

Instructions for the Resolve Tables

The following computer generated tables contain the shortest sequences of calls necessary to resolve any symmetric set of dancers from over 20 popular formations. These tables should be helpful for the caller who writes much of his material, and does not want to spend lots of time and calls resolving the square at the end of each sequence. It may also be useful for dancers who enjoy writing sequences, but who do not know how to resolve the set at the end of a sequence.

These tables can be generated for any level. The more calls the computer has with which to work, the shorter the sequences. At a Plus 2 level, most positions are resolved in no more than three calls. At a C4 level, this number is reduced to two calls. The tables resolve to the closest Left Allemande, Right And Left Grand, or Promenade Home.

The tables consist of one page which translates the 384 possible arraignments of dancers into a number between 0 and 95, and a two-sided piece of paper for each formation. To resolve a given position, one must read the numbers off your checkers and look that up on the first chart, remembering the number (between 0 and 95). Now find the page for your particular formation and look up the number. Beside it will be the series of calls necessary to resolve the set. Reading the numbers off the checkers seems to be the tricky part so we will go into that in a little more detail.

There are three shapes of setups that are used: 1x8 (i.e. a grand setup), 2x4 (includes waves, columns, etc.), and a Tag shape (e.g. Quarter Tag, Quarter Line, etc.).

		XX
	XXXX	34XX
1234XXXX	1234	12

First, your checkers must be rotated so that they are in one of the above shapes. Then, the first four dancers are read off bottom to top, left to right. From a squared set, a Heads Pair Off would be read as a 4L, 1M, 1L, 2M. Looking this up on the first table, gives a 59. From a squared set, a Heads Pass The Ocean would have to be rotated by 90 degrees (either direction) to give 4M, 4L, 1M, 1L (or 2M, 2L, 3M, 3L) both of which give a 0. One last example. From a squared set, Sides Pair Off gets rotated by 90 degrees to give either 1L, 2M, 2L, 3M, or 3L, 4M, 4L, 1M, both of which look up to be a 59. Note that this is the same as Heads Pair Off. Since the resolving tables never name dancers as heads or sides, the same sequence that will resolve a Heads Pair Off will resolve a Sides Pair Off.

There are certain restrictions that the computer used in generating these tables you should be aware of. First, there are no sex dependent calls, no two dancer calls (e.g. Touch and Pass Thru), and no calls in which the centers are the only ones active (e.g. Centers Square Thru Three). Second, the computer pays no attention to body flow or use of hands. It is up to you to check for these. Third, if I made a mistake, a particular sequence may not work. In the current set, the call Tag The Line Zig Zag was entered incorrectly, and any resolve that uses it will not work. For this reason, after looking one up, dance your checkers through it just to be sure. Many of the left hand versions of calls were not entered. This means that the calls the computer uses from left-hand setups (e.g. Left-Hand Ocean Waves) are limited. Better results are obtained by sticking to right-hand setups.

