

Aresti System (Condensed)

Adopted by the FAI since 1961

Glider Aerobatics

Approved by the FAI Aerobatics Commission
for Glider Aerobatic Competitions
To take effect on 1 January 2005

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Aresti System S.L.

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ARESTI SYSTEM (Condensed)

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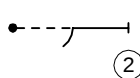
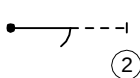
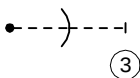
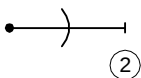
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RECORD OF AMENDMENTS

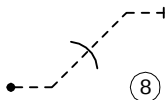
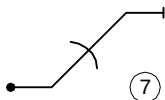
Date	Amdt. No.	Revision details	Changed Pages
1993-1997	1-4	Revisions of original 1990 version	
January 1999	2 nd Edition	Completely revised edition with deletion of Family 4, addition and modification of figures in Families 1, 8 and 9.	
January 2001	3 rd Edition	Changes to Family 2 representation and Family 8 figures	29 & 30 49 to 52
January 2002	Version 2002-1	Changes to Family 1	27
February 2002	Version 2002-2	K-factors added	27
November 2002	Version 2003-1	Crossover spins deleted	61
November 2004	Version 2005-1	Cover changed to new Aresti System design. Page numbering system normalised.	All

1. LINES AND ANGLES

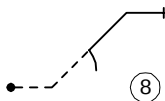
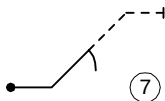
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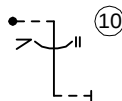
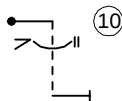
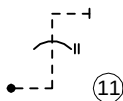
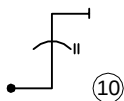
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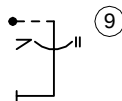
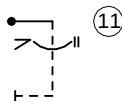
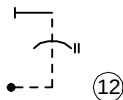
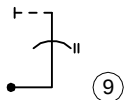
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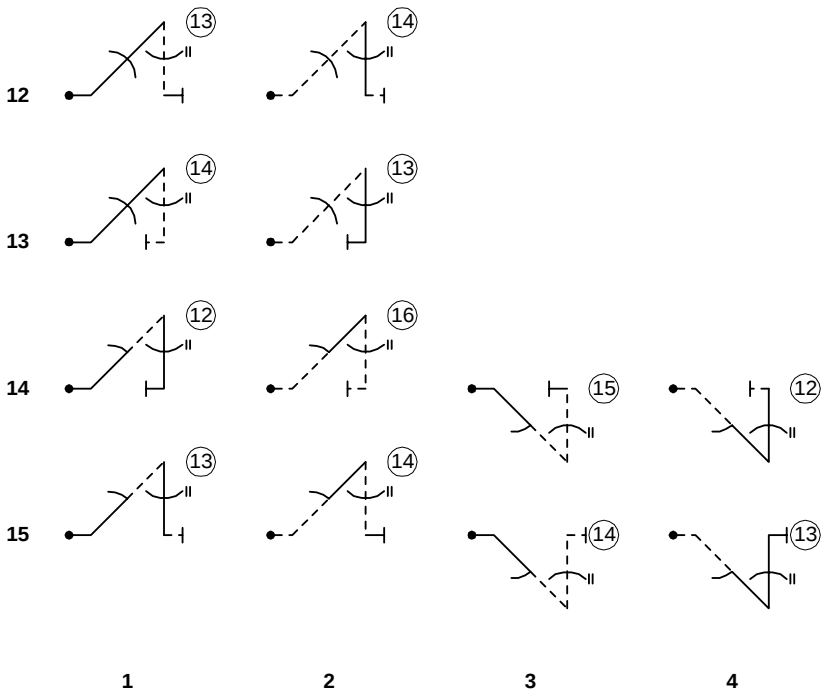
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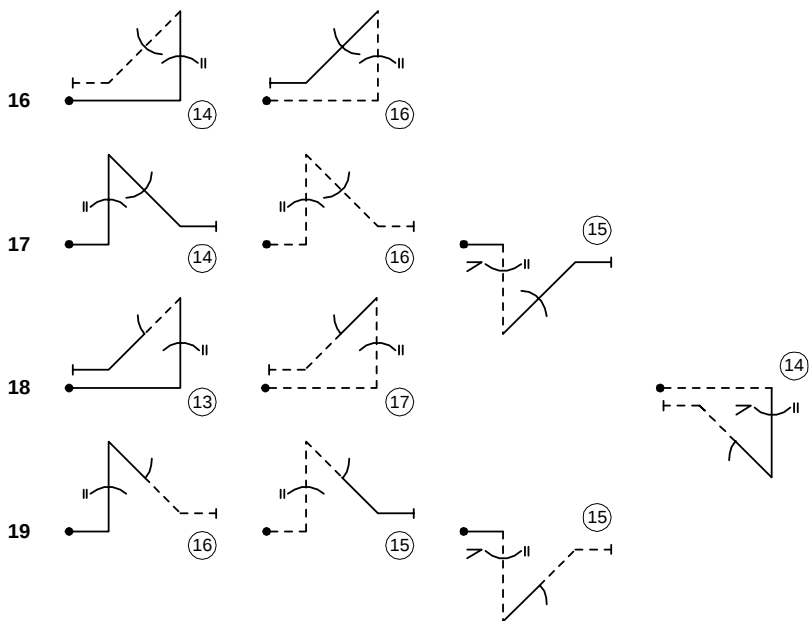
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1.



1.



