f(0.2_{1,2}, 2.2_{1,2,4})$
4. $(1.2._{1,4}) = f(0.2_{1,2}, 2.2_{1,2,4}, 3.1_{3,4})$
5. $(1.2._{1,4}) = f(0.2_{1,2}, 2.2_{1,2,4}, 3.2_{2,4})$
6. $(1.2._{1,4}) = f(0.2_{1,2}, 3.1_{3,4})$
7. $(1.2._{1,4}) = f(0.2_{1,2}, 3.1_{3,4}, 2.1_{1,4})$
8. $(1.2._{1,4}) = f(0.2_{1,2}, 3.1_{3,4}, 2.2_{1,2,4})$
9. $(1.2._{1,4}) = f(0.2_{1,2}, 3.2_{2,4})$
10. $(1.2._{1,4}) = f(0.2_{1,2}, 3.2_{2,4}, 2.2_{1,2,4})$
11. $(1.2._{1,4}) = f(0.3_{2,3}, 2.1_{1,4})$
12. $(1.2._{1,4}) = f(0.3_{2,3}, 2.1_{1,4}, 3.1_{3,4})$
13. $(1.2._{1,4}) = f(0.3_{2,3}, 2.2_{1,2,4})$
14. $(1.2._{1,4}) = f(0.3_{2,3}, 2.2_{1,2,4}, 3.1_{3,4})$
15. $(1.2._{1,4}) = f(0.3_{2,3}, 2.2_{1,2,4}, 3.2_{2,4})$
16. $(1.2._{1,4}) = f(0.3_{2,3}, 3.1_{3,4})$
17. $(1.2._{1,4}) = f(0.3_{2,3}, 3.1_{3,4}, 2.1_{1,4})$
18. $(1.2._{1,4}) = f(0.3_{2,3}, 3.1_{3,4}, 2.2_{1,2,4})$
19. $(1.2._{1,4}) = f(0.3_{2,3}, 3.2_{2,4})$
20. $(1.2._{1,4}) = f(0.3_{2,3}, 3.2_{2,4}, 2.2_{1,2,4})$
21. $(1.2._{1,4}) = f(1.0_{1,3}, 1.1._{1,3,4})$
22. $(1.2._{1,4}) = f(1.0_{1,3}, 1.1._{1,3,4}, 1.3_{3,4})$
23. $(1.2._{1,4}) = f(1.0_{1,3}, 1.3_{3,4})$
24. $(1.2._{1,4}) = f(1.0_{1,3}, 1.3_{3,4}, 1.1._{1,3,4})$
25. $(1.2._{1,4}) = f(1.1._{1,3,4}, 1.0_{1,3})$
26. $(1.2._{1,4}) = f(1.1._{1,3,4}, 1.0_{1,3}, 1.3_{3,4})$

27. $(1.2._{1,4}) = f(1.1._{\cdot 1,3,4}, 1.3_{3,4})$
28. $(1.2._{1,4}) = f(1.1._{\cdot 1,3,4}, 1.3_{3,4}, 1.0_{1,3})$
29. $(1.2._{1,4}) = f(1.1._{\cdot 1,3,4}, 1.3_{3,4}, 2.0_{1,2})$
30. $(1.2._{1,4}) = f(1.1._{\cdot 1,3,4}, 1.3_{3,4}, 3.0_{2,3})$
31. $(1.2._{1,4}) = f(1.1._{\cdot 1,3,4}, 2.0_{1,2})$
32. $(1.2._{1,4}) = f(1.1._{\cdot 1,3,4}, 2.0_{1,2}, 1.3_{3,4})$
33. $(1.2._{1,4}) = f(1.1._{\cdot 1,3,4}, 3.0_{2,3})$
34. $(1.2._{1,4}) = f(1.1._{\cdot 1,3,4}, 3.0_{2,3}, 1.3_{3,4})$
35. $(1.2._{1,4}) = f(1.3_{3,4}, 1.0_{1,3})$
36. $(1.2._{1,4}) = f(1.3_{3,4}, 1.0_{1,3}, 1.1._{\cdot 1,3,4})$
37. $(1.2._{1,4}) = f(1.3_{3,4}, 1.1._{\cdot 1,3,4})$
38. $(1.2._{1,4}) = f(1.3_{3,4}, 1.1._{\cdot 1,3,4}, 1.0_{1,3})$
39. $(1.2._{1,4}) = f(1.3_{3,4}, 1.1._{\cdot 1,3,4}, 2.0_{1,2})$
40. $(1.2._{1,4}) = f(1.3_{3,4}, 1.1._{\cdot 1,3,4}, 3.0_{2,3})$
41. $(1.2._{1,4}) = f(1.3_{3,4}, 2.0_{1,2})$
42. $(1.2._{1,4}) = f(1.3_{3,4}, 2.0_{1,2}, 1.1._{\cdot 1,3,4})$
43. $(1.2._{1,4}) = f(1.3_{3,4}, 2.1_{1,4})$
44. $(1.2._{1,4}) = f(1.3_{3,4}, 2.1_{1,4}, 2.0_{1,2})$
45. $(1.2._{1,4}) = f(1.3_{3,4}, 3.0_{2,3})$
46. $(1.2._{1,4}) = f(1.3_{3,4}, 3.0_{2,3}, 1.1._{\cdot 1,3,4})$
47. $(1.2._{1,4}) = f(1.3_{3,4}, 3.0_{2,3}, 2.1_{1,4})$
48. $(1.2._{1,4}) = f(1.3_{3,4}, 3.0_{2,3}, 3.1_{3,4})$
49. $(1.2._{1,4}) = f(1.3_{3,4}, 3.1_{3,4})$
50. $(1.2._{1,4}) = f(1.3_{3,4}, 3.1_{3,4}, 3.0_{2,3})$
51. $(1.2._{1,4}) = f(2.0_{1,2}, 1.1._{\cdot 1,3,4})$
52. $(1.2._{1,4}) = f(2.0_{1,2}, 1.3_{3,4}\ 2.1_{1,4})$
53. $(1.2._{1,4}) = f(2.0_{1,2}, 1.3_{3,4})$
54. $(1.2._{1,4}) = f(2.0_{1,2}, 1.3_{3,4}, 1.1._{\cdot 1,3,4})$
55. $(1.2._{1,4}) = f(2.0_{1,2}, 2.1_{1,4})$
56. $(1.2._{1,4}) = f(2.0_{1,2}, 2.1_{1,4}, 1.3_{3,4})$
57. $(1.2._{1,4}) = f(2.1_{1,4}, 0.2_{1,2})$
58. $(1.2._{1,4}) = f(2.1_{1,4}, 0.2_{1,2}, 3.1_{3,4})$
59. $(1.2._{1,4}) = f(2.1_{1,4}, 0.3_{2,3})$
60. $(1.2._{1,4}) = f(2.1_{1,4}, 0.3_{2,3}, 3.1_{3,4})$
61. $(1.2._{1,4}) = f(2.1_{1,4}, 1.3_{3,4})$
62. $(1.2._{1,4}) = f(2.1_{1,4}, 1.3_{3,4}, 2.0_{1,2})$
63. $(1.2._{1,4}) = f(2.1_{1,4}, 1.3_{3,4}, 3.0_{2,3})$
64. $(1.2._{1,4}) = f(2.1_{1,4}, 2.0_{1,2})$
65. $(1.2._{1,4}) = f(2.1_{1,4}, 2.0_{1,2}, 1.3_{3,4})$
66. $(1.2._{1,4}) = f(2.1_{1,4}, 3.0_{2,3})$
67. $(1.2._{1,4}) = f(2.1_{1,4}, 3.0_{2,3}, 1.3_{3,4})$

68. $(1.2._{1,4}) = f(2.1_{1,4}, 3.1_{3,4})$
69. $(1.2._{1,4}) = f(2.1_{1,4}, 3.1_{3,4}, 0.2_{1,2})$
70. $(1.2._{1,4}) = f(2.1_{1,4}, 3.1_{3,4}, 0.3_{2,3})$
71. $(1.2._{1,4}) = f(2.2_{1,2,4}, 0.2_{1,2})$
72. $(1.2._{1,4}) = f(2.2_{1,2,4}, 0.2_{1,2}, 3.1_{3,4})$
73. $(1.2._{1,4}) = f(2.2_{1,2,4}, 0.2_{1,2}, 3.2_{2,4})$
74. $(1.2._{1,4}) = f(2.2_{1,2,4}, 0.3_{2,3})$
75. $(1.2._{1,4}) = f(2.2_{1,2,4}, 0.3_{2,3}, 3.1_{3,4})$
76. $(1.2._{1,4}) = f(2.2_{1,2,4}, 0.3_{2,3}, 3.2_{2,4})$
77. $(1.2._{1,4}) = f(2.2_{1,2,4}, 3.1_{3,4})$
78. $(1.2._{1,4}) = f(2.2_{1,2,4}, 3.1_{3,4}, 0.2_{1,2})$
79. $(1.2._{1,4}) = f(2.2_{1,2,4}, 3.1_{3,4}, 0.3_{2,3})$
80. $(1.2._{1,4}) = f(2.2_{1,2,4}, 3.2_{2,4})$
81. $(1.2._{1,4}) = f(2.2_{1,2,4}, 3.2_{2,4}, 0.2_{1,2})$
82. $(1.2._{1,4}) = f(2.2_{1,2,4}, 3.2_{2,4}, 0.3_{2,3})$
83. $(1.2._{1,4}) = f(3.0_{2,3}, 1.1._{1,3,4})$
84. $(1.2._{1,4}) = f(3.0_{2,3}, 1.1._{1,3,4}, 1.3_{3,4})$
85. $(1.2._{1,4}) = f(3.0_{2,3}, 1.3_{3,4})$
86. $(1.2._{1,4}) = f(3.0_{2,3}, 1.3_{3,4}, 1.1._{1,3,4})$
87. $(1.2._{1,4}) = f(3.0_{2,3}, 1.3_{3,4}, 2.1_{1,4})$
88. $(1.2._{1,4}) = f(3.0_{2,3}, 1.3_{3,4}, 3.1_{3,4})$
89. $(1.2._{1,4}) = f(3.0_{2,3}, 2.1_{1,4})$
90. $(1.2._{1,4}) = f(3.0_{2,3}, 2.1_{1,4}, 1.3_{3,4})$
91. $(1.2._{1,4}) = f(3.0_{2,3}, 3.1_{3,4})$
92. $(1.2._{1,4}) = f(3.0_{2,3}, 3.1_{3,4}, 1.3_{3,4})$
93. $(1.2._{1,4}) = f(3.1_{3,4}, 0.2_{1,2})$
94. $(1.2._{1,4}) = f(3.1_{3,4}, 0.2_{1,2}, 2.1_{1,4})$
95. $(1.2._{1,4}) = f(3.1_{3,4}, 0.2_{1,2}, 2.2_{1,2,4})$
96. $(1.2._{1,4}) = f(3.1_{3,4}, 0.3_{2,3})$
97. $(1.2._{1,4}) = f(3.1_{3,4}, 0.3_{2,3}, 2.1_{1,4})$
98. $(1.2._{1,4}) = f(3.1_{3,4}, 0.3_{2,3}, 2.2_{1,2,4})$
99. $(1.2._{1,4}) = f(3.1_{3,4}, 1.3_{3,4})$
100. $(1.2._{1,4}) = f(3.1_{3,4}, 1.3_{3,4}, 3.0_{2,3})$
101. $(1.2._{1,4}) = f(3.1_{3,4}, 2.1_{1,4})$
102. $(1.2._{1,4}) = f(3.1_{3,4}, 2.1_{1,4}, 0.2_{1,2})$
103. $(1.2._{1,4}) = f(3.1_{3,4}, 2.1_{1,4}, 0.3_{2,3})$
104. $(1.2._{1,4}) = f(3.1_{3,4}, 2.2_{1,2,4})$
105. $(1.2._{1,4}) = f(3.1_{3,4}, 2.2_{1,2,4}, 0.2_{1,2})$
106. $(1.2._{1,4}) = f(3.1_{3,4}, 2.2_{1,2,4}, 0.3_{2,3})$
107. $(1.2._{1,4}) = f(3.1_{3,4}, 3.0_{2,3})$
108. $(1.2._{1,4}) = f(3.1_{3,4}, 3.0_{2,3}, 1.3_{3,4})$

109. $(1.2._{1,4}) = f(3.2_{2,4}, 0.2_{1,2})$
110. $(1.2._{1,4}) = f(3.2_{2,4}, 0.2_{1,2}, 2.2_{1,2,4})$
111. $(1.2._{1,4}) = f(3.2_{2,4}, 0.3_{2,3})$
112. $(1.2._{1,4}) = f(3.2_{2,4}, 0.3_{2,3}, 2.2_{1,2,4})$
113. $(1.2._{1,4}) = f(3.2_{2,4}, 2.2_{1,2,4})$
114. $(1.2._{1,4}) = f(3.2_{2,4}, 2.2_{1,2,4}, 0.2_{1,2})$
115. $(1.2._{1,4}) = f(3.2_{2,4}, 2.2_{1,2,4}, 0.3_{2,3})$