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494-9118

R H WAVE RESOLVES - 1985

1	1	2	2	3	3	4	4
1022 0	0122 48	2102 38	2102 86	3022 29	3122 77	4102 11	4102 59
1024 1	0124 49	2104 39	2104 87	3024 28	3124 76	4104 10	4104 58
1022 2	0122 50	2120 33	2120 81	3022 31	3122 79	4120 12	4120 60
1024 3	0124 51	2123 32	2123 80	3024 30	3124 78	4123 13	4123 61
1042 4	0142 52	2132 34	2132 82	3042 25	3142 73	4132 15	4132 63
1044 5	0144 53	2134 35	2134 83	3044 24	3144 72	4134 14	4134 62
1042 6	0142 54	2140 37	2140 85	3042 27	3142 75	4140 8	4140 56
1044 7	0144 55	2143 36	2143 84	3044 26	3144 74	4143 9	4143 57
1202 8	0212 56	2012 46	2012 94	3202 37	3212 85	4012 19	4012 67
1204 9	0214 57	2014 47	2014 95	3204 36	3214 84	4014 18	4014 66
1220 10	0221 58	2021 41	2021 89	3220 39	3221 87	4021 20	4021 68
1223 11	0223 59	2023 40	2023 88	3223 38	3223 86	4023 21	4023 69
1232 12	0232 60	2032 42	2032 90	3232 33	3232 81	4032 23	4032 71
1234 13	0234 61	2034 43	2034 91	3234 32	3234 80	4034 22	4034 70
1241 14	0241 62	2041 45	2041 93	3241 35	3241 83	4041 16	4041 64
1243 15	0243 63	2043 44	2043 92	3243 34	3243 82	4043 17	4043 65
1202 16	0212 64	2210 5	2210 53	3202 45	3212 93	4210 24	4210 72
1204 17	0214 65	2213 4	2213 52	3204 44	3214 92	4213 25	4213 73
1220 18	0221 66	2201 7	2201 55	3220 47	3221 95	4201 26	4201 74
1223 19	0223 67	2203 6	2203 54	3223 46	3223 94	4203 27	4203 75
1232 20	0232 68	2231 1	2231 49	3232 41	3232 89	4231 28	4231 76
1234 21	0234 69	2233 0	2233 48	3234 40	3234 88	4233 29	4233 77
1240 22	0241 70	2231 3	2231 51	3241 43	3241 91	4231 30	4231 78
1243 23	0243 71	2233 2	2233 50	3243 42	3243 90	4233 31	4233 79
1322 24	0322 72	2302 14	2302 62	3322 5	3322 53	4302 35	4302 83
1324 25	0324 73	2304 15	2304 63	3324 4	3324 52	4304 34	4304 82
1322 26	0322 74	2320 9	2320 57	3322 7	3322 55	4320 36	4320 84
1324 27	0324 75	2323 8	2323 56	3324 6	3324 54	4323 37	4323 85
1342 28	0342 76	2332 10	2332 58	3342 1	3342 49	4332 39	4332 87
1344 29	0344 77	2334 11	2334 59	3344 0	3344 48	4334 38	4334 86
1342 30	0342 78	2340 13	2340 61	3342 3	3342 51	4340 32	4340 80
1344 31	0344 79	2343 12	2343 60	3344 2	3344 50	4343 33	4343 81
1402 32	0412 80	2312 22	2312 70	3402 13	3412 61	4312 43	4312 91
1404 33	0414 81	2314 23	2314 71	3404 12	3414 60	4314 42	4314 90
1420 34	0421 82	2321 17	2321 65	3420 15	3421 63	4321 44	4321 92
1423 35	0423 83	2323 16	2323 64	3423 14	3423 62	4323 45	4323 93
1432 36	0432 84	2332 18	2332 66	3432 9	3432 57	4332 47	4332 95
1434 37	0434 85	2334 19	2334 67	3434 8	3434 56	4334 46	4334 94
1440 38	0441 86	2341 21	2341 69	3440 11	3441 59	4340 40	4340 88
1443 39	0443 87	2343 20	2343 68	3443 10	3443 58	4343 41	4343 89
1402 40	0412 88	2410 29	2410 77	3402 21	3412 69	4410 0	4410 48
1404 41	0414 89	2413 28	2413 76	3404 20	3414 68	4413 1	4413 49
1420 42	0421 90	2401 31	2401 79	3420 23	3421 71	4401 2	4401 50
1423 43	0423 91	2403 30	2403 78	3423 22	3423 70	4403 3	4403 51
1432 44	0432 92	2431 25	2431 73	3432 17	3432 65	4431 4	4431 52
1434 45	0434 93	2433 24	2433 72	3434 16	3434 64	4433 5	4433 53
1440 46	0441 94	2431 27	2431 75	3440 19	3441 67	4431 6	4431 54
1443 47	0443 95	2433 26	2433 74	3443 18	3443 66	4433 7	4433 55

among #40 get out
don't mark
should be #45

should be 83

u.oo

should →
be #45

check out
#40 again

DO ON

all sent to Baker 11/23/85.