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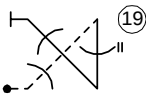
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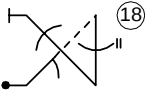
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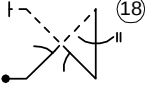
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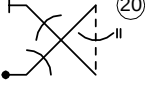
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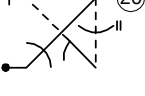


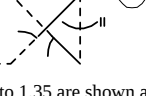




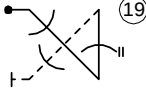


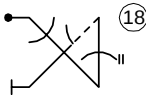




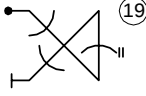


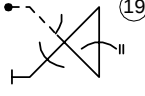
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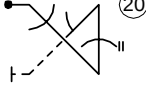














NOTE: Families 1.32 to 1.35 are shown as flown with a vertical rotation of 180 degrees. Other multiples of 90 degrees of vertical rotation are permitted

1

2

3

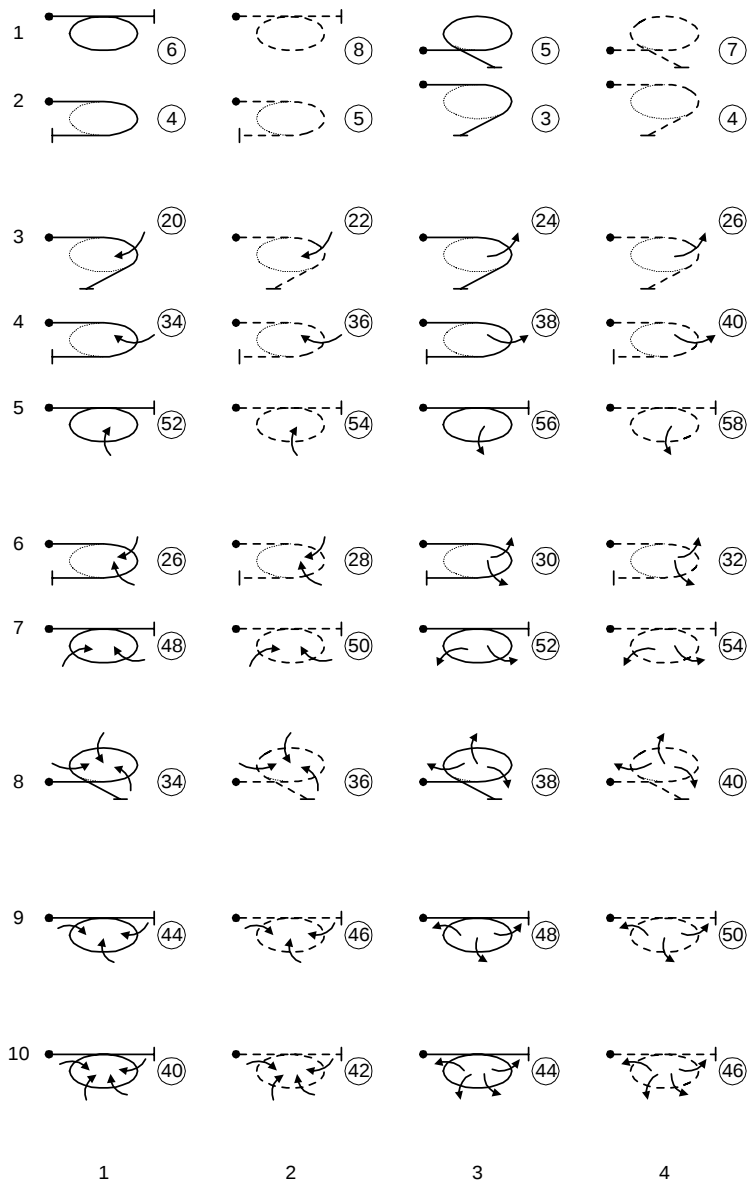
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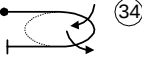
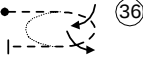
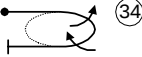
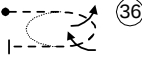
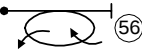
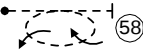
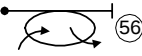
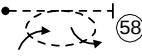
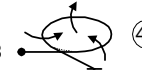
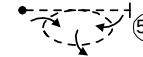
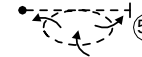
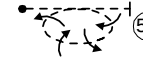
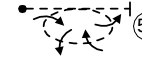
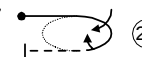
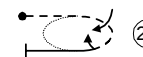
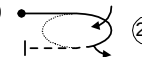
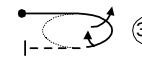
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Aresti System (Condensed)

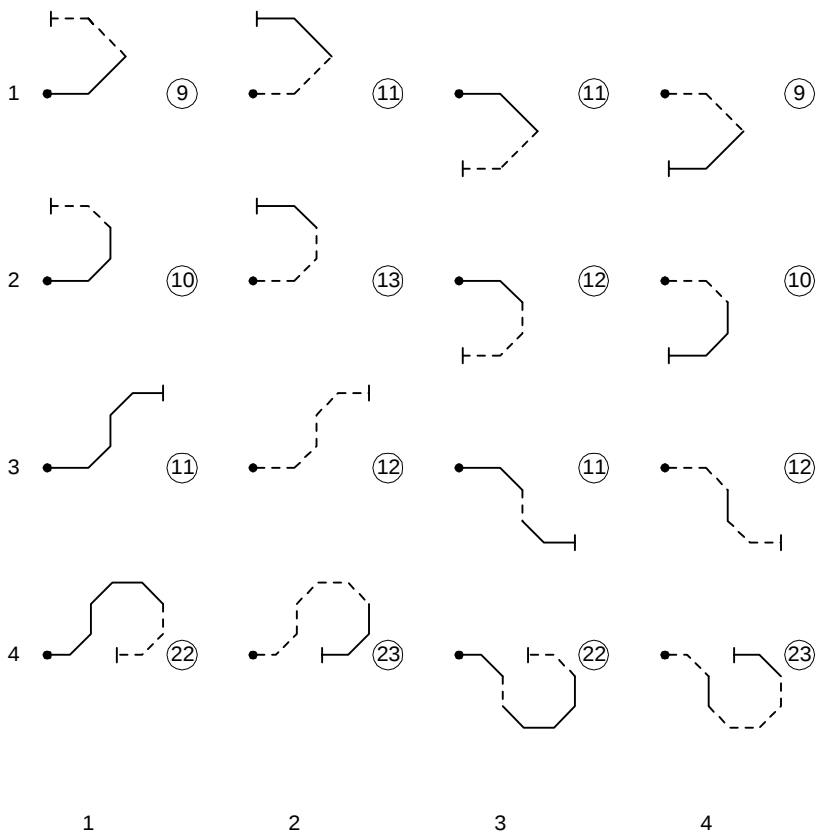
2. TURNS AND ROLLING TURNS



2.

