APPENDICES to "A classification of spherical curves ..."
Appendix concerning Table 6: realizations of non-leader diagrams

n	Number of orbits provided by a non-leader diagram in the family **A**						
< 5	1	2	2	3	4	6	6
5	4	12	7	10	12	10	
6	8	20	20	24	14	32	
	20	16	10	24	32	20	
7	9	40	36	24	40	40	64
	36	64	40	36	36	36	40
	48	64	64	64	24	36	48
	36	40	48	64	36	36	

n	Number of orbits provided by a non-leader diagram in the family **B**							
< 6	2	3	3	3	3	4		
6	6	8	8	6	6	8	4	
	6	8	8	8	8	8		
7	10	16	16	12	10	10	7	16
	16	16	10	16	10	10	12	7
	12	16	16	16	12	16	16	16
	16	16	16	12	16	16	16	16
	12	16	16	12	12	10	10	10
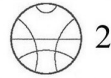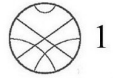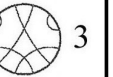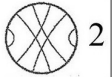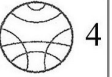