2.7. Functions with w = $(1.3_{3,4})$

1. $(1.3_{3,4}) = f(0.3_{2,3}, 2.1_{1,4})$
2. $(1.3_{3,4}) = f(0.3_{2,3}, 2.1_{1,4}, 3.1_{3,4})$
3. $(1.3_{3,4}) = f(0.3_{2,3}, 2.2_{1,2,4})$
4. $(1.3_{3,4}) = f(0.3_{2,3}, 2.2_{1,2,4}, 3.1_{3,4})$
5. $(1.3_{3,4}) = f(0.3_{2,3}, 2.2_{1,2,4}, 3.2_{2,4})$
6. $(1.3_{3,4}) = f(0.3_{2,3}, 2.3_{2,4})$
7. $(1.3_{3,4}) = f(0.3_{2,3}, 2.3_{2,4}, 3.1_{3,4})$
8. $(1.3_{3,4}) = f(0.3_{2,3}, 2.3_{2,4}, 3.2_{2,4})$
9. $(1.3_{3,4}) = f(0.3_{2,3}, 2.3_{2,4}, 3.3_{2,3,4})$
10. $(1.3_{3,4}) = f(0.3_{2,3}, 3.1_{3,4})$
11. $(1.3_{3,4}) = f(0.3_{2,3}, 3.1_{3,4}, 2.1_{1,4})$
12. $(1.3_{3,4}) = f(0.3_{2,3}, 3.1_{3,4}, 2.2_{1,2,4})$
13. $(1.3_{3,4}) = f(0.3_{2,3}, 3.1_{3,4}, 2.3_{2,4})$
14. $(1.3_{3,4}) = f(0.3_{2,3}, 3.2_{2,4})$
15. $(1.3_{3,4}) = f(0.3_{2,3}, 3.2_{2,4}, 2.2_{1,2,4})$
16. $(1.3_{3,4}) = f(0.3_{2,3}, 3.2_{2,4}, 2.3_{2,4})$
17. $(1.3_{3,4}) = f(0.3_{2,3}, 3.3_{2,3,4})$
18. $(1.3_{3,4}) = f(0.3_{2,3}, 3.3_{2,3,4}, 2.3_{2,4})$
19. $(1.3_{3,4}) = f(1.0_{1,3}, 1.1._{1,3,4})$
20. $(1.3_{3,4}) = f(1.0_{1,3}, 1.1._{1,3,4}, 1.2._{1,4})$
21. $(1.3_{3,4}) = f(1.0_{1,3}, 1.2._{1,4})$
22. $(1.3_{3,4}) = f(1.0_{1,3}, 1.2._{1,4}, 1.1._{1,3,4})$
23. $(1.3_{3,4}) = f(1.1._{1,3,4}, 1.0_{1,3})$
24. $(1.3_{3,4}) = f(1.1._{1,3,4}, 1.0_{1,3}, 1.2._{1,4})$
25. $(1.3_{3,4}) = f(1.1._{1,3,4}, 1.2._{1,4})$
26. $(1.3_{3,4}) = f(1.1._{1,3,4}, 1.2._{1,4}, 1.0_{1,3})$
27. $(1.3_{3,4}) = f(1.1._{1,3,4}, 1.2._{1,4}, 2.0_{1,2})$
28. $(1.3_{3,4}) = f(1.1._{1,3,4}, 1.2._{1,4}, 3.0_{2,3})$
29. $(1.3_{3,4}) = f(1.1._{1,3,4}, 3.0_{2,3})$
30. $(1.3_{3,4}) = f(1.1._{1,3,4}, 3.0_{2,3}, 1.2._{1,4})$
31. $(1.3_{3,4}) = f(1.2._{1,4}, 1.0_{1,3})$

32. $(1.3_{3,4}) = f(1.2._{1,4}, 1.0_{1,3}, 1.1._{1,3,4})$

33. $(1.3_{3,4}) = f(1.2._{1,4}, 1.1._{1,3,4})$

34. $(1.3_{3,4}) = f(1.2._{1,4}, 1.1._{1,3,4}, 1.0_{1,3})$

35. $(1.3_{3,4}) = f(1.2._{1,4}, 1.1._{1,3,4}, 2.0_{1,2})$

36. $(1.3_{3,4}) = f(1.2._{1,4}, 1.1._{1,3,4}, 3.0_{2,3})$

37. $(1.3_{3,4}) = f(1.2._{1,4}, 2.0_{1,2})$

38. $(1.3_{3,4}) = f(1.2._{1,4}, 2.0_{1,2}, 1.1._{1,3,4})$

39. $(1.3_{3,4}) = f(1.2._{1,4}, 2.0_{1,2}, 2.1_{1,4})$

40. $(1.3_{3,4}) = f(1.2._{1,4}, 2.1_{1,4})$

41. $(1.3_{3,4}) = f(1.2._{1,4}, 2.1_{1,4}, 2.0_{1,2})$

42. $(1.3_{3,4}) = f(1.2._{1,4}, 2.1_{1,4}, 3.0_{2,3})$

43. $(1.3_{3,4}) = f(1.2._{1,4}, 3.0_{2,3})$

44. $(1.3_{3,4}) = f(1.2._{1,4}, 3.0_{2,3}, 1.1._{1,3,4})$

45. $(1.3_{3,4}) = f(1.2._{1,4}, 3.0_{2,3}, 2.1_{1,4})$

46. $(1.3_{3,4}) = f(1.2._{1,4}, 3.0_{2,3}, 3.1_{3,4})$

47. $(1.3_{3,4}) = f(1.2._{1,4}, 3.1_{3,4})$

48. $(1.3_{3,4}) = f(1.2._{1,4}, 3.1_{3,4}, 3.0_{2,3})$

49. $(1.3_{3,4}) = f(2.0_{1,2}, 1.1._{1,3,4})$

50. $(1.3_{3,4}) = f(2.0_{1,2}, 1.1._{1,3,4}, 1.2._{1,4})$

51. $(1.3_{3,4}) = f(2.0_{1,2}, 1.2._{1,4})$

52. $(1.3_{3,4}) = f(2.0_{1,2}, 1.2._{1,4}, 1.1._{1,3,4})$

53. $(1.3_{3,4}) = f(2.0_{1,2}, 1.2._{1,4}, 2.1_{1,4})$

54. $(1.3_{3,4}) = f(2.0_{1,2}, 2.1_{1,4})$

55. $(1.3_{3,4}) = f(2.0_{1,2}, 2.1_{1,4}, 1.2._{1,4})$

56. $(1.3_{3,4}) = f(2.0_{1,2}, 2.1_{1,4}, 2.2_{1,2,4})$

57. $(1.3_{3,4}) = f(2.0_{1,2}, 2.2_{1,2,4})$

58. $(1.3_{3,4}) = f(2.0_{1,2}, 2.2_{1,2,4}, 2.1_{1,4})$

59. $(1.3_{3,4}) = f(2.1_{1,4}, 0.3_{2,3})$

60. $(1.3_{3,4}) = f(2.1_{1,4}, 0.3_{2,3}, 3.1_{3,4})$

61. $(1.3_{3,4}) = f(2.1_{1,4}, 1.2._{1,4})$

62. $(1.3_{3,4}) = f(2.1_{1,4}, 1.2._{1,4}, 2.0_{1,2})$

63. $(1.3_{3,4}) = f(2.1_{1,4}, 1.2._{1,4}, 3.0_{2,3})$

64. $(1.3_{3,4}) = f(2.1_{1,4}, 2.0_{1,2})$

65. $(1.3_{3,4}) = f(2.1_{1,4}, 2.0_{1,2}, 1.2._{1,4})$

66. $(1.3_{3,4}) = f(2.1_{1,4}, 2.0_{1,2}, 2.2_{1,2,4})$

67. $(1.3_{3,4}) = f(2.1_{1,4}, 2.2_{1,2,4})$

68. $(1.3_{3,4}) = f(2.1_{1,4}, 2.2_{1,2,4}, 2.0_{1,2})$

69. $(1.3_{3,4}) = f(2.1_{1,4}, 2.2_{1,2,4}, 3.0_{2,3})$

70. $(1.3_{3,4}) = f(2.1_{1,4}, 3.0_{2,3})$

71. $(1.3_{3,4}) = f(2.1_{1,4}, 3.0_{2,3}, 1.2._{1,4})$

72. $(1.3_{3,4}) = f(2.1_{1,4}, 3.0_{2,3}, 2.2_{1,2,4})$

73. $(1.3_{3,4}) = f(2.1_{1,4}, 3.1_{3,4})$
74. $(1.3_{3,4}) = f(2.1_{1,4}, 3.1_{3,4}, 0.3_{2,3})$
75. $(1.3_{3,4}) = f(2.2_{1,2,4}, 0.3_{2,3})$
76. $(1.3_{3,4}) = f(2.2_{1,2,4}, 0.3_{2,3}, 3.1_{3,4})$
77. $(1.3_{3,4}) = f(2.2_{1,2,4}, 0.3_{2,3}, 3.2_{2,4})$
78. $(1.3_{3,4}) = f(2.2_{1,2,4}, 2.0_{1,2})$
79. $(1.3_{3,4}) = f(2.2_{1,2,4}, 2.0_{1,2}, 2.1_{1,4})$
80. $(1.3_{3,4}) = f(2.2_{1,2,4}, 2.1_{1,4})$
81. $(1.3_{3,4}) = f(2.2_{1,2,4}, 2.1_{1,4}, 2.0_{1,2})$
82. $(1.3_{3,4}) = f(2.2_{1,2,4}, 2.1_{1,4}, 3.0_{2,3})$
83. $(1.3_{3,4}) = f(2.2_{1,2,4}, 3.0_{2,3})$
84. $(1.3_{3,4}) = f(2.2_{1,2,4}, 3.0_{2,3}, 2.1_{1,4})$
85. $(1.3_{3,4}) = f(2.2_{1,2,4}, 3.0_{2,3}, 3.1_{3,4})$
86. $(1.3_{3,4}) = f(2.2_{1,2,4}, 3.1_{3,4})$
87. $(1.3_{3,4}) = f(2.2_{1,2,4}, 3.1_{3,4}, 0.3_{2,3})$
88. $(1.3_{3,4}) = f(2.2_{1,2,4}, 3.1_{3,4}, 3.0_{2,3})$
89. $(1.3_{3,4}) = f(2.2_{1,2,4}, 3.2_{2,4})$
90. $(1.3_{3,4}) = f(2.2_{1,2,4}, 3.2_{2,4}, 0.3_{2,3})$
91. $(1.3_{3,4}) = f(2.3_{2,4}, 0.3_{2,3})$
92. $(1.3_{3,4}) = f(2.3_{2,4}, 0.3_{2,3}, 3.1_{3,4})$
93. $(1.3_{3,4}) = f(2.3_{2,4}, 0.3_{2,3}, 3.2_{2,4})$
94. $(1.3_{3,4}) = f(2.3_{2,4}, 0.3_{2,3}, 3.3_{2,3,4})$
95. $(1.3_{3,4}) = f(2.3_{2,4}, 3.1_{3,4})$
96. $(1.3_{3,4}) = f(2.3_{2,4}, 3.1_{3,4}, 0.3_{2,3})$
97. $(1.3_{3,4}) = f(2.3_{2,4}, 3.2_{2,4})$
98. $(1.3_{3,4}) = f(2.3_{2,4}, 3.2_{2,4}, 0.3_{2,3})$
99. $(1.3_{3,4}) = f(2.3_{2,4}, 3.3_{2,3,4})$
100. $(1.3_{3,4}) = f(2.3_{2,4}, 3.3_{2,3,4}, 0.3_{2,3})$
101. $(1.3_{3,4}) = f(3.0_{2,3}, 1.1._{1,3,4})$
102. $(1.3_{3,4}) = f(3.0_{2,3}, 1.1._{1,3,4}, 1.2._{1,4})$
103. $(1.3_{3,4}) = f(3.0_{2,3}, 1.2._{1,4})$
104. $(1.3_{3,4}) = f(3.0_{2,3}, 1.2._{1,4}, 1.1._{1,3,4})$
105. $(1.3_{3,4}) = f(3.0_{2,3}, 1.2._{1,4}, 2.1_{1,4})$
106. $(1.3_{3,4}) = f(3.0_{2,3}, 1.2._{1,4}, 3.1_{3,4})$
107. $(1.3_{3,4}) = f(3.0_{2,3}, 2.1_{1,4})$
108. $(1.3_{3,4}) = f(3.0_{2,3}, 2.1_{1,4}, 1.2._{1,4})$
109. $(1.3_{3,4}) = f(3.0_{2,3}, 2.1_{1,4}, 2.2_{1,2,4})$
110. $(1.3_{3,4}) = f(3.0_{2,3}, 2.2_{1,2,4})$
111. $(1.3_{3,4}) = f(3.0_{2,3}, 2.2_{1,2,4}, 2.1_{1,4})$
112. $(1.3_{3,4}) = f(3.0_{2,3}, 2.2_{1,2,4}, 3.1_{3,4})$
113. $(1.3_{3,4}) = f(3.0_{2,3}, 3.1_{3,4})$