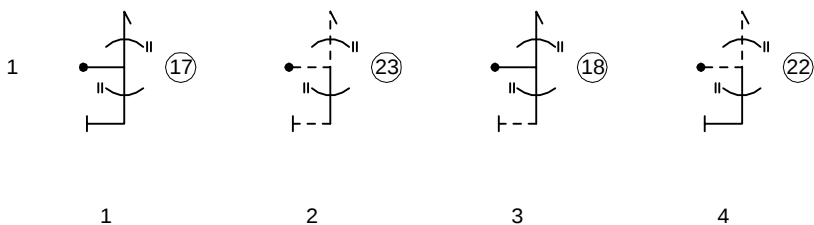
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16		15		15		17		17
17		24		24		26		26
18		38		38		40		40
19		28		28		30		30
20		44		44		46		46
	1		2		3		4	

3. COMBINATIONS OF LINES



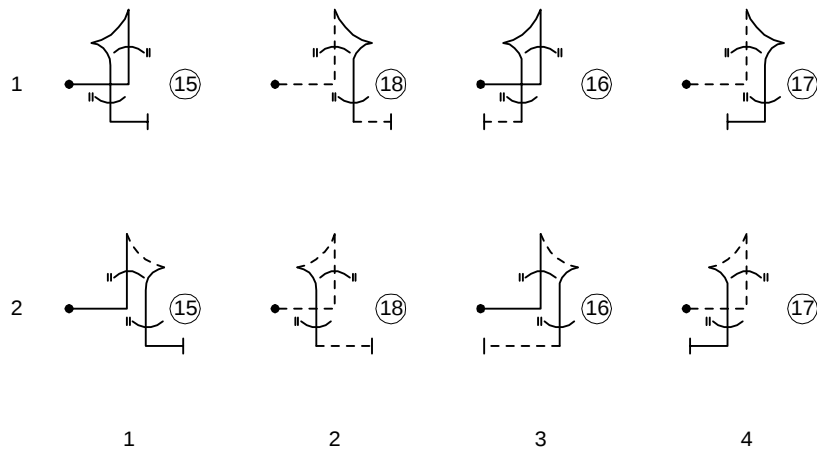
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5. STALL TURNS



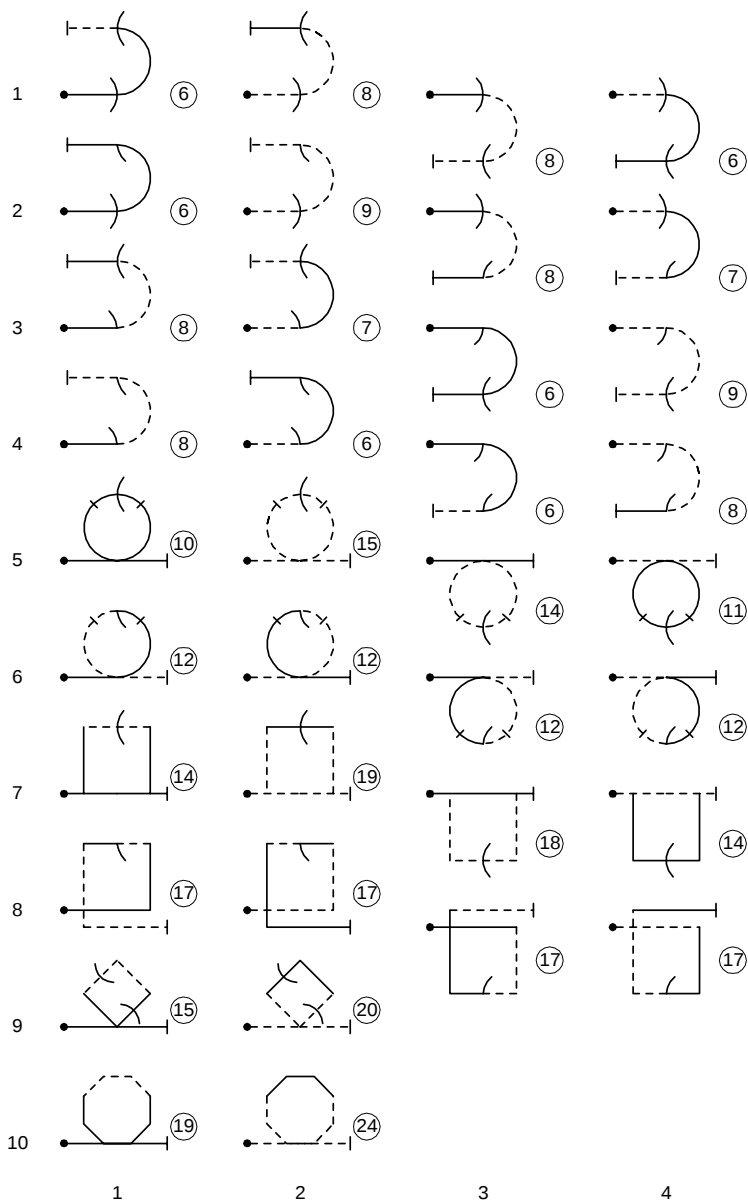
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6. TAILSLIDES