1	①	2	②	3	③	4	④								
11022	0	01122	48	21102	38	21102	86	31022	29	31122	77	41102	11	41112	59
11024	1	01124	49	21104	39	21104	87	31024	28	31124	76	41104	10	41114	58
11022	2	01122	50	21120	33	21120	81	31022	31	31122	79	41120	12	41120	60
11024	3	01124	51	21123	32	21123	80	31024	30	31124	78	41123	13	41123	61
11042	4	01142	52	21132	34	21132	82	31042	25	31142	73	41132	15	41132	63
11044	5	01144	53	21134	35	21134	83	31044	24	31144	72	41134	14	41134	62
11042	6	01142	54	21140	37	21140	85	31042	27	31142	75	41140	8	41140	56
11044	7	01144	55	21143	36	21143	84	31044	26	31144	74	41143	9	41143	57
11202	8	02112	56	20112	46	20112	94	32012	37	32112	85	40112	19	40112	67
11204	9	02114	57	20114	47	20114	95	32014	36	32114	84	40114	18	40114	66
11220	10	0221	58	2021	41	2021	89	3221	39	3221	87	4021	20	4021	68
11223	11	0223	59	2023	40	2023	88	3223	38	3223	86	4023	21	4023	69
11232	12	0232	60	2032	42	2032	90	3232	33	3232	81	4032	23	4032	71
11234	13	0234	61	2034	43	2034	91	3234	32	3234	80	4034	22	4034	70
11241	14	0241	62	2041	45	2041	93	3241	35	3241	83	4041	16	4041	64
11243	15	0243	63	2043	44	2043	92	3243	34	3243	82	4043	17	4043	65
11212	16	02112	64	22110	5	22110	53	32012	45	32112	93	42110	24	42110	72
11214	17	02114	65	22113	4	22113	52	32014	44	32114	92	42113	25	42113	73
11221	18	0221	66	22011	7	22011	55	3221	47	3221	95	42011	26	42011	74
11223	19	0223	67	22013	6	22013	54	3223	46	3223	94	42013	27	42013	75
11232	20	0232	68	22310	1	22310	49	3232	41	3232	89	42310	28	42310	76
11234	21	0234	69	22330	0	22330	48	3234	40	3234	88	42330	29	42330	77
11241	22	0241	70	22311	3	22311	51	3241	43	3241	91	42311	30	42311	78
11243	23	0243	71	22331	2	22331	50	3243	42	3243	90	42331	31	42331	79
11322	24	0322	72	23102	14	23102	62	3322	5	3322	53	43102	35	43102	83
11324	25	0324	73	23104	15	23104	63	3324	4	3324	52	43104	34	43104	82
11322	26	0322	74	23210	9	23210	57	3322	7	3322	55	43210	36	43210	84
11324	27	0324	75	23230	8	23230	56	3324	6	3324	54	43230	37	43230	85
11342	28	0342	76	23320	10	23320	58	3342	1	3342	49	43320	39	43320	87
11344	29	0344	77	23340	11	23340	59	3344	0	3344	48	43340	38	43340	86
11342	30	0342	78	23410	13	23410	61	3342	3	3342	51	43410	32	43410	80
11344	31	0344	79	23430	12	23430	60	3344	2	3344	50	43430	33	43430	81
11402	32	04112	80	23112	22	23112	70	34012	13	34112	61	43112	43	43112	91
11404	33	04114	81	23114	23	23114	71	34014	12	34114	60	43114	42	43114	90
11420	34	0421	82	23210	17	23210	65	34210	15	34210	63	43210	44	43210	92
11423	35	0423	83	23230	16	23230	64	34230	14	34230	62	43230	45	43230	93
11432	36	0432	84	23320	18	23320	66	34320	9	34320	57	43320	47	43320	95
11434	37	0434	85	23340	19	23340	67	34340	8	34340	56	43340	46	43340	94
11440	38	0441	86	23410	21	23410	69	34410	11	34410	59	43410	40	43410	88
11443	39	0443	87	23430	20	23430	68	34430	10	34430	58	43430	41	43430	89
11412	40	04112	88	24110	29	24110	77	34012	21	34112	69	44110	0	44110	48
11414	41	04114	89	24113	28	24113	76	34014	20	34114	68	44113	1	44113	49
11420	42	0421	90	24011	31	24011	79	34210	23	34210	71	44011	2	44011	50
11423	43	0423	91	24013	30	24013	78	34230	22	34230	70	44013	3	44013	51
11432	44	0432	92	24310	25	24310	73	34320	17	34320	65	44310	4	44310	52
11434	45	0434	93	24330	24	24330	72	34340	16	34340	64	44330	5	44330	53
11440	46	0441	94	24311	27	24311	75	34410	19	34410	67	44311	6	44311	54
11443	47	0443	95	24331	26	24331	74	34430	18	34430	66	44331	7	44331	55