114. $(1.3_{3,4}) = f(3.0_{2,3}, 3.1_{3,4}, 1.2._{1,4})$
115. $(1.3_{3,4}) = f(3.0_{2,3}, 3.1_{3,4}, 2.2_{1,2,4})$
116. $(1.3_{3,4}) = f(3.0_{2,3}, 3.1_{3,4}, 3.2_{2,4})$
117. $(1.3_{3,4}) = f(3.0_{2,3}, 3.2_{2,4})$
118. $(1.3_{3,4}) = f(3.0_{2,3}, 3.2_{2,4}, 3.1_{3,4})$
119. $(1.3_{3,4}) = f(3.1_{3,4}, 0.3_{2,3})$
120. $(1.3_{3,4}) = f(3.1_{3,4}, 0.3_{2,3}, 2.1_{1,4})$
121. $(1.3_{3,4}) = f(3.1_{3,4}, 0.3_{2,3}, 2.2_{1,2,4})$
122. $(1.3_{3,4}) = f(3.1_{3,4}, 0.3_{2,3}, 2.3_{2,4})$
123. $(1.3_{3,4}) = f(3.1_{3,4}, 1.2._{1,4})$
124. $(1.3_{3,4}) = f(3.1_{3,4}, 1.2._{1,4}, 3.0_{2,3})$
125. $(1.3_{3,4}) = f(3.1_{3,4}, 2.1_{1,4})$
126. $(1.3_{3,4}) = f(3.1_{3,4}, 2.1_{1,4}, 0.3_{2,3})$
127. $(1.3_{3,4}) = f(3.1_{3,4}, 2.2_{1,2,4})$
128. $(1.3_{3,4}) = f(3.1_{3,4}, 2.2_{1,2,4}, 0.3_{2,3})$
129. $(1.3_{3,4}) = f(3.1_{3,4}, 2.2_{1,2,4}, 3.0_{2,3})$
130. $(1.3_{3,4}) = f(3.1_{3,4}, 2.3_{2,4})$
131. $(1.3_{3,4}) = f(3.1_{3,4}, 2.3_{2,4}, 0.3_{2,3})$
132. $(1.3_{3,4}) = f(3.1_{3,4}, 3.0_{2,3})$
133. $(1.3_{3,4}) = f(3.1_{3,4}, 3.0_{2,3}, 1.2._{1,4})$
134. $(1.3_{3,4}) = f(3.1_{3,4}, 3.0_{2,3}, 2.2_{1,2,4})$
135. $(1.3_{3,4}) = f(3.1_{3,4}, 3.0_{2,3}, 3.2_{2,4})$
136. $(1.3_{3,4}) = f(3.1_{3,4}, 3.2_{2,4})$
137. $(1.3_{3,4}) = f(3.1_{3,4}, 3.2_{2,4}, 3.0_{2,3})$
138. $(1.3_{3,4}) = f(3.2_{2,4}, 0.3_{2,3})$
139. $(1.3_{3,4}) = f(3.2_{2,4}, 0.3_{2,3}, 2.2_{1,2,4})$
140. $(1.3_{3,4}) = f(3.2_{2,4}, 0.3_{2,3}, 2.3_{2,4})$
141. $(1.3_{3,4}) = f(3.2_{2,4}, 2.2_{1,2,4})$
142. $(1.3_{3,4}) = f(3.2_{2,4}, 2.2_{1,2,4}, 0.3_{2,3})$
143. $(1.3_{3,4}) = f(3.2_{2,4}, 2.3_{2,4})$
144. $(1.3_{3,4}) = f(3.2_{2,4}, 2.3_{2,4}, 0.3_{2,3})$
145. $(1.3_{3,4}) = f(3.2_{2,4}, 3.0_{2,3})$
146. $(1.3_{3,4}) = f(3.2_{2,4}, 3.0_{2,3}, 3.1_{3,4})$
147. $(1.3_{3,4}) = f(3.2_{2,4}, 3.1_{3,4})$
148. $(1.3_{3,4}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
149. $(1.3_{3,4}) = f(3.3_{2,3,4}, 0.3_{2,3})$
150. $(1.3_{3,4}) = f(3.3_{2,3,4}, 0.3_{2,3}, 2.3_{2,4})$
151. $(1.3_{3,4}) = f(3.3_{2,3,4}, 2.3_{2,4})$
152. $(1.3_{3,4}) = f(3.3_{2,3,4}, 2.3_{2,4}, 0.3_{2,3})$

2.8. Functions with w = $(2.0_{1,2})$

1. $(2.0_{1,2}) = f(1.1._{1,3,4}, 1.2._{1,4})$
2. $(2.0_{1,2}) = f(1.1._{1,3,4}, 1.2._{1,4}, 1.3_{3,4})$
3. $(2.0_{1,2}) = f(1.1._{1,3,4}, 1.3_{3,4})$
4. $(2.0_{1,2}) = f(1.1._{1,3,4}, 1.3_{3,4}, 1.2._{1,4})$
5. $(2.0_{1,2}) = f(1.2._{1,4}, 1.1._{1,3,4})$
6. $(2.0_{1,2}) = f(1.2._{1,4}, 1.1._{1,3,4}, 1.3_{3,4})$
7. $(2.0_{1,2}) = f(1.2._{1,4}, 1.3_{3,4})$
8. $(2.0_{1,2}) = f(1.2._{1,4}, 1.3_{3,4}, 1.1._{1,3,4})$
9. $(2.0_{1,2}) = f(1.2._{1,4}, 1.3_{3,4}, 2.1_{1,4})$
10. $(2.0_{1,2}) = f(1.2._{1,4}, 2.1_{1,4}, 1.3_{3,4})$
11. $(2.0_{1,2}) = f(1.3_{3,4}, 1.1._{1,3,4})$
12. $(2.0_{1,2}) = f(1.3_{3,4}, 1.1._{1,3,4}, 1.2._{1,4})$
13. $(2.0_{1,2}) = f(1.3_{3,4}, 1.2._{1,4})$
14. $(2.0_{1,2}) = f(1.3_{3,4}, 1.2._{1,4}, 1.1._{1,3,4})$
15. $(2.0_{1,2}) = f(1.3_{3,4}, 1.2._{1,4}, 2.1_{1,4})$
16. $(2.0_{1,2}) = f(1.3_{3,4}, 2.1_{1,4})$
17. $(2.0_{1,2}) = f(1.3_{3,4}, 2.1_{1,4}, 1.2._{1,4})$
18. $(2.0_{1,2}) = f(1.3_{3,4}, 2.1_{1,4}, 2.2_{1,2,4})$
19. $(2.0_{1,2}) = f(1.3_{3,4}, 2.2_{1,2,4})$
20. $(2.0_{1,2}) = f(1.3_{3,4}, 2.2_{1,2,4}, 2.1_{1,4})$
21. $(2.0_{1,2}) = f(2.1_{1,4}, 1.2._{1,4})$
22. $(2.0_{1,2}) = f(2.1_{1,4}, 1.2._{1,4}, 1.3_{3,4})$
23. $(2.0_{1,2}) = f(2.1_{1,4}, 1.3_{3,4})$
24. $(2.0_{1,2}) = f(2.1_{1,4}, 1.3_{3,4}, 1.2._{1,4})$
25. $(2.0_{1,2}) = f(2.1_{1,4}, 1.3_{3,4}, 2.2_{1,2,4})$
26. $(2.0_{1,2}) = f(2.1_{1,4}, 2.2_{1,2,4})$
27. $(2.0_{1,2}) = f(2.1_{1,4}, 2.2_{1,2,4}, 1.3_{3,4})$
28. $(2.0_{1,2}) = f(2.1_{1,4}, 2.2_{1,2,4}, 2.3_{2,4})$
29. $(2.0_{1,2}) = f(2.1_{1,4}, 2.3_{2,4})$
30. $(2.0_{1,2}) = f(2.1_{1,4}, 2.3_{2,4}, 2.2_{1,2,4})$
31. $(2.0_{1,2}) = f(2.2_{1,2,4}, 1.3_{3,4})$
32. $(2.0_{1,2}) = f(2.2_{1,2,4}, 1.3_{3,4}, 2.1_{1,4})$
33. $(2.0_{1,2}) = f(2.2_{1,2,4}, 2.1_{1,4})$
34. $(2.0_{1,2}) = f(2.2_{1,2,4}, 2.1_{1,4}, 1.3_{3,4})$
35. $(2.0_{1,2}) = f(2.2_{1,2,4}, 2.1_{1,4}, 2.3_{2,4})$
36. $(2.0_{1,2}) = f(2.2_{1,2,4}, 2.3_{2,4})$
37. $(2.0_{1,2}) = f(2.2_{1,2,4}, 2.3_{2,4}, 2.1_{1,4})$
38. $(2.0_{1,2}) = f(2.3_{2,4}, 2.1_{1,4})$
39. $(2.0_{1,2}) = f(2.3_{2,4}, 2.1_{1,4}, 2.2_{1,2,4})$

40. $(2.0_{1,2}) = f(2.3_{2,4}, 2.2_{1,2,4})$
41. $(2.0_{1,2}) = f(2.3_{2,4}, 2.2_{1,2,4}, 2.1_{1,4})$

2.9. Functions with w = $(2.1_{1,4})$

1. $(2.1_{1,4}) = f(0.1_{1,3}, 1.1_{-1,3,4})$
2. $(2.1_{1,4}) = f(0.1_{1,3}, 1.1_{-1,3,4}, 3.1_{3,4})$
3. $(2.1_{1,4}) = f(0.2_{1,2}, 1.1_{-1,3,4})$
4. $(2.1_{1,4}) = f(0.2_{1,2}, 1.1_{-1,3,4}, 3.1_{3,4})$
5. $(2.1_{1,4}) = f(0.2_{1,2}, 1.2_{-1,4})$
6. $(2.1_{1,4}) = f(0.2_{1,2}, 1.2_{-1,4}, 3.1_{3,4})$
7. $(2.1_{1,4}) = f(0.2_{1,2}, 3.1_{3,4})$
8. $(2.1_{1,4}) = f(0.2_{1,2}, 3.1_{3,4}, 1.1_{-1,3,4})$
9. $(2.1_{1,4}) = f(0.2_{1,2}, 3.1_{3,4}, 1.2_{-1,4})$
10. $(2.1_{1,4}) = f(0.3_{2,3}, 1.1_{-1,3,4})$
11. $(2.1_{1,4}) = f(0.3_{2,3}, 1.1_{-1,3,4}, 3.1_{3,4})$
12. $(2.1_{1,4}) = f(0.3_{2,3}, 1.2_{-1,4})$
13. $(2.1_{1,4}) = f(0.3_{2,3}, 1.2_{-1,4}, 3.1_{3,4})$
14. $(2.1_{1,4}) = f(0.3_{2,3}, 1.3_{3,4})$
15. $(2.1_{1,4}) = f(0.3_{2,3}, 1.3_{3,4}, 3.1_{3,4})$
16. $(2.1_{1,4}) = f(0.3_{2,3}, 3.1_{3,4})$
17. $(2.1_{1,4}) = f(0.3_{2,3}, 3.1_{3,4}, 1.1_{-1,3,4})$
18. $(2.1_{1,4}) = f(0.3_{2,3}, 3.1_{3,4}, 1.2_{-1,4})$
19. $(2.1_{1,4}) = f(0.3_{2,3}, 3.1_{3,4}, 1.3_{3,4})$
20. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 0.1_{1,3})$
21. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 0.1_{1,3}, 3.1_{3,4})$
22. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 0.2_{1,2})$
23. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 0.2_{1,2}, 3.1_{3,4})$
24. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 0.3_{2,3})$
25. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 0.3_{2,3}, 3.1_{3,4})$
26. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 3.1_{3,4})$
27. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 3.1_{3,4}, 0.1_{1,3})$
28. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 3.1_{3,4}, 0.2_{1,2})$
29. $(2.1_{1,4}) = f(1.1_{-1,3,4}, 3.1_{3,4}, 0.3_{2,3})$
30. $(2.1_{1,4}) = f(1.2_{-1,4}, 0.2_{1,2})$
31. $(2.1_{1,4}) = f(1.2_{-1,4}, 0.2_{1,2}, 3.1_{3,4})$
32. $(2.1_{1,4}) = f(1.2_{-1,4}, 0.3_{2,3})$
33. $(2.1_{1,4}) = f(1.2_{-1,4}, 0.3_{2,3}, 3.1_{3,4})$
34. $(2.1_{1,4}) = f(1.2_{-1,4}, 1.3_{3,4}, 3.0_{2,3})$
35. $(2.1_{1,4}) = f(1.2_{-1,4}, 1.3_{3,4})$
36. $(2.1_{1,4}) = f(1.2_{-1,4}, 1.3_{3,4}, 2.0_{1,2})$

37. $(2.1_{1,4}) = f(1.2._{1,4}, 2.0_{1,2})$
38. $(2.1_{1,4}) = f(1.2._{1,4}, 2.0_{1,2}, 1.3_{3,4})$
39. $(2.1_{1,4}) = f(1.2._{1,4}, 3.0_{2,3})$
40. $(2.1_{1,4}) = f(1.2._{1,4}, 3.0_{2,3}, 1.3_{3,4})$
41. $(2.1_{1,4}) = f(1.2._{1,4}, 3.1_{3,4})$
42. $(2.1_{1,4}) = f(1.2._{1,4}, 3.1_{3,4}, 0.2_{1,2})$
43. $(2.1_{1,4}) = f(1.2._{1,4}, 3.1_{3,4}, 0.3_{2,3})$
44. $(2.1_{1,4}) = f(1.3_{3,4}, 0.3_{2,3})$
45. $(2.1_{1,4}) = f(1.3_{3,4}, 0.3_{2,3}, 3.1_{3,4})$
46. $(2.1_{1,4}) = f(1.3_{3,4}, 1.2._{1,4})$
47. $(2.1_{1,4}) = f(1.3_{3,4}, 1.2._{1,4}, 2.0_{1,2})$
48. $(2.1_{1,4}) = f(1.3_{3,4}, 1.2._{1,4}, 3.0_{2,3})$
49. $(2.1_{1,4}) = f(1.3_{3,4}, 2.0_{1,2})$
50. $(2.1_{1,4}) = f(1.3_{3,4}, 2.0_{1,2}, 1.2._{1,4})$
51. $(2.1_{1,4}) = f(1.3_{3,4}, 2.0_{1,2}, 2.2_{1,2,4})$
52. $(2.1_{1,4}) = f(1.3_{3,4}, 2.2_{1,2,4})$
53. $(2.1_{1,4}) = f(1.3_{3,4}, 2.2_{1,2,4}, 2.0_{1,2})$
54. $(2.1_{1,4}) = f(1.3_{3,4}, 2.2_{1,2,4}, 3.0_{2,3})$
55. $(2.1_{1,4}) = f(1.3_{3,4}, 3.0_{2,3})$
56. $(2.1_{1,4}) = f(1.3_{3,4}, 3.0_{2,3}, 1.2._{1,4})$
57. $(2.1_{1,4}) = f(1.3_{3,4}, 3.0_{2,3}, 2.2_{1,2,4})$
58. $(2.1_{1,4}) = f(1.3_{3,4}, 3.1_{3,4})$
59. $(2.1_{1,4}) = f(1.3_{3,4}, 3.1_{3,4}, 0.3_{2,3})$
60. $(2.1_{1,4}) = f(2.0_{1,2}, 1.2._{1,4})$
61. $(2.1_{1,4}) = f(2.0_{1,2}, 1.2._{1,4}, 1.3_{3,4})$
62. $(2.1_{1,4}) = f(2.0_{1,2}, 1.3_{3,4})$
63. $(2.1_{1,4}) = f(2.0_{1,2}, 1.3_{3,4}, 1.2._{1,4})$
64. $(2.1_{1,4}) = f(2.0_{1,2}, 1.3_{3,4}, 2.2_{1,2,4})$
65. $(2.1_{1,4}) = f(2.0_{1,2}, 2.2_{1,2,4})$
66. $(2.1_{1,4}) = f(2.0_{1,2}, 2.2_{1,2,4}, 1.3_{3,4})$
67. $(2.1_{1,4}) = f(2.0_{1,2}, 2.2_{1,2,4}, 2.3_{2,4})$
68. $(2.1_{1,4}) = f(2.0_{1,2}, 2.3_{2,4})$
69. $(2.1_{1,4}) = f(2.0_{1,2}, 2.3_{2,4}, 2.2_{1,2,4})$
70. $(2.1_{1,4}) = f(2.2_{1,2,4}, 1.3_{3,4})$
71. $(2.1_{1,4}) = f(2.2_{1,2,4}, 1.3_{3,4}, 2.0_{1,2})$
72. $(2.1_{1,4}) = f(2.2_{1,2,4}, 1.3_{3,4}, 3.0_{2,3})$
73. $(2.1_{1,4}) = f(2.2_{1,2,4}, 2.0_{1,2})$
74. $(2.1_{1,4}) = f(2.2_{1,2,4}, 2.0_{1,2}, 1.3_{3,4})$
75. $(2.1_{1,4}) = f(2.2_{1,2,4}, 2.0_{1,2}, 2.3_{2,4})$
76. $(2.1_{1,4}) = f(2.2_{1,2,4}, 2.3_{2,4})$
77. $(2.1_{1,4}) = f(2.2_{1,2,4}, 2.3_{2,4}, 2.0_{1,2})$