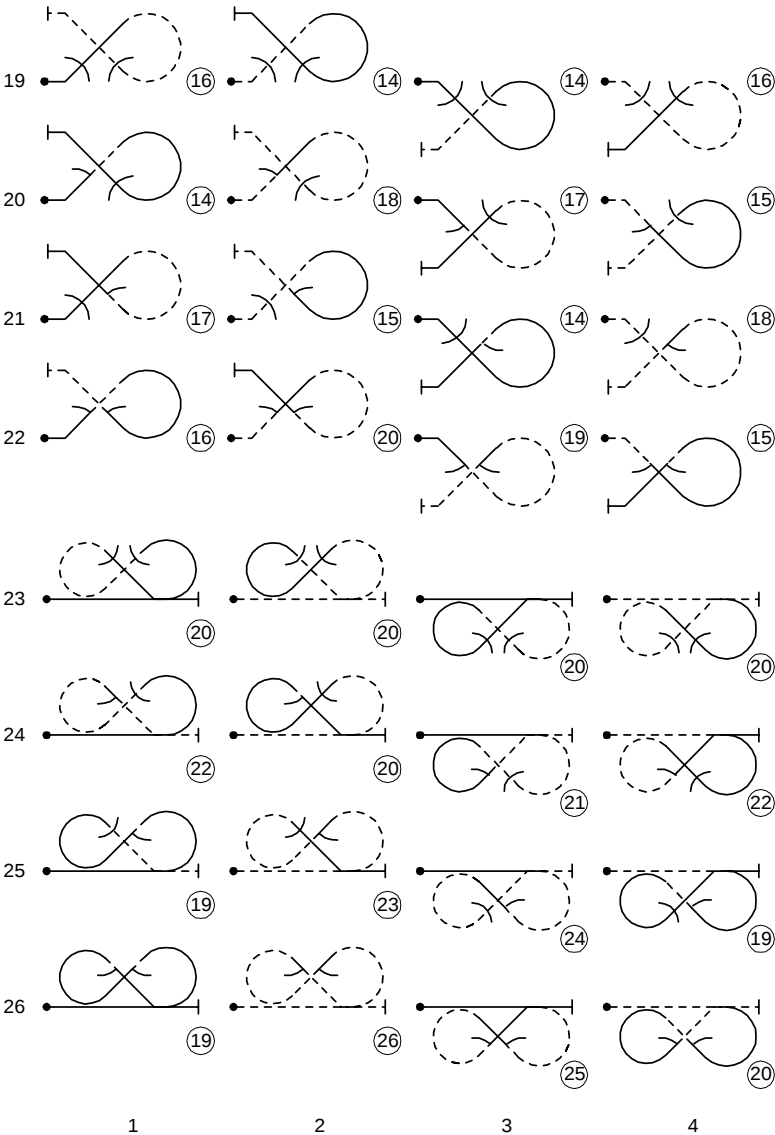


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7. LOOPS AND EIGHTS

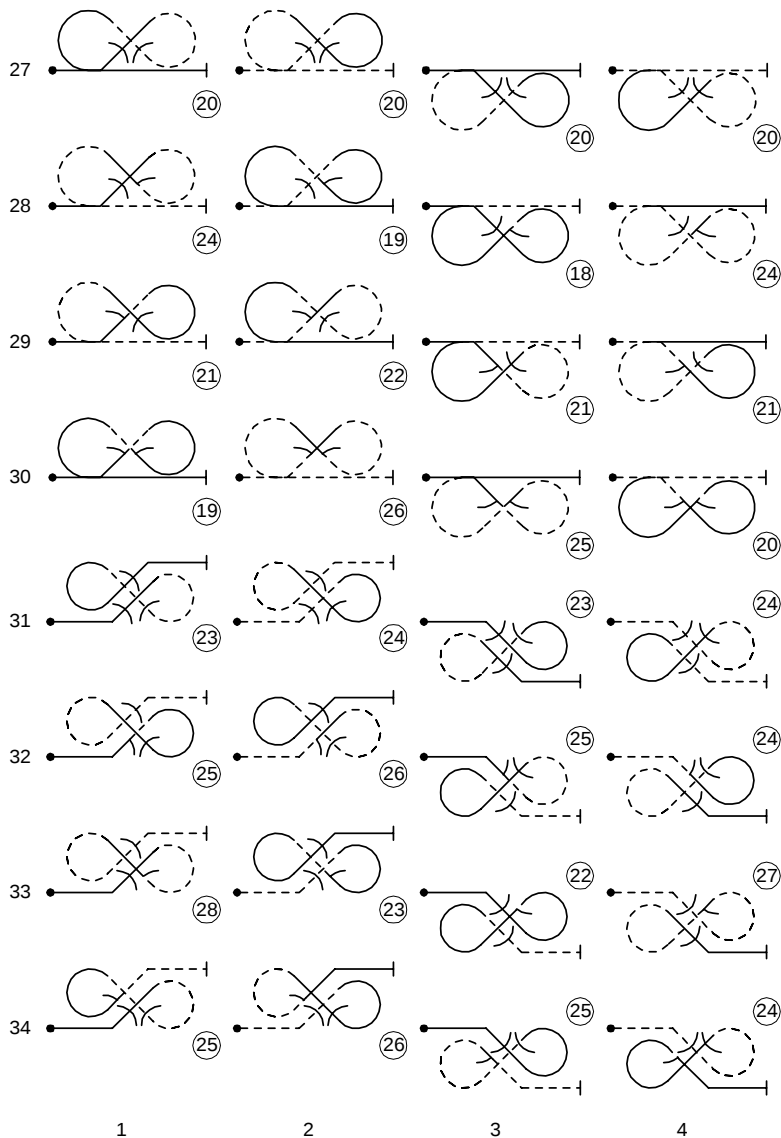


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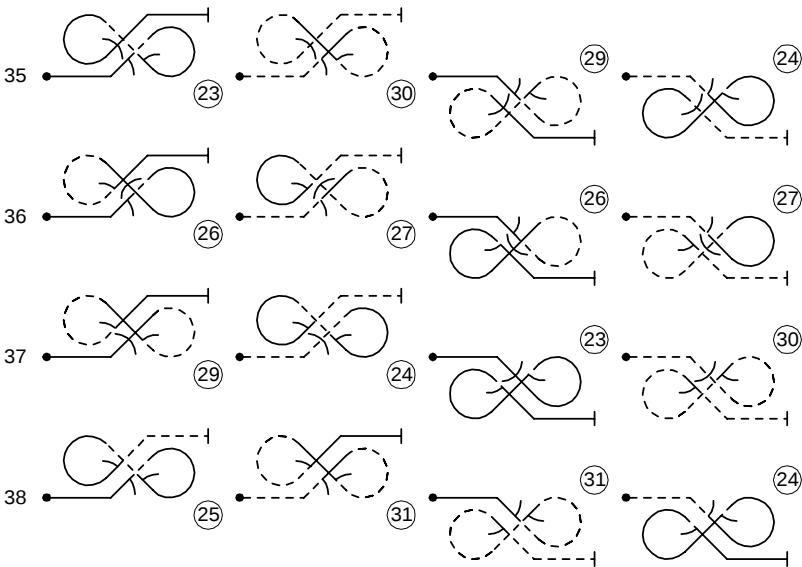
NOTE: At the sign , only half-rolls permitted.

7.



NOTE: At the sign  only half-rolls permitted.

7.



1

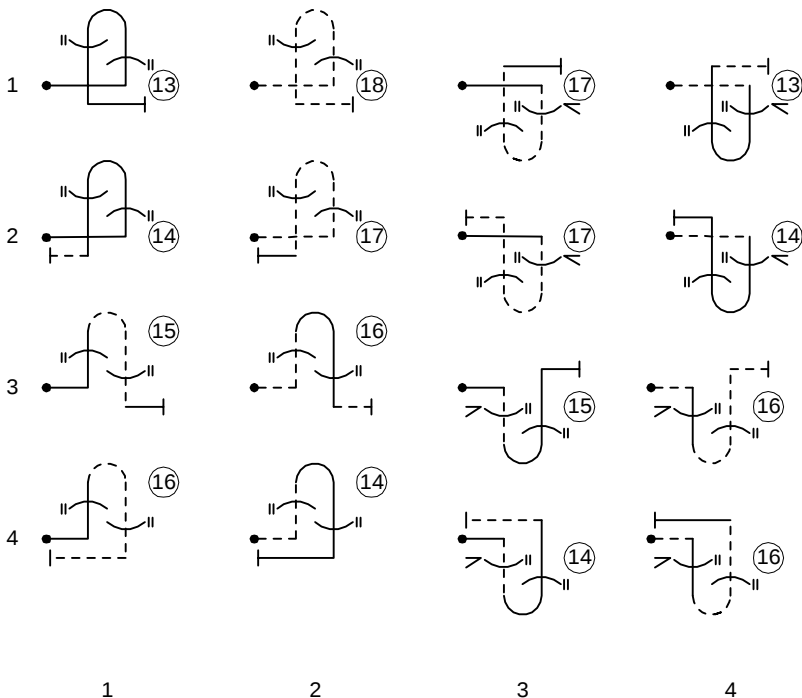
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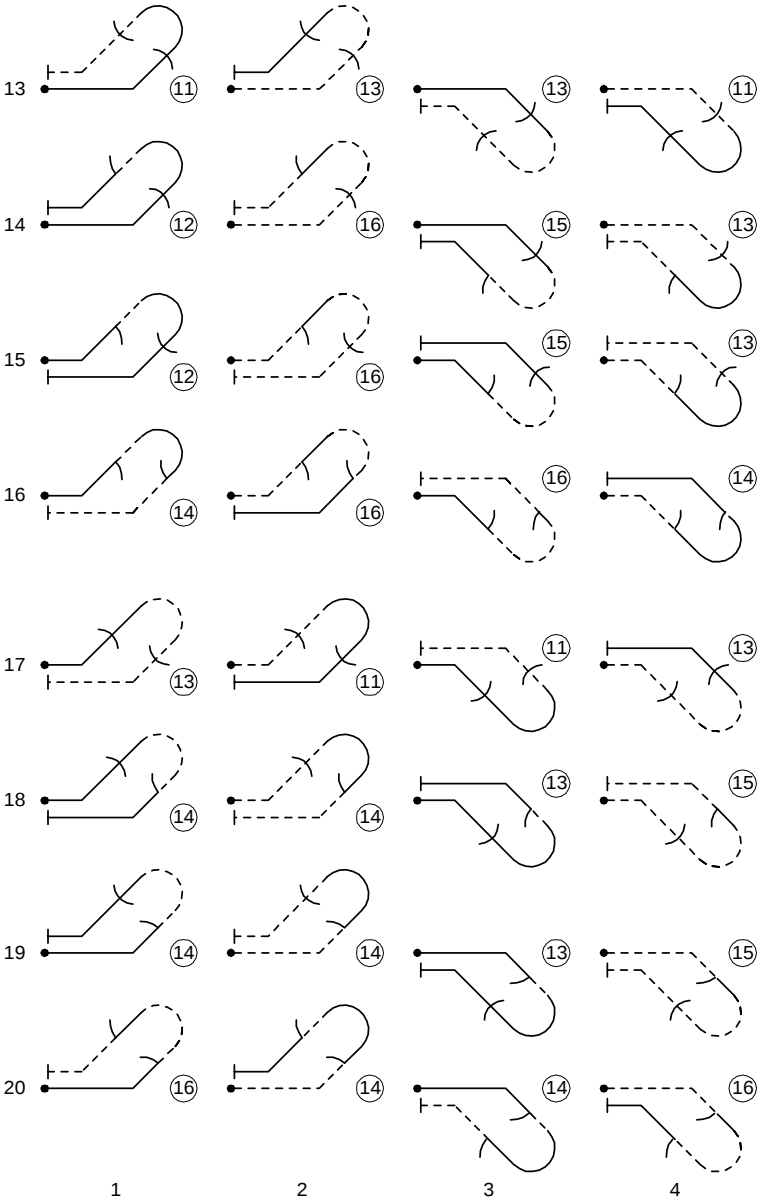
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NOTE: At the sign , only half-rolls permitted.