78. $(2.1_{1,4}) = f(2.2_{1,2,4}, 2.3_{2,4}, 3.0_{2,3})$
79. $(2.1_{1,4}) = f(2.2_{1,2,4}, 3.0_{2,3})$
80. $(2.1_{1,4}) = f(2.2_{1,2,4}, 3.0_{2,3}, 1.3_{3,4})$
81. $(2.1_{1,4}) = f(2.2_{1,2,4}, 3.0_{2,3}, 2.3_{2,4})$
82. $(2.1_{1,4}) = f(2.3_{2,4}, 2.0_{1,2})$
83. $(2.1_{1,4}) = f(2.3_{2,4}, 2.0_{1,2}, 2.2_{1,2,4})$
84. $(2.1_{1,4}) = f(2.3_{2,4}, 2.2_{1,2,4})$
85. $(2.1_{1,4}) = f(2.3_{2,4}, 2.2_{1,2,4}, 2.0_{1,2})$
86. $(2.1_{1,4}) = f(2.3_{2,4}, 2.2_{1,2,4}, 3.0_{2,3})$
87. $(2.1_{1,4}) = f(2.3_{2,4}, 3.0_{2,3})$
88. $(2.1_{1,4}) = f(2.3_{2,4}, 3.0_{2,3}, 2.2_{1,2,4})$
89. $(2.1_{1,4}) = f(3.0_{2,3}, 1.2._{1,4})$
90. $(2.1_{1,4}) = f(3.0_{2,3}, 1.2._{1,4}, 1.3_{3,4})$
91. $(2.1_{1,4}) = f(3.0_{2,3}, 1.3_{3,4})$
92. $(2.1_{1,4}) = f(3.0_{2,3}, 1.3_{3,4}, 1.2._{1,4})$
93. $(2.1_{1,4}) = f(3.0_{2,3}, 1.3_{3,4}, 2.2_{1,2,4})$
94. $(2.1_{1,4}) = f(3.0_{2,3}, 2.2_{1,2,4})$
95. $(2.1_{1,4}) = f(3.0_{2,3}, 2.2_{1,2,4}, 1.3_{3,4})$
96. $(2.1_{1,4}) = f(3.0_{2,3}, 2.2_{1,2,4}, 2.3_{2,4})$
97. $(2.1_{1,4}) = f(3.0_{2,3}, 2.3_{2,4})$
98. $(2.1_{1,4}) = f(3.0_{2,3}, 2.3_{2,4}, 2.2_{1,2,4})$
99. $(2.1_{1,4}) = f(3.1_{3,4}, 0.1_{1,3})$
100. $(2.1_{1,4}) = f(3.1_{3,4}, 0.1_{1,3}, 1.1._{1,3,4})$
101. $(2.1_{1,4}) = f(3.1_{3,4}, 0.2_{1,2})$
102. $(2.1_{1,4}) = f(3.1_{3,4}, 0.2_{1,2}, 1.1._{1,3,4})$
103. $(2.1_{1,4}) = f(3.1_{3,4}, 0.2_{1,2}, 1.2._{1,4})$
104. $(2.1_{1,4}) = f(3.1_{3,4}, 0.3_{2,3})$
105. $(2.1_{1,4}) = f(3.1_{3,4}, 0.3_{2,3}, 1.1._{1,3,4})$
106. $(2.1_{1,4}) = f(3.1_{3,4}, 0.3_{2,3}, 1.2._{1,4})$
107. $(2.1_{1,4}) = f(3.1_{3,4}, 0.3_{2,3}, 1.3_{3,4})$
108. $(2.1_{1,4}) = f(3.1_{3,4}, 1.1._{1,3,4})$
109. $(2.1_{1,4}) = f(3.1_{3,4}, 1.1._{1,3,4}, 0.1_{1,3})$
110. $(2.1_{1,4}) = f(3.1_{3,4}, 1.1._{1,3,4}, 0.2_{1,2})$
111. $(2.1_{1,4}) = f(3.1_{3,4}, 1.1._{1,3,4}, 0.3_{2,3})$
112. $(2.1_{1,4}) = f(3.1_{3,4}, 1.2._{1,4})$
113. $(2.1_{1,4}) = f(3.1_{3,4}, 1.2._{1,4}, 0.2_{1,2})$
114. $(2.1_{1,4}) = f(3.1_{3,4}, 1.2._{1,4}, 0.3_{2,3})$
115. $(2.1_{1,4}) = f(3.1_{3,4}, 1.3_{3,4})$
116. $(2.1_{1,4}) = f(3.1_{3,4}, 1.3_{3,4}, 0.3_{2,3})$

2.10. Functions with $w = (2.2_{1,2,4})$

1. $(2.2_{1,2,4}) = f(0.2_{1,2}, 1.2._{1,4})$
2. $(2.2_{1,2,4}) = f(0.2_{1,2}, 1.2._{1,4}, 3.1_{3,4})$
3. $(2.2_{1,2,4}) = f(0.2_{1,2}, 1.2._{1,4}, 3.2_{2,4})$
4. $(2.2_{1,2,4}) = f(0.2_{1,2}, 3.1_{3,4})$
5. $(2.2_{1,2,4}) = f(0.2_{1,2}, 3.1_{3,4}, 1.2._{1,4})$
6. $(2.2_{1,2,4}) = f(0.2_{1,2}, 3.2_{2,4})$
7. $(2.2_{1,2,4}) = f(0.2_{1,2}, 3.2_{2,4}, 1.2._{1,4})$
8. $(2.2_{1,2,4}) = f(0.3_{2,3}, 1.2._{1,4})$
9. $(2.2_{1,2,4}) = f(0.3_{2,3}, 1.2._{1,4}, 3.1_{3,4})$
10. $(2.2_{1,2,4}) = f(0.3_{2,3}, 1.2._{1,4}, 3.2_{2,4})$
11. $(2.2_{1,2,4}) = f(0.3_{2,3}, 1.3_{3,4})$
12. $(2.2_{1,2,4}) = f(0.3_{2,3}, 1.3_{3,4}, 3.1_{3,4})$
13. $(2.2_{1,2,4}) = f(0.3_{2,3}, 1.3_{3,4}, 3.2_{2,4})$
14. $(2.2_{1,2,4}) = f(0.3_{2,3}, 3.1_{3,4})$
15. $(2.2_{1,2,4}) = f(0.3_{2,3}, 3.1_{3,4}, 1.2._{1,4})$
16. $(2.2_{1,2,4}) = f(0.3_{2,3}, 3.1_{3,4}, 1.3_{3,4})$
17. $(2.2_{1,2,4}) = f(0.3_{2,3}, 3.2_{2,4})$
18. $(2.2_{1,2,4}) = f(0.3_{2,3}, 3.2_{2,4}, 1.2._{1,4})$
19. $(2.2_{1,2,4}) = f(0.3_{2,3}, 3.2_{2,4}, 1.3_{3,4})$
20. $(2.2_{1,2,4}) = f(1.2._{1,4}, 0.2_{1,2})$
21. $(2.2_{1,2,4}) = f(1.2._{1,4}, 0.2_{1,2}, 3.1_{3,4})$
22. $(2.2_{1,2,4}) = f(1.2._{1,4}, 0.2_{1,2}, 3.2_{2,4})$
23. $(2.2_{1,2,4}) = f(1.2._{1,4}, 0.3_{2,3})$
24. $(2.2_{1,2,4}) = f(1.2._{1,4}, 0.3_{2,3}, 3.1_{3,4})$
25. $(2.2_{1,2,4}) = f(1.2._{1,4}, 0.3_{2,3}, 3.2_{2,4})$
26. $(2.2_{1,2,4}) = f(1.2._{1,4}, 3.1_{3,4})$
27. $(2.2_{1,2,4}) = f(1.2._{1,4}, 3.1_{3,4}, 0.2_{1,2})$
28. $(2.2_{1,2,4}) = f(1.2._{1,4}, 3.1_{3,4}, 0.3_{2,3})$
29. $(2.2_{1,2,4}) = f(1.2._{1,4}, 3.2_{2,4})$
30. $(2.2_{1,2,4}) = f(1.2._{1,4}, 3.2_{2,4}, 0.2_{1,2})$
31. $(2.2_{1,2,4}) = f(1.2._{1,4}, 3.2_{2,4}, 0.3_{2,3})$
32. $(2.2_{1,2,4}) = f(1.3_{3,4}, 0.3_{2,3})$
33. $(2.2_{1,2,4}) = f(1.3_{3,4}, 0.3_{2,3}, 3.1_{3,4})$
34. $(2.2_{1,2,4}) = f(1.3_{3,4}, 0.3_{2,3}, 3.2_{2,4})$
35. $(2.2_{1,2,4}) = f(1.3_{3,4}, 2.0_{1,2})$
36. $(2.2_{1,2,4}) = f(1.3_{3,4}, 2.0_{1,2}, 2.1_{1,4})$
37. $(2.2_{1,2,4}) = f(1.3_{3,4}, 2.1_{1,4})$
38. $(2.2_{1,2,4}) = f(1.3_{3,4}, 2.1_{1,4}, 2.0_{1,2})$
39. $(2.2_{1,2,4}) = f(1.3_{3,4}, 2.1_{1,4}, 3.0_{2,3})$