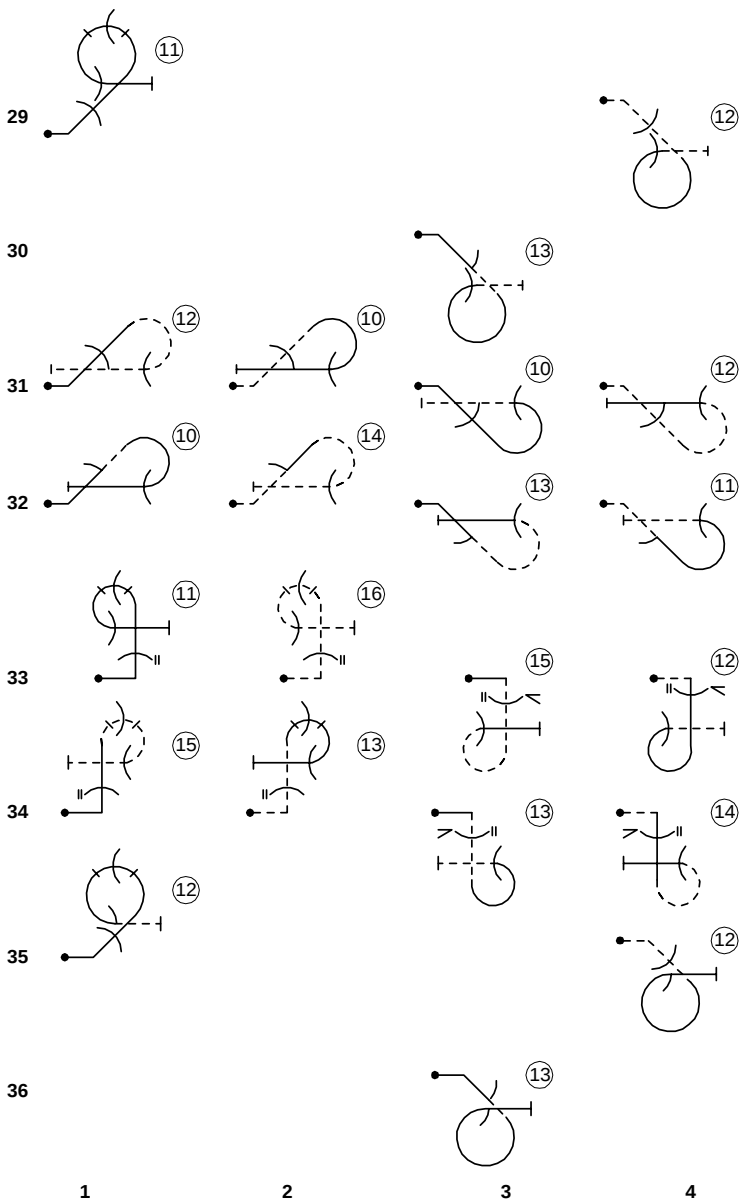
8. COMBINATIONS OF LINES, ANGLES AND LOOPS



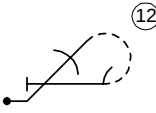
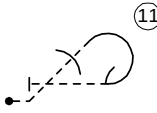
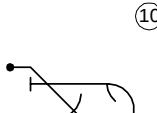
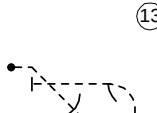
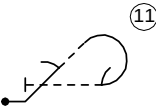
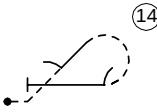
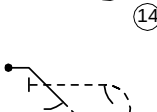
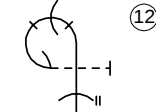
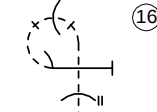
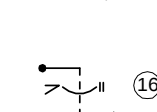
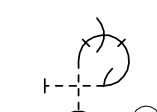
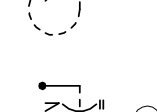
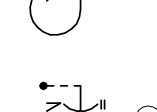
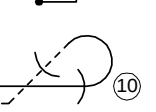
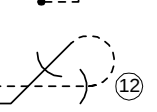
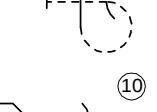
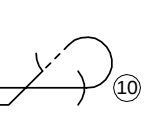
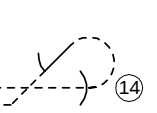
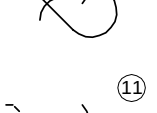
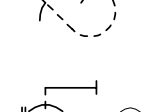
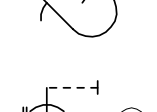
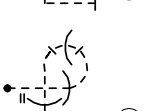
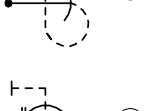
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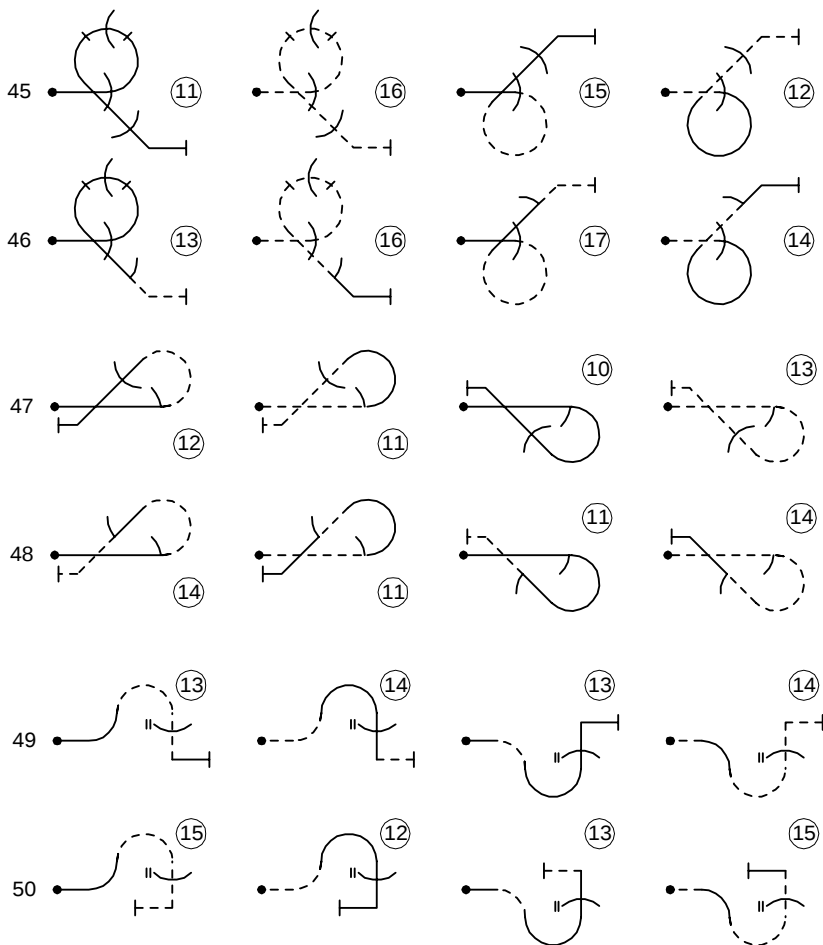
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8.

37				
38				
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	1	2	3	4

8.



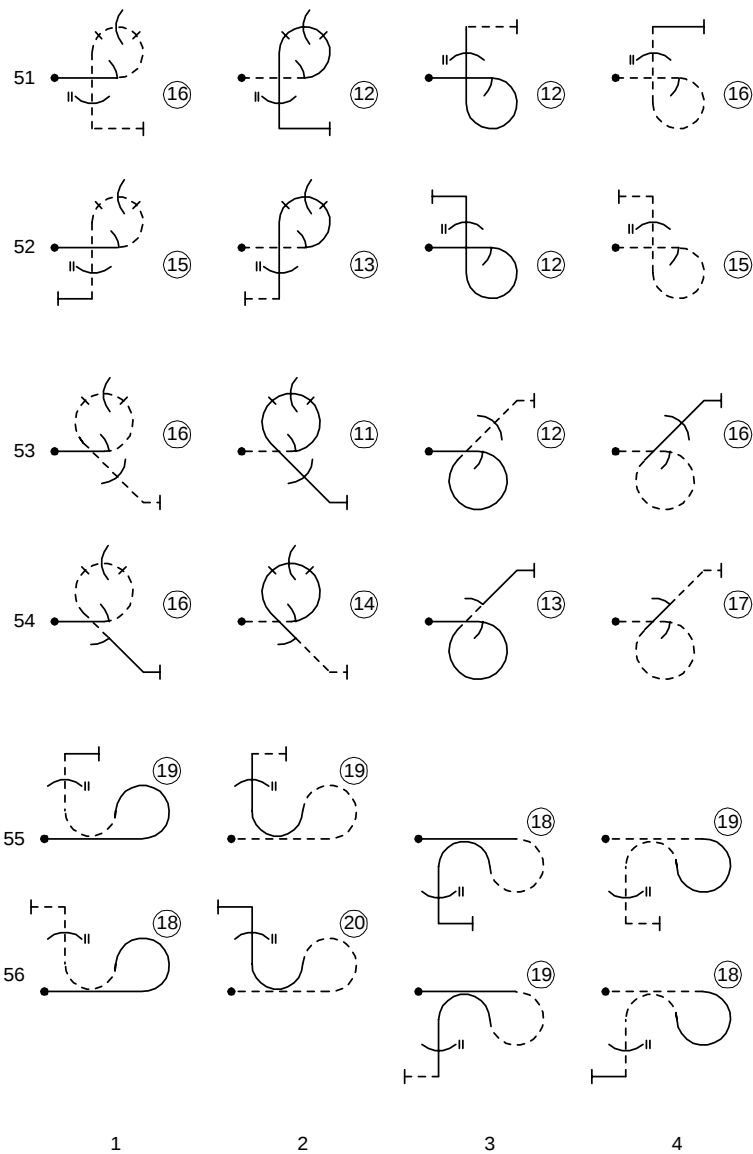
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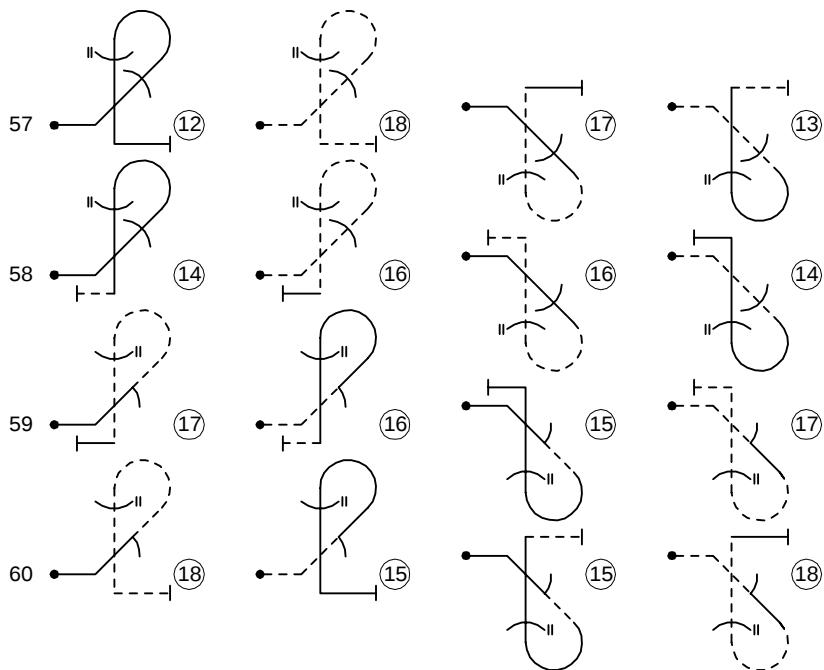
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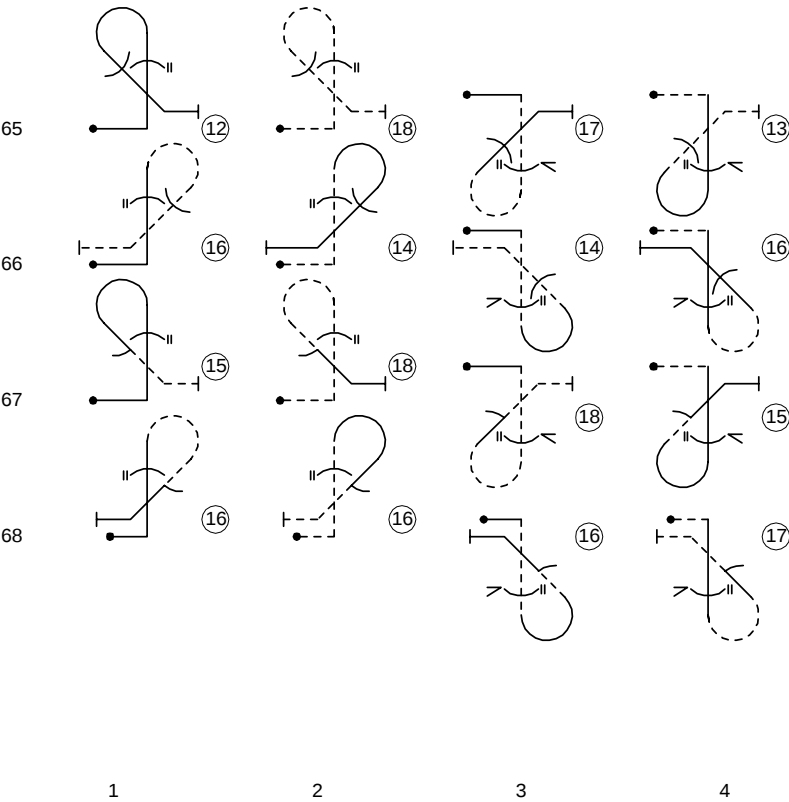
1