40. $(2.2_{1,2,4}) = f(1.3_{3,4}, 3.0_{2,3})$

41. $(2.2_{1,2,4}) = f(1.3_{3,4}, 3.0_{2,3}, 2.1_{1,4})$

42. $(2.2_{1,2,4}) = f(1.3_{3,4}, 3.0_{2,3}, 3.1_{3,4})$

43. $(2.2_{1,2,4}) = f(1.3_{3,4}, 3.1_{3,4})$

44. $(2.2_{1,2,4}) = f(1.3_{3,4}, 3.1_{3,4}, 0.3_{2,3})$

45. $(2.2_{1,2,4}) = f(1.3_{3,4}, 3.1_{3,4}, 3.0_{2,3})$

46. $(2.2_{1,2,4}) = f(1.3_{3,4}, 3.2_{2,4})$

47. $(2.2_{1,2,4}) = f(1.3_{3,4}, 3.2_{2,4}, 0.3_{2,3})$

48. $(2.2_{1,2,4}) = f(2.0_{1,2}, 1.3_{3,4})$

49. $(2.2_{1,2,4}) = f(2.0_{1,2}, 1.3_{3,4}, 2.1_{1,4})$

50. $(2.2_{1,2,4}) = f(2.0_{1,2}, 2.1_{1,4})$

51. $(2.2_{1,2,4}) = f(2.0_{1,2}, 2.1_{1,4}, 1.3_{3,4})$

52. $(2.2_{1,2,4}) = f(2.0_{1,2}, 2.1_{1,4}, 2.3_{2,4})$

53. $(2.2_{1,2,4}) = f(2.0_{1,2}, 2.3_{2,4})$

54. $(2.2_{1,2,4}) = f(2.0_{1,2}, 2.3_{2,4}, 2.1_{1,4})$

55. $(2.2_{1,2,4}) = f(2.1_{1,4}, 1.3_{3,4})$

56. $(2.2_{1,2,4}) = f(2.1_{1,4}, 1.3_{3,4}, 2.0_{1,2})$

57. $(2.2_{1,2,4}) = f(2.1_{1,4}, 1.3_{3,4}, 3.0_{2,3})$

58. $(2.2_{1,2,4}) = f(2.1_{1,4}, 2.0_{1,2})$

59. $(2.2_{1,2,4}) = f(2.1_{1,4}, 2.0_{1,2}, 1.3_{3,4})$

60. $(2.2_{1,2,4}) = f(2.1_{1,4}, 2.0_{1,2}, 2.3_{2,4})$

61. $(2.2_{1,2,4}) = f(2.1_{1,4}, 2.3_{2,4})$

62. $(2.2_{1,2,4}) = f(2.1_{1,4}, 2.3_{2,4}, 2.0_{1,2})$

63. $(2.2_{1,2,4}) = f(2.1_{1,4}, 2.3_{2,4}, 3.0_{2,3})$

64. $(2.2_{1,2,4}) = f(2.1_{1,4}, 3.0_{2,3})$

65. $(2.2_{1,2,4}) = f(2.1_{1,4}, 3.0_{2,3}, 1.3_{3,4})$

66. $(2.2_{1,2,4}) = f(2.1_{1,4}, 3.0_{2,3}, 2.3_{2,4})$

67. $(2.2_{1,2,4}) = f(2.3_{2,4}, 2.0_{1,2})$

68. $(2.2_{1,2,4}) = f(2.3_{2,4}, 2.0_{1,2}, 2.1_{1,4})$

69. $(2.2_{1,2,4}) = f(2.3_{2,4}, 2.1_{1,4})$

70. $(2.2_{1,2,4}) = f(2.3_{2,4}, 2.1_{1,4}, 2.0_{1,2})$

71. $(2.2_{1,2,4}) = f(2.3_{2,4}, 2.1_{1,4}, 3.0_{2,3})$

72. $(2.2_{1,2,4}) = f(2.3_{2,4}, 3.0_{2,3})$

73. $(2.2_{1,2,4}) = f(2.3_{2,4}, 3.0_{2,3}, 2.1_{1,4})$

74. $(2.2_{1,2,4}) = f(2.3_{2,4}, 3.0_{2,3}, 3.1_{3,4})$

75. $(2.2_{1,2,4}) = f(2.3_{2,4}, 3.1_{3,4})$

76. $(2.2_{1,2,4}) = f(2.3_{2,4}, 3.1_{3,4}, 3.0_{2,3})$

77. $(2.2_{1,2,4}) = f(3.0_{2,3}, 1.3_{3,4})$

78. $(2.2_{1,2,4}) = f(3.0_{2,3}, 1.3_{3,4}, 2.1_{1,4})$

79. $(2.2_{1,2,4}) = f(3.0_{2,3}, 1.3_{3,4}, 3.1_{3,4})$

80. $(2.2_{1,2,4}) = f(3.0_{2,3}, 2.1_{1,4})$

81. $(2.2_{1,2,4}) = f(3.0_{2,3}, 2.1_{1,4}, 1.3_{3,4})$
82. $(2.2_{1,2,4}) = f(3.0_{2,3}, 2.1_{1,4}, 2.3_{2,4})$
83. $(2.2_{1,2,4}) = f(3.0_{2,3}, 2.3_{2,4})$
84. $(2.2_{1,2,4}) = f(3.0_{2,3}, 2.3_{2,4}, 2.1_{1,4})$
85. $(2.2_{1,2,4}) = f(3.0_{2,3}, 2.3_{2,4}, 3.1_{3,4})$
86. $(2.2_{1,2,4}) = f(3.0_{2,3}, 3.1_{3,4})$
87. $(2.2_{1,2,4}) = f(3.0_{2,3}, 3.1_{3,4}, 1.3_{3,4})$
88. $(2.2_{1,2,4}) = f(3.0_{2,3}, 3.1_{3,4}, 2.3_{2,4})$
89. $(2.2_{1,2,4}) = f(3.1_{3,4}, 0.2_{1,2})$
90. $(2.2_{1,2,4}) = f(3.1_{3,4}, 0.2_{1,2}, 1.2._{1,4})$
91. $(2.2_{1,2,4}) = f(3.1_{3,4}, 0.3_{2,3})$
92. $(2.2_{1,2,4}) = f(3.1_{3,4}, 0.3_{2,3}, 1.2._{1,4})$
93. $(2.2_{1,2,4}) = f(3.1_{3,4}, 0.3_{2,3}, 1.3_{3,4})$
94. $(2.2_{1,2,4}) = f(3.1_{3,4}, 1.2._{1,4})$
95. $(2.2_{1,2,4}) = f(3.1_{3,4}, 1.2._{1,4}, 0.2_{1,2})$
96. $(2.2_{1,2,4}) = f(3.1_{3,4}, 1.2._{1,4}, 0.3_{2,3})$
97. $(2.2_{1,2,4}) = f(3.1_{3,4}, 1.3_{3,4})$
98. $(2.2_{1,2,4}) = f(3.1_{3,4}, 1.3_{3,4}, 0.3_{2,3})$
99. $(2.2_{1,2,4}) = f(3.1_{3,4}, 1.3_{3,4}, 3.0_{2,3})$
100. $(2.2_{1,2,4}) = f(3.1_{3,4}, 2.3_{2,4})$
101. $(2.2_{1,2,4}) = f(3.1_{3,4}, 2.3_{2,4}, 3.0_{2,3})$
102. $(2.2_{1,2,4}) = f(3.1_{3,4}, 3.0_{2,3})$
103. $(2.2_{1,2,4}) = f(3.1_{3,4}, 3.0_{2,3}, 1.3_{3,4})$
104. $(2.2_{1,2,4}) = f(3.1_{3,4}, 3.0_{2,3}, 2.3_{2,4})$
105. $(2.2_{1,2,4}) = f(3.2_{2,4}, 0.2_{1,2})$
106. $(2.2_{1,2,4}) = f(3.2_{2,4}, 0.2_{1,2}, 1.2._{1,4})$
107. $(2.2_{1,2,4}) = f(3.2_{2,4}, 0.3_{2,3})$
108. $(2.2_{1,2,4}) = f(3.2_{2,4}, 0.3_{2,3}, 1.2._{1,4})$
109. $(2.2_{1,2,4}) = f(3.2_{2,4}, 0.3_{2,3}, 1.3_{3,4})$
110. $(2.2_{1,2,4}) = f(3.2_{2,4}, 1.2._{1,4})$
111. $(2.2_{1,2,4}) = f(3.2_{2,4}, 1.2._{1,4}, 0.2_{1,2})$
112. $(2.2_{1,2,4}) = f(3.2_{2,4}, 1.2._{1,4}, 0.3_{2,3})$
113. $(2.2_{1,2,4}) = f(3.2_{2,4}, 1.3_{3,4})$
114. $(2.2_{1,2,4}) = f(3.2_{2,4}, 1.3_{3,4}, 0.3_{2,3})$

2.11. Functions with w = $(2.3_{2,4})$

1. $(2.3_{2,4}) = f(0.3_{2,3}, 1.3_{3,4})$
2. $(2.3_{2,4}) = f(0.3_{2,3}, 1.3_{3,4}, 3.1_{3,4})$
3. $(2.3_{2,4}) = f(0.3_{2,3}, 1.3_{3,4}, 3.2_{2,4})$
4. $(2.3_{2,4}) = f(0.3_{2,3}, 1.3_{3,4}, 3.3_{2,3,4})$

5. $(2.3_{2,4}) = f(0.3_{2,3}, 3.1_{3,4})$
6. $(2.3_{2,4}) = f(0.3_{2,3}, 3.1_{3,4}, 1.3_{3,4})$
7. $(2.3_{2,4}) = f(0.3_{2,3}, 3.2_{2,4})$
8. $(2.3_{2,4}) = f(0.3_{2,3}, 3.2_{2,4}, 1.3_{3,4})$
9. $(2.3_{2,4}) = f(0.3_{2,3}, 3.3_{2,3,4})$
10. $(2.3_{2,4}) = f(0.3_{2,3}, 3.3_{2,3,4}, 1.3_{3,4})$
11. $(2.3_{2,4}) = f(1.3_{3,4}, 0.3_{2,3})$
12. $(2.3_{2,4}) = f(1.3_{3,4}, 0.3_{2,3}, 3.1_{3,4})$
13. $(2.3_{2,4}) = f(1.3_{3,4}, 0.3_{2,3}, 3.2_{2,4})$
14. $(2.3_{2,4}) = f(1.3_{3,4}, 0.3_{2,3}, 3.3_{2,3,4})$
15. $(2.3_{2,4}) = f(1.3_{3,4}, 3.1_{3,4})$
16. $(2.3_{2,4}) = f(1.3_{3,4}, 3.1_{3,4}, 0.3_{2,3})$
17. $(2.3_{2,4}) = f(1.3_{3,4}, 3.2_{2,4})$
18. $(2.3_{2,4}) = f(1.3_{3,4}, 3.2_{2,4}, 0.3_{2,3})$
19. $(2.3_{2,4}) = f(1.3_{3,4}, 3.3_{2,3,4})$
20. $(2.3_{2,4}) = f(1.3_{3,4}, 3.3_{2,3,4}, 0.3_{2,3})$
21. $(2.3_{2,4}) = f(2.0_{1,2}, 2.1_{1,4})$
22. $(2.3_{2,4}) = f(2.0_{1,2}, 2.1_{1,4}, 2.2_{1,2,4})$
23. $(2.3_{2,4}) = f(2.0_{1,2}, 2.2_{1,2,4})$
24. $(2.3_{2,4}) = f(2.0_{1,2}, 2.2_{1,2,4}, 2.1_{1,4})$
25. $(2.3_{2,4}) = f(2.1_{1,4}, 2.0_{1,2})$
26. $(2.3_{2,4}) = f(2.1_{1,4}, 2.0_{1,2}, 2.2_{1,2,4})$
27. $(2.3_{2,4}) = f(2.1_{1,4}, 2.2_{1,2,4})$
28. $(2.3_{2,4}) = f(2.1_{1,4}, 2.2_{1,2,4}, 2.0_{1,2})$
29. $(2.3_{2,4}) = f(2.1_{1,4}, 2.2_{1,2,4}, 3.0_{2,3})$
30. $(2.3_{2,4}) = f(2.1_{1,4}, 3.0_{2,3})$
31. $(2.3_{2,4}) = f(2.1_{1,4}, 3.0_{2,3}, 2.2_{1,2,4})$
32. $(2.3_{2,4}) = f(2.2_{1,2,4}, 2.0_{1,2})$
33. $(2.3_{2,4}) = f(2.2_{1,2,4}, 2.0_{1,2}, 2.1_{1,4})$
34. $(2.3_{2,4}) = f(2.2_{1,2,4}, 2.1_{1,4})$
35. $(2.3_{2,4}) = f(2.2_{1,2,4}, 2.1_{1,4}, 2.0_{1,2})$
36. $(2.3_{2,4}) = f(2.2_{1,2,4}, 2.1_{1,4}, 3.0_{2,3})$
37. $(2.3_{2,4}) = f(2.2_{1,2,4}, 3.0_{2,3})$
38. $(2.3_{2,4}) = f(2.2_{1,2,4}, 3.0_{2,3}, 2.1_{1,4})$
39. $(2.3_{2,4}) = f(2.2_{1,2,4}, 3.0_{2,3}, 3.1_{3,4})$
40. $(2.3_{2,4}) = f(2.2_{1,2,4}, 3.1_{3,4})$
41. $(2.3_{2,4}) = f(2.2_{1,2,4}, 3.1_{3,4}, 3.0_{2,3})$
42. $(2.3_{2,4}) = f(3.0_{2,3}, 2.1_{1,4})$
43. $(2.3_{2,4}) = f(3.0_{2,3}, 2.1_{1,4}, 2.2_{1,2,4})$
44. $(2.3_{2,4}) = f(3.0_{2,3}, 2.2_{1,2,4})$
45. $(2.3_{2,4}) = f(3.0_{2,3}, 2.2_{1,2,4}, 2.1_{1,4})$

46. $(2.3_{2,4}) = f(3.0_{2,3}, 2.2_{1,2,4}, 3.1_{3,4})$
47. $(2.3_{2,4}) = f(3.0_{2,3}, 3.1_{3,4})$
48. $(2.3_{2,4}) = f(3.0_{2,3}, 3.1_{3,4}, 2.2_{1,2,4})$
49. $(2.3_{2,4}) = f(3.0_{2,3}, 3.1_{3,4}, 3.2_{2,4})$
50. $(2.3_{2,4}) = f(3.0_{2,3}, 3.2_{2,4})$
51. $(2.3_{2,4}) = f(3.0_{2,3}, 3.2_{2,4}, 3.1_{3,4})$
52. $(2.3_{2,4}) = f(3.1_{3,4}, 0.3_{2,3})$
53. $(2.3_{2,4}) = f(3.1_{3,4}, 0.3_{2,3}, 1.3_{3,4})$
54. $(2.3_{2,4}) = f(3.1_{3,4}, 1.3_{3,4})$
55. $(2.3_{2,4}) = f(3.1_{3,4}, 1.3_{3,4}, 0.3_{2,3})$
56. $(2.3_{2,4}) = f(3.1_{3,4}, 2.2_{1,2,4})$
57. $(2.3_{2,4}) = f(3.1_{3,4}, 2.2_{1,2,4}, 3.0_{2,3})$
58. $(2.3_{2,4}) = f(3.1_{3,4}, 3.0_{2,3})$
59. $(2.3_{2,4}) = f(3.1_{3,4}, 3.0_{2,3}, 2.2_{1,2,4})$
60. $(2.3_{2,4}) = f(3.1_{3,4}, 3.0_{2,3}, 3.2_{2,4})$
61. $(2.3_{2,4}) = f(3.1_{3,4}, 3.2_{2,4})$
62. $(2.3_{2,4}) = f(3.1_{3,4}, 3.2_{2,4}, 3.0_{2,3})$
63. $(2.3_{2,4}) = f(3.2_{2,4}, 0.3_{2,3})$
64. $(2.3_{2,4}) = f(3.2_{2,4}, 0.3_{2,3}, 1.3_{3,4})$
65. $(2.3_{2,4}) = f(3.2_{2,4}, 1.3_{3,4})$
66. $(2.3_{2,4}) = f(3.2_{2,4}, 1.3_{3,4}, 0.3_{2,3})$
67. $(2.3_{2,4}) = f(3.2_{2,4}, 3.0_{2,3})$
68. $(2.3_{2,4}) = f(3.2_{2,4}, 3.0_{2,3}, 3.1_{3,4})$
69. $(2.3_{2,4}) = f(3.2_{2,4}, 3.1_{3,4})$
70. $(2.3_{2,4}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
71. $(2.3_{2,4}) = f(3.3_{2,3,4}, 0.3_{2,3})$
72. $(2.3_{2,4}) = f(3.3_{2,3,4}, 0.3_{2,3}, 1.3_{3,4})$
73. $(2.3_{2,4}) = f(3.3_{2,3,4}, 1.3_{3,4})$
74. $(2.3_{2,4}) = f(3.3_{2,3,4}, 1.3_{3,4}, 0.3_{2,3})$