2

3

4

8.



9. ROLLS AND SPINS
FAMILY 9.1 (AILERON ROLLS)

9.1		¼	½	¾	1	1¼	1½	1¾	2
1		9	12	15	18				
2		6	9	12	15		18		
3		3	6	9	12	14	15	17	18
4		3	6	9	12		15		
5		3	6	9	12				
		1	2	3	4	5	6	7	8

FAMILY 9.2 (2-POINT AILERON ROLLS)

9.2					1		1½		2
1					20				
2					17				
3					14		18		23
4					14		18		
5					14				
		1	2	3	4	5	6	7	8

FAMILY 9.3 (3-POINT AILERON ROLLS)

9.3					1		1½		2
3					17				28
4					17				
		1	2	3	4	5	6	7	8

FAMILY 9.4 (4-POINT AILERON ROLLS)

9.4			$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
1			14						
2			11						
3			8	12	17	20	23	26	28
4			8	12	17				
5			8	12					
		1	2	3	4	5	6	7	8

9.8 FAMILY 9.8 (8-POINT AILERON ROLLS)

9.8		¼	½	¾	1	1¼	1½	1¾	2
1		11							
2		8	14						
3		5	11	17	23	27	32	36	41
4		5	11						
5		5	11						
		1	2	3	4	5	6	7	8

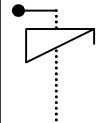
FAMILY 9.9 (POSITIVE FLICK ROLLS)

9.9			$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
1			18	20	22				
2			15	17	19				
3			12	14	16	19	21	24	25
4			12	14	16	19	21	24	25
5			12	14	16	19	21	24	25
6			18	20	22				
7			18	20	22				
8			15	17	19	22	24	27	30
9			15	17	19	22	24	27	30
10			12	14	16	19	21	24	25
		1	2	3	4	5	6	7	8

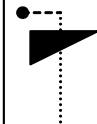
FAMILY 9.10 (NEGATIVE FLICK ROLLS)

9.10			$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
1			21	23	25				
2			18	20	22				
3			15	17	19	22	24	27	30
4			15	17	19	22	24	27	30
5			15	17	19	22	24	27	30
6			21	23	25				
7			21	23	25				
8			18	20	22	25	28	31	34
9			18	20	22	25	28	31	34
10			15	17	19	22	24	27	30
		1	2	3	4	5	6	7	8

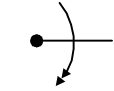
FAMILY 9.11 (POSITIVE SPINS)

									
					1	1¼	1½	1¾	2
1		Upright Entry Line			5	6	7	8	8
					4	5	6	7	8

FAMILY 9.12 (NEGATIVE SPINS)

									
				1	1¼	1½	1¾	2	
1		Inverted Entry Line			7	8	9	10	10
				4	5	6	7	8	

FAMILY 9.13 (SUPER SLOW AILERON ROLLS)

9.13			½		1		1½		2
3			8		16		20		
		1	2	3	4	5	6	7	8