2.12. Functions with w = $(3.0_{2,3})$

1. $(3.0_{2,3}) = f(1.1_{\cdot1,3,4}, 1.2_{\cdot1,4})$
2. $(3.0_{2,3}) = f(1.1_{\cdot1,3,4}, 1.2_{\cdot1,4}, 1.3_{3,4})$
3. $(3.0_{2,3}) = f(1.1_{\cdot1,3,4}, 1.3_{3,4})$
4. $(3.0_{2,3}) = f(1.1_{\cdot1,3,4}, 1.3_{3,4}, 1.2_{\cdot1,4})$
5. $(3.0_{2,3}) = f(1.2_{\cdot1,4}, 1.1_{\cdot1,3,4})$
6. $(3.0_{2,3}) = f(1.2_{\cdot1,4}, 1.1_{\cdot1,3,4}, 1.3_{3,4})$
7. $(3.0_{2,3}) = f(1.2_{\cdot1,4}, 1.3_{3,4})$
8. $(3.0_{2,3}) = f(1.2_{\cdot1,4}, 1.3_{3,4}, 1.1_{\cdot1,3,4})$
9. $(3.0_{2,3}) = f(1.2_{\cdot1,4}, 1.3_{3,4}, 2.1_{1,4})$

10. $(3.0_{2,3}) = f(1.2._{1,4}, 1.3_{3,4}, 3.1_{3,4})$
11. $(3.0_{2,3}) = f(1.2._{1,4}, 2.1_{1,4})$
12. $(3.0_{2,3}) = f(1.2._{1,4}, 2.1_{1,4}, 1.3_{3,4})$
13. $(3.0_{2,3}) = f(1.2._{1,4}, 3.1_{3,4})$
14. $(3.0_{2,3}) = f(1.2._{1,4}, 3.1_{3,4}, 1.3_{3,4})$
15. $(3.0_{2,3}) = f(1.3_{3,4}, 1.1._{1,3,4})$
16. $(3.0_{2,3}) = f(1.3_{3,4}, 1.1._{1,3,4}, 1.2._{1,4})$
17. $(3.0_{2,3}) = f(1.3_{3,4}, 1.2._{1,4})$
18. $(3.0_{2,3}) = f(1.3_{3,4}, 1.2._{1,4}, 1.1._{1,3,4})$
19. $(3.0_{2,3}) = f(1.3_{3,4}, 1.2._{1,4}, 2.1_{1,4})$
20. $(3.0_{2,3}) = f(1.3_{3,4}, 1.2._{1,4}, 3.1_{3,4})$
21. $(3.0_{2,3}) = f(1.3_{3,4}, 2.1_{1,4})$
22. $(3.0_{2,3}) = f(1.3_{3,4}, 2.1_{1,4}, 1.2._{1,4})$
23. $(3.0_{2,3}) = f(1.3_{3,4}, 2.1_{1,4}, 2.2_{1,2,4})$
24. $(3.0_{2,3}) = f(1.3_{3,4}, 2.2_{1,2,4})$
25. $(3.0_{2,3}) = f(1.3_{3,4}, 2.2_{1,2,4}, 2.1_{1,4})$
26. $(3.0_{2,3}) = f(1.3_{3,4}, 2.2_{1,2,4}, 3.1_{3,4})$
27. $(3.0_{2,3}) = f(1.3_{3,4}, 3.1_{3,4})$
28. $(3.0_{2,3}) = f(1.3_{3,4}, 3.1_{3,4}, 1.2._{1,4})$
29. $(3.0_{2,3}) = f(1.3_{3,4}, 3.1_{3,4}, 2.2_{1,2,4})$
30. $(3.0_{2,3}) = f(1.3_{3,4}, 3.1_{3,4}, 3.2_{2,4})$
31. $(3.0_{2,3}) = f(1.3_{3,4}, 3.2_{2,4})$
32. $(3.0_{2,3}) = f(1.3_{3,4}, 3.2_{2,4}, 3.1_{3,4})$
33. $(3.0_{2,3}) = f(2.1_{1,4}, 1.2._{1,4})$
34. $(3.0_{2,3}) = f(2.1_{1,4}, 1.2._{1,4}, 1.3_{3,4})$
35. $(3.0_{2,3}) = f(2.1_{1,4}, 1.3_{3,4})$
36. $(3.0_{2,3}) = f(2.1_{1,4}, 1.3_{3,4}, 1.2._{1,4})$
37. $(3.0_{2,3}) = f(2.1_{1,4}, 1.3_{3,4}, 2.2_{1,2,4})$
38. $(3.0_{2,3}) = f(2.1_{1,4}, 2.2_{1,2,4})$
39. $(3.0_{2,3}) = f(2.1_{1,4}, 2.2_{1,2,4}, 1.3_{3,4})$
40. $(3.0_{2,3}) = f(2.1_{1,4}, 2.2_{1,2,4}, 2.3_{2,4})$
41. $(3.0_{2,3}) = f(2.1_{1,4}, 2.3_{2,4})$
42. $(3.0_{2,3}) = f(2.1_{1,4}, 2.3_{2,4}, 2.2_{1,2,4})$
43. $(3.0_{2,3}) = f(2.2_{1,2,4}, 1.3_{3,4})$
44. $(3.0_{2,3}) = f(2.2_{1,2,4}, 1.3_{3,4}, 2.1_{1,4})$
45. $(3.0_{2,3}) = f(2.2_{1,2,4}, 1.3_{3,4}, 3.1_{3,4})$
46. $(3.0_{2,3}) = f(2.2_{1,2,4}, 2.1_{1,4})$
47. $(3.0_{2,3}) = f(2.2_{1,2,4}, 2.1_{1,4}, 1.3_{3,4})$
48. $(3.0_{2,3}) = f(2.2_{1,2,4}, 2.1_{1,4}, 2.3_{2,4})$
49. $(3.0_{2,3}) = f(2.2_{1,2,4}, 2.3_{2,4})$
50. $(3.0_{2,3}) = f(2.2_{1,2,4}, 2.3_{2,4}, 2.1_{1,4})$

51. $(3.0_{2,3}) = f(2.2_{1,2,4}, 2.3_{2,4}, 3.1_{3,4})$
52. $(3.0_{2,3}) = f(2.2_{1,2,4}, 3.1_{3,4})$
53. $(3.0_{2,3}) = f(2.2_{1,2,4}, 3.1_{3,4}, 1.3_{3,4})$
54. $(3.0_{2,3}) = f(2.2_{1,2,4}, 3.1_{3,4}, 2.3_{2,4})$
55. $(3.0_{2,3}) = f(2.3_{2,4}, 2.1_{1,4})$
56. $(3.0_{2,3}) = f(2.3_{2,4}, 2.1_{1,4}, 2.2_{1,2,4})$
57. $(3.0_{2,3}) = f(2.3_{2,4}, 2.2_{1,2,4})$
58. $(3.0_{2,3}) = f(2.3_{2,4}, 2.2_{1,2,4}, 2.1_{1,4})$
59. $(3.0_{2,3}) = f(2.3_{2,4}, 2.2_{1,2,4}, 3.1_{3,4})$
60. $(3.0_{2,3}) = f(2.3_{2,4}, 3.1_{3,4})$
61. $(3.0_{2,3}) = f(2.3_{2,4}, 3.1_{3,4}, 2.2_{1,2,4})$
62. $(3.0_{2,3}) = f(2.3_{2,4}, 3.1_{3,4}, 3.2_{2,4})$
63. $(3.0_{2,3}) = f(2.3_{2,4}, 3.2_{2,4})$
64. $(3.0_{2,3}) = f(2.3_{2,4}, 3.2_{2,4}, 3.1_{3,4})$
65. $(3.0_{2,3}) = f(3.1_{3,4}, 1.2._{1,4})$
66. $(3.0_{2,3}) = f(3.1_{3,4}, 1.2._{1,4}, 1.3_{3,4})$
67. $(3.0_{2,3}) = f(3.1_{3,4}, 1.3_{3,4})$
68. $(3.0_{2,3}) = f(3.1_{3,4}, 1.3_{3,4}, 1.2._{1,4})$
69. $(3.0_{2,3}) = f(3.1_{3,4}, 1.3_{3,4}, 2.2_{1,2,4})$
70. $(3.0_{2,3}) = f(3.1_{3,4}, 1.3_{3,4}, 3.2_{2,4})$
71. $(3.0_{2,3}) = f(3.1_{3,4}, 2.2_{1,2,4})$
72. $(3.0_{2,3}) = f(3.1_{3,4}, 2.2_{1,2,4}, 1.3_{3,4})$
73. $(3.0_{2,3}) = f(3.1_{3,4}, 2.2_{1,2,4}, 2.3_{2,4})$
74. $(3.0_{2,3}) = f(3.1_{3,4}, 2.3_{2,4})$
75. $(3.0_{2,3}) = f(3.1_{3,4}, 2.3_{2,4}, 2.2_{1,2,4})$
76. $(3.0_{2,3}) = f(3.1_{3,4}, 2.3_{2,4}, 3.2_{2,4})$
77. $(3.0_{2,3}) = f(3.1_{3,4}, 3.2_{2,4})$
78. $(3.0_{2,3}) = f(3.1_{3,4}, 3.2_{2,4}, 1.3_{3,4})$
79. $(3.0_{2,3}) = f(3.1_{3,4}, 3.2_{2,4}, 2.3_{2,4})$
80. $(3.0_{2,3}) = f(3.1_{3,4}, 3.2_{2,4}, 3.3_{2,3,4})$
81. $(3.0_{2,3}) = f(3.2_{2,4}, 1.3_{3,4})$
82. $(3.0_{2,3}) = f(3.2_{2,4}, 1.3_{3,4}, 3.1_{3,4})$
83. $(3.0_{2,3}) = f(3.2_{2,4}, 2.3_{2,4})$
84. $(3.0_{2,3}) = f(3.2_{2,4}, 2.3_{2,4}, 3.1_{3,4})$
85. $(3.0_{2,3}) = f(3.2_{2,4}, 3.1_{3,4}, 1.3_{3,4})$
86. $(3.0_{2,3}) = f(3.2_{2,4}, 3.1_{3,4})$
87. $(3.0_{2,3}) = f(3.2_{2,4}, 3.1_{3,4}, 2.3_{2,4})$
88. $(3.0_{2,3}) = f(3.2_{2,4}, 3.1_{3,4}, 3.3_{2,3,4})$
89. $(3.0_{2,3}) = f(3.2_{2,4}, 3.3_{2,3,4}, 3.1_{3,4})$
90. $(3.0_{2,3}) = f(3.3_{2,3,4}, 3.1_{3,4})$
91. $(3.0_{2,3}) = f(3.3_{2,3,4}, 3.1_{3,4}, 3.2_{2,4})$

92. $(3.0_{2,3}) = f(3.3_{2,3,4}, 3.2_{2,4}, 3.1_{3,4})$

2.13. Functions with w = $(3.1_{3,4})$

1. $(3.1_{3,4}) = f(0.1_{1,3}, 1.1._{1,3,4})$
2. $(3.1_{3,4}) = f(0.1_{1,3}, 1.1._{1,3,4}, 2.1_{1,4})$
3. $(3.1_{3,4}) = f(0.1_{1,3}, 2.1_{1,4})$
4. $(3.1_{3,4}) = f(0.1_{1,3}, 2.1_{1,4}, 1.1._{1,3,4})$
5. $(3.1_{3,4}) = f(0.2_{1,2}, 1.1._{1,3,4})$
6. $(3.1_{3,4}) = f(0.2_{1,2}, 1.1._{1,3,4}, 2.1_{1,4})$
7. $(3.1_{3,4}) = f(0.2_{1,2}, 1.2._{1,4})$
8. $(3.1_{3,4}) = f(0.2_{1,2}, 1.2._{1,4}, 2.1_{1,4})$
9. $(3.1_{3,4}) = f(0.2_{1,2}, 1.2._{1,4}, 2.2_{1,2,4})$
10. $(3.1_{3,4}) = f(0.2_{1,2}, 2.1_{1,4})$
11. $(3.1_{3,4}) = f(0.2_{1,2}, 2.1_{1,4}, 1.1._{1,3,4})$
12. $(3.1_{3,4}) = f(0.2_{1,2}, 2.1_{1,4}, 1.2._{1,4})$
13. $(3.1_{3,4}) = f(0.2_{1,2}, 2.2_{1,2,4})$
14. $(3.1_{3,4}) = f(0.2_{1,2}, 2.2_{1,2,4}, 1.2._{1,4})$
15. $(3.1_{3,4}) = f(0.3_{2,3}, 1.1._{1,3,4})$
16. $(3.1_{3,4}) = f(0.3_{2,3}, 1.1._{1,3,4}, 2.1_{1,4})$
17. $(3.1_{3,4}) = f(0.3_{2,3}, 1.2._{1,4})$
18. $(3.1_{3,4}) = f(0.3_{2,3}, 1.2._{1,4}, 2.1_{1,4})$
19. $(3.1_{3,4}) = f(0.3_{2,3}, 1.2._{1,4}, 2.2_{1,2,4})$
20. $(3.1_{3,4}) = f(0.3_{2,3}, 1.3_{3,4})$
21. $(3.1_{3,4}) = f(0.3_{2,3}, 1.3_{3,4}, 2.1_{1,4})$
22. $(3.1_{3,4}) = f(0.3_{2,3}, 1.3_{3,4}, 2.2_{1,2,4})$
23. $(3.1_{3,4}) = f(0.3_{2,3}, 1.3_{3,4}, 2.3_{2,4})$
24. $(3.1_{3,4}) = f(0.3_{2,3}, 2.1_{1,4})$
25. $(3.1_{3,4}) = f(0.3_{2,3}, 2.1_{1,4}, 1.1._{1,3,4})$
26. $(3.1_{3,4}) = f(0.3_{2,3}, 2.1_{1,4}, 1.2._{1,4})$
27. $(3.1_{3,4}) = f(0.3_{2,3}, 2.1_{1,4}, 1.3_{3,4})$
28. $(3.1_{3,4}) = f(0.3_{2,3}, 2.2_{1,2,4})$
29. $(3.1_{3,4}) = f(0.3_{2,3}, 2.2_{1,2,4}, 1.2._{1,4})$
30. $(3.1_{3,4}) = f(0.3_{2,3}, 2.2_{1,2,4}, 1.3_{3,4})$
31. $(3.1_{3,4}) = f(0.3_{2,3}, 2.3_{2,4})$
32. $(3.1_{3,4}) = f(0.3_{2,3}, 2.3_{2,4}, 1.3_{3,4})$
33. $(3.1_{3,4}) = f(1.1._{1,3,4}, 0.1_{1,3})$
34. $(3.1_{3,4}) = f(1.1._{1,3,4}, 0.1_{1,3}, 2.1_{1,4})$
35. $(3.1_{3,4}) = f(1.1._{1,3,4}, 0.2_{1,2})$
36. $(3.1_{3,4}) = f(1.1._{1,3,4}, 0.2_{1,2}, 2.1_{1,4})$
37. $(3.1_{3,4}) = f(1.1._{1,3,4}, 0.3_{2,3})$

38. $(3.1_{3,4}) = f(1.1._{1,3,4}, 0.3_{2,3}, 2.1_{1,4})$
39. $(3.1_{3,4}) = f(1.1._{1,3,4}, 2.1_{1,4})$
40. $(3.1_{3,4}) = f(1.1._{1,3,4}, 2.1_{1,4}, 0.1_{1,3})$
41. $(3.1_{3,4}) = f(1.1._{1,3,4}, 2.1_{1,4}, 0.2_{1,2})$
42. $(3.1_{3,4}) = f(1.1._{1,3,4}, 2.1_{1,4}, 0.3_{2,3})$
43. $(3.1_{3,4}) = f(1.2._{1,4}, 0.2_{1,2})$
44. $(3.1_{3,4}) = f(1.2._{1,4}, 0.2_{1,2}, 2.1_{1,4})$
45. $(3.1_{3,4}) = f(1.2._{1,4}, 0.2_{1,2}, 2.2_{1,2,4})$
46. $(3.1_{3,4}) = f(1.2._{1,4}, 0.3_{2,3})$
47. $(3.1_{3,4}) = f(1.2._{1,4}, 0.3_{2,3}, 2.1_{1,4})$
48. $(3.1_{3,4}) = f(1.2._{1,4}, 0.3_{2,3}, 2.2_{1,2,4})$
49. $(3.1_{3,4}) = f(1.2._{1,4}, 1.3_{3,4})$
50. $(3.1_{3,4}) = f(1.2._{1,4}, 1.3_{3,4}, 3.0_{2,3})$
51. $(3.1_{3,4}) = f(1.2._{1,4}, 2.1_{1,4})$
52. $(3.1_{3,4}) = f(1.2._{1,4}, 2.1_{1,4}, 0.2_{1,2})$
53. $(3.1_{3,4}) = f(1.2._{1,4}, 2.1_{1,4}, 0.3_{2,3})$
54. $(3.1_{3,4}) = f(1.2._{1,4}, 2.2_{1,2,4})$
55. $(3.1_{3,4}) = f(1.2._{1,4}, 2.2_{1,2,4}, 0.2_{1,2})$
56. $(3.1_{3,4}) = f(1.2._{1,4}, 2.2_{1,2,4}, 0.3_{2,3})$
57. $(3.1_{3,4}) = f(1.2._{1,4}, 3.0_{2,3})$
58. $(3.1_{3,4}) = f(1.2._{1,4}, 3.0_{2,3}, 1.3_{3,4})$
59. $(3.1_{3,4}) = f(1.3_{3,4}, 0.3_{2,3})$
60. $(3.1_{3,4}) = f(1.3_{3,4}, 0.3_{2,3}, 2.1_{1,4})$
61. $(3.1_{3,4}) = f(1.3_{3,4}, 0.3_{2,3}, 2.2_{1,2,4})$
62. $(3.1_{3,4}) = f(1.3_{3,4}, 0.3_{2,3}, 2.3_{2,4})$
63. $(3.1_{3,4}) = f(1.3_{3,4}, 1.2._{1,4})$
64. $(3.1_{3,4}) = f(1.3_{3,4}, 1.2._{1,4}, 3.0_{2,3})$
65. $(3.1_{3,4}) = f(1.3_{3,4}, 2.1_{1,4})$
66. $(3.1_{3,4}) = f(1.3_{3,4}, 2.1_{1,4}, 0.3_{2,3})$
67. $(3.1_{3,4}) = f(1.3_{3,4}, 2.2_{1,2,4})$
68. $(3.1_{3,4}) = f(1.3_{3,4}, 2.2_{1,2,4}, 0.3_{2,3})$
69. $(3.1_{3,4}) = f(1.3_{3,4}, 2.2_{1,2,4}, 3.0_{2,3})$
70. $(3.1_{3,4}) = f(1.3_{3,4}, 2.3_{2,4})$
71. $(3.1_{3,4}) = f(1.3_{3,4}, 2.3_{2,4}, 0.3_{2,3})$
72. $(3.1_{3,4}) = f(1.3_{3,4}, 3.0_{2,3})$
73. $(3.1_{3,4}) = f(1.3_{3,4}, 3.0_{2,3}, 1.2._{1,4})$
74. $(3.1_{3,4}) = f(1.3_{3,4}, 3.0_{2,3}, 2.2_{1,2,4})$
75. $(3.1_{3,4}) = f(1.3_{3,4}, 3.0_{2,3}, 3.2_{2,4})$
76. $(3.1_{3,4}) = f(1.3_{3,4}, 3.2_{2,4})$
77. $(3.1_{3,4}) = f(1.3_{3,4}, 3.2_{2,4}, 3.0_{2,3})$
78. $(3.1_{3,4}) = f(2.1_{1,4}, 0.1_{1,3})$

79. $(3.1_{3,4}) = f(2.1_{1,4}, 0.1_{1,3}, 1.1._{1,3,4})$
80. $(3.1_{3,4}) = f(2.1_{1,4}, 0.2_{1,2})$
81. $(3.1_{3,4}) = f(2.1_{1,4}, 0.2_{1,2}, 1.1._{1,3,4})$
82. $(3.1_{3,4}) = f(2.1_{1,4}, 0.2_{1,2}, 1.2._{1,4})$
83. $(3.1_{3,4}) = f(2.1_{1,4}, 0.3_{2,3})$
84. $(3.1_{3,4}) = f(2.1_{1,4}, 0.3_{2,3}, 1.1._{1,3,4})$
85. $(3.1_{3,4}) = f(2.1_{1,4}, 0.3_{2,3}, 1.2._{1,4})$
86. $(3.1_{3,4}) = f(2.1_{1,4}, 0.3_{2,3}, 1.3_{3,4})$
87. $(3.1_{3,4}) = f(2.1_{1,4}, 1.1._{1,3,4})$
88. $(3.1_{3,4}) = f(2.1_{1,4}, 1.1._{1,3,4}, 0.1_{1,3})$
89. $(3.1_{3,4}) = f(2.1_{1,4}, 1.1._{1,3,4}, 0.2_{1,2})$
90. $(3.1_{3,4}) = f(2.1_{1,4}, 1.1._{1,3,4}, 0.3_{2,3})$
91. $(3.1_{3,4}) = f(2.1_{1,4}, 1.2._{1,4})$
92. $(3.1_{3,4}) = f(2.1_{1,4}, 1.2._{1,4}, 0.2_{1,2})$
93. $(3.1_{3,4}) = f(2.1_{1,4}, 1.2._{1,4}, 0.3_{2,3})$
94. $(3.1_{3,4}) = f(2.1_{1,4}, 1.3_{3,4})$
95. $(3.1_{3,4}) = f(2.1_{1,4}, 1.3_{3,4}, 0.3_{2,3})$
96. $(3.1_{3,4}) = f(2.2_{1,2,4}, 0.2_{1,2})$
97. $(3.1_{3,4}) = f(2.2_{1,2,4}, 0.2_{1,2}, 1.2._{1,4})$
98. $(3.1_{3,4}) = f(2.2_{1,2,4}, 0.3_{2,3})$
99. $(3.1_{3,4}) = f(2.2_{1,2,4}, 0.3_{2,3}, 1.2._{1,4})$
100. $(3.1_{3,4}) = f(2.2_{1,2,4}, 0.3_{2,3}, 1.3_{3,4})$
101. $(3.1_{3,4}) = f(2.2_{1,2,4}, 1.2._{1,4})$
102. $(3.1_{3,4}) = f(2.2_{1,2,4}, 1.2._{1,4}, 0.2_{1,2})$
103. $(3.1_{3,4}) = f(2.2_{1,2,4}, 1.2._{1,4}, 0.3_{2,3})$
104. $(3.1_{3,4}) = f(2.2_{1,2,4}, 1.3_{3,4})$
105. $(3.1_{3,4}) = f(2.2_{1,2,4}, 1.3_{3,4}, 0.3_{2,3})$
106. $(3.1_{3,4}) = f(2.2_{1,2,4}, 1.3_{3,4}, 3.0_{2,3})$
107. $(3.1_{3,4}) = f(2.2_{1,2,4}, 2.3_{2,4})$
108. $(3.1_{3,4}) = f(2.2_{1,2,4}, 2.3_{2,4}, 3.0_{2,3})$
109. $(3.1_{3,4}) = f(2.2_{1,2,4}, 3.0_{2,3})$
110. $(3.1_{3,4}) = f(2.2_{1,2,4}, 3.0_{2,3}, 1.3_{3,4})$
111. $(3.1_{3,4}) = f(2.2_{1,2,4}, 3.0_{2,3}, 2.3_{2,4})$
112. $(3.1_{3,4}) = f(2.3_{2,4}, 0.3_{2,3})$
113. $(3.1_{3,4}) = f(2.3_{2,4}, 0.3_{2,3}, 1.3_{3,4})$
114. $(3.1_{3,4}) = f(2.3_{2,4}, 1.3_{3,4})$
115. $(3.1_{3,4}) = f(2.3_{2,4}, 1.3_{3,4}, 0.3_{2,3})$
116. $(3.1_{3,4}) = f(2.3_{2,4}, 2.2_{1,2,4})$
117. $(3.1_{3,4}) = f(2.3_{2,4}, 2.2_{1,2,4}, 3.0_{2,3})$

118. $(3.1_{3,4}) = f(2.3_{2,4}, 3.0_{2,3})$
119. $(3.1_{3,4}) = f(2.3_{2,4}, 3.0_{2,3}, 2.2_{1,2,4})$
120. $(3.1_{3,4}) = f(2.3_{2,4}, 3.0_{2,3}, 3.2_{2,4})$
121. $(3.1_{3,4}) = f(2.3_{2,4}, 3.2_{2,4})$
122. $(3.1_{3,4}) = f(2.3_{2,4}, 3.2_{2,4}, 3.0_{2,3})$
123. $(3.1_{3,4}) = f(3.0_{2,3}, 1.2._{1,4})$
124. $(3.1_{3,4}) = f(3.0_{2,3}, 1.2._{1,4}, 1.3_{3,4})$
125. $(3.1_{3,4}) = f(3.0_{2,3}, 1.3_{3,4})$
126. $(3.1_{3,4}) = f(3.0_{2,3}, 1.3_{3,4}, 1.2._{1,4})$
127. $(3.1_{3,4}) = f(3.0_{2,3}, 1.3_{3,4}, 2.2_{1,2,4})$
128. $(3.1_{3,4}) = f(3.0_{2,3}, 1.3_{3,4}, 3.2_{2,4})$
129. $(3.1_{3,4}) = f(3.0_{2,3}, 2.2_{1,2,4})$
130. $(3.1_{3,4}) = f(3.0_{2,3}, 2.2_{1,2,4}, 1.3_{3,4})$
131. $(3.1_{3,4}) = f(3.0_{2,3}, 2.2_{1,2,4}, 2.3_{2,4})$
132. $(3.1_{3,4}) = f(3.0_{2,3}, 2.3_{2,4})$
133. $(3.1_{3,4}) = f(3.0_{2,3}, 2.3_{2,4}, 2.2_{1,2,4})$
134. $(3.1_{3,4}) = f(3.0_{2,3}, 2.3_{2,4}, 3.2_{2,4})$
135. $(3.1_{3,4}) = f(3.0_{2,3}, 3.2_{2,4})$
136. $(3.1_{3,4}) = f(3.0_{2,3}, 3.2_{2,4}, 1.3_{3,4})$
137. $(3.1_{3,4}) = f(3.0_{2,3}, 3.2_{2,4}, 2.3_{2,4})$
138. $(3.1_{3,4}) = f(3.0_{2,3}, 3.2_{2,4}, 3.3_{2,3,4})$
139. $(3.1_{3,4}) = f(3.0_{2,3}, 3.3_{2,3,4})$
140. $(3.1_{3,4}) = f(3.0_{2,3}, 3.3_{2,3,4}, 3.2_{2,4})$
141. $(3.1_{3,4}) = f(3.2_{2,4}, 1.3_{3,4})$
142. $(3.1_{3,4}) = f(3.2_{2,4}, 1.3_{3,4}, 3.0_{2,3})$
143. $(3.1_{3,4}) = f(3.2_{2,4}, 2.3_{2,4})$
144. $(3.1_{3,4}) = f(3.2_{2,4}, 2.3_{2,4}, 3.0_{2,3})$
145. $(3.1_{3,4}) = f(3.2_{2,4}, 3.0_{2,3})$
146. $(3.1_{3,4}) = f(3.2_{2,4}, 3.0_{2,3}, 1.3_{3,4})$
147. $(3.1_{3,4}) = f(3.2_{2,4}, 3.0_{2,3}, 2.3_{2,4})$
148. $(3.1_{3,4}) = f(3.2_{2,4}, 3.0_{2,3}, 3.3_{2,3,4})$
149. $(3.1_{3,4}) = f(3.2_{2,4}, 3.3_{2,3,4})$
150. $(3.1_{3,4}) = f(3.2_{2,4}, 3.3_{2,3,4}, 3.0_{2,3})$
151. $(3.1_{3,4}) = f(3.3_{2,3,4}, 3.0_{2,3})$
152. $(3.1_{3,4}) = f(3.3_{2,3,4}, 3.0_{2,3}, 3.2_{2,4})$
153. $(3.1_{3,4}) = f(3.3_{2,3,4}, 3.2_{2,4})$
154. $(3.1_{3,4}) = f(3.3_{2,3,4}, 3.2_{2,4}, 3.0_{2,3})$

2.14. Functions with w = $(3.2_{2,4})$

1. $(3.2_{2,4}) = f(0.2_{1,2}, 1.2._{1,4})$
2. $(3.2_{2,4}) = f(0.2_{1,2}, 1.2._{1,4}, 2.2_{1,2,4})$
3. $(3.2_{2,4}) = f(0.2_{1,2}, 2.2_{1,2,4})$
4. $(3.2_{2,4}) = f(0.2_{1,2}, 2.2_{1,2,4}, 1.2._{1,4})$
5. $(3.2_{2,4}) = f(0.3_{2,3}, 1.2._{1,4})$
6. $(3.2_{2,4}) = f(0.3_{2,3}, 1.2._{1,4}, 2.2_{1,2,4})$
7. $(3.2_{2,4}) = f(0.3_{2,3}, 1.3_{3,4})$
8. $(3.2_{2,4}) = f(0.3_{2,3}, 1.3_{3,4}, 2.2_{1,2,4})$
9. $(3.2_{2,4}) = f(0.3_{2,3}, 1.3_{3,4}, 2.3_{2,4})$
10. $(3.2_{2,4}) = f(0.3_{2,3}, 2.2_{1,2,4})$
11. $(3.2_{2,4}) = f(0.3_{2,3}, 2.2_{1,2,4}, 1.2._{1,4})$
12. $(3.2_{2,4}) = f(0.3_{2,3}, 2.2_{1,2,4}, 1.3_{3,4})$
13. $(3.2_{2,4}) = f(0.3_{2,3}, 2.3_{2,4})$
14. $(3.2_{2,4}) = f(0.3_{2,3}, 2.3_{2,4}, 1.3_{3,4})$
15. $(3.2_{2,4}) = f(1.2._{1,4}, 0.2_{1,2})$
16. $(3.2_{2,4}) = f(1.2._{1,4}, 0.2_{1,2}, 2.2_{1,2,4})$
17. $(3.2_{2,4}) = f(1.2._{1,4}, 0.3_{2,3})$
18. $(3.2_{2,4}) = f(1.2._{1,4}, 0.3_{2,3}, 2.2_{1,2,4})$
19. $(3.2_{2,4}) = f(1.2._{1,4}, 2.2_{1,2,4})$
20. $(3.2_{2,4}) = f(1.2._{1,4}, 2.2_{1,2,4}, 0.2_{1,2})$
21. $(3.2_{2,4}) = f(1.2._{1,4}, 2.2_{1,2,4}, 0.3_{2,3})$
22. $(3.2_{2,4}) = f(1.3_{3,4}, 0.3_{2,3})$
23. $(3.2_{2,4}) = f(1.3_{3,4}, 0.3_{2,3}, 2.2_{1,2,4})$
24. $(3.2_{2,4}) = f(1.3_{3,4}, 0.3_{2,3}, 2.3_{2,4})$
25. $(3.2_{2,4}) = f(1.3_{3,4}, 2.2_{1,2,4})$
26. $(3.2_{2,4}) = f(1.3_{3,4}, 2.2_{1,2,4}, 0.3_{2,3})$
27. $(3.2_{2,4}) = f(1.3_{3,4}, 2.3_{2,4})$
28. $(3.2_{2,4}) = f(1.3_{3,4}, 2.3_{2,4}, 0.3_{2,3})$
29. $(3.2_{2,4}) = f(1.3_{3,4}, 3.0_{2,3})$
30. $(3.2_{2,4}) = f(1.3_{3,4}, 3.0_{2,3}, 3.1_{3,4})$
31. $(3.2_{2,4}) = f(1.3_{3,4}, 3.1_{3,4})$
32. $(3.2_{2,4}) = f(1.3_{3,4}, 3.1_{3,4}, 3.0_{2,3})$
33. $(3.2_{2,4}) = f(2.2_{1,2,4}, 0.2_{1,2})$
34. $(3.2_{2,4}) = f(2.2_{1,2,4}, 0.2_{1,2}, 1.2._{1,4})$
35. $(3.2_{2,4}) = f(2.2_{1,2,4}, 0.3_{2,3})$
36. $(3.2_{2,4}) = f(2.2_{1,2,4}, 0.3_{2,3}, 1.2._{1,4})$
37. $(3.2_{2,4}) = f(2.2_{1,2,4}, 0.3_{2,3}, 1.3_{3,4})$
38. $(3.2_{2,4}) = f(2.2_{1,2,4}, 1.2._{1,4})$
39. $(3.2_{2,4}) = f(2.2_{1,2,4}, 1.2._{1,4}, 0.2_{1,2})$

40. $(3.2_{2,4}) = f(2.2_{1,2,4}, 1.2._{1,4}, 0.3_{2,3})$
41. $(3.2_{2,4}) = f(2.2_{1,2,4}, 1.3_{3,4})$
42. $(3.2_{2,4}) = f(2.2_{1,2,4}, 1.3_{3,4}, 0.3_{2,3})$
43. $(3.2_{2,4}) = f(2.3_{2,4}, 0.3_{2,3})$
44. $(3.2_{2,4}) = f(2.3_{2,4}, 0.3_{2,3}, 1.3_{3,4})$
45. $(3.2_{2,4}) = f(2.3_{2,4}, 1.3_{3,4})$
46. $(3.2_{2,4}) = f(2.3_{2,4}, 1.3_{3,4}, 0.3_{2,3})$
47. $(3.2_{2,4}) = f(2.3_{2,4}, 3.0_{2,3})$
48. $(3.2_{2,4}) = f(2.3_{2,4}, 3.0_{2,3}, 3.1_{3,4})$
49. $(3.2_{2,4}) = f(2.3_{2,4}, 3.1_{3,4})$
50. $(3.2_{2,4}) = f(2.3_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
51. $(3.2_{2,4}) = f(3.0_{2,3}, 1.3_{3,4})$
52. $(3.2_{2,4}) = f(3.0_{2,3}, 1.3_{3,4}, 3.1_{3,4})$
53. $(3.2_{2,4}) = f(3.0_{2,3}, 2.3_{2,4})$
54. $(3.2_{2,4}) = f(3.0_{2,3}, 2.3_{2,4}, 3.1_{3,4})$
55. $(3.2_{2,4}) = f(3.0_{2,3}, 3.1_{3,4})$
56. $(3.2_{2,4}) = f(3.0_{2,3}, 3.1_{3,4}, 1.3_{3,4})$
57. $(3.2_{2,4}) = f(3.0_{2,3}, 3.1_{3,4}, 2.3_{2,4})$
58. $(3.2_{2,4}) = f(3.0_{2,3}, 3.1_{3,4}, 3.3_{2,3,4})$
59. $(3.2_{2,4}) = f(3.0_{2,3}, 3.3_{2,3,4})$
60. $(3.2_{2,4}) = f(3.0_{2,3}, 3.3_{2,3,4}, 3.1_{3,4})$
61. $(3.2_{2,4}) = f(3.1_{3,4}, 1.3_{3,4})$
62. $(3.2_{2,4}) = f(3.1_{3,4}, 1.3_{3,4}, 3.0_{2,3})$
63. $(3.2_{2,4}) = f(3.1_{3,4}, 2.3_{2,4})$
64. $(3.2_{2,4}) = f(3.1_{3,4}, 2.3_{2,4}, 3.0_{2,3})$
65. $(3.2_{2,4}) = f(3.1_{3,4}, 3.0_{2,3})$
66. $(3.2_{2,4}) = f(3.1_{3,4}, 3.0_{2,3}, 1.3_{3,4})$
67. $(3.2_{2,4}) = f(3.1_{3,4}, 3.0_{2,3}, 2.3_{2,4})$
68. $(3.2_{2,4}) = f(3.1_{3,4}, 3.0_{2,3}, 3.3_{2,3,4})$
69. $(3.2_{2,4}) = f(3.1_{3,4}, 3.3_{2,3,4})$
70. $(3.2_{2,4}) = f(3.1_{3,4}, 3.3_{2,3,4}, 3.0_{2,3})$
71. $(3.2_{2,4}) = f(3.3_{2,3,4}, 3.0_{2,3})$
72. $(3.2_{2,4}) = f(3.3_{2,3,4}, 3.0_{2,3}, 3.1_{3,4})$
73. $(3.2_{2,4}) = f(3.3_{2,3,4}, 3.1_{3,4})$
74. $(3.2_{2,4}) = f(3.3_{2,3,4}, 3.1_{3,4}, 3.0_{2,3})$

2.15. Functions with w = $(3.3_{2,3,4})$

1. $(3.3_{2,3,4}) = f(0.3_{2,3}, 1.3_{3,4})$
2. $(3.3_{2,3,4}) = f(0.3_{2,3}, 1.3_{3,4}, 2.3_{2,4})$
3. $(3.3_{2,3,4}) = f(0.3_{2,3}, 2.3_{2,4})$
4. $(3.3_{2,3,4}) = f(0.3_{2,3}, 2.3_{2,4}, 1.3_{3,4})$
5. $(3.3_{2,3,4}) = f(1.3_{3,4}, 0.3_{2,3})$
6. $(3.3_{2,3,4}) = f(1.3_{3,4}, 0.3_{2,3}, 2.3_{2,4})$
7. $(3.3_{2,3,4}) = f(1.3_{3,4}, 2.3_{2,4})$
8. $(3.3_{2,3,4}) = f(1.3_{3,4}, 2.3_{2,4}, 0.3_{2,3})$
9. $(3.3_{2,3,4}) = f(2.3_{2,4}, 0.3_{2,3})$
10. $(3.3_{2,3,4}) = f(2.3_{2,4}, 0.3_{2,3}, 1.3_{3,4})$
11. $(3.3_{2,3,4}) = f(2.3_{2,4}, 1.3_{3,4})$
12. $(3.3_{2,3,4}) = f(2.3_{2,4}, 1.3_{3,4}, 0.3_{2,3})$
13. $(3.3_{2,3,4}) = f(3.0_{2,3}, 3.1_{3,4})$
14. $(3.3_{2,3,4}) = f(3.0_{2,3}, 3.1_{3,4}, 3.2_{2,4})$
15. $(3.3_{2,3,4}) = f(3.0_{2,3}, 3.2_{2,4})$
16. $(3.3_{2,3,4}) = f(3.0_{2,3}, 3.2_{2,4}, 3.1_{3,4})$
17. $(3.3_{2,3,4}) = f(3.1_{3,4}, 3.0_{2,3})$
18. $(3.3_{2,3,4}) = f(3.1_{3,4}, 3.0_{2,3}, 3.2_{2,4})$
19. $(3.3_{2,3,4}) = f(3.1_{3,4}, 3.2_{2,4})$
20. $(3.3_{2,3,4}) = f(3.1_{3,4}, 3.2_{2,4}, 3.0_{2,3})$
21. $(3.3_{2,3,4}) = f(3.2_{2,4}, 3.0_{2,3})$
22. $(3.3_{2,3,4}) = f(3.2_{2,4}, 3.0_{2,3}, 3.1_{3,4})$
23. $(3.3_{2,3,4}) = f(3.2_{2,4}, 3.1_{3,4})$
24. $(3.3_{2,3,4}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$

3. The list of 1'162 polycontextural functions presented here is exhaustive for a pre-semiotic 4-contextural 4-adic sign model. However, functions, which contain values that lie in more than 1 semiotic contexture, can be "split up" into several more functions, according to combinatorics. E.g., the function

$$(3.3_{2,3,4}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$$

can be split up in

$$(3.3_{2}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$$
$$(3.3_{3}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$$
$$(3.3_{4}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$$

$(3.3_{2,3}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
$(3.3_{2,4}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
$(3.3_{3,4}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
$(3.3_{2,3,4}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
$(3.3_{2,4,3}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
$(3.3_{3,2,4}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
$(3.3_{3,4,2}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
$(3.3_{4,2,3}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3})$
$(3.3_{4,3,2}) = f(3.2_{2,4}, 3.1_{3,4}, 3.0_{2,3}).$

For the sake of avoiding longer lists which can be produced easily, such combinatorial cases have been left away.

Another strong source for enormous increase of further semiotic functions is the permutation of the contextural indices, i.e. the "morphismic" order, its complementary "hetero-morphismic" order and the "mediative" morphimsm between them (cf. Toth 2009a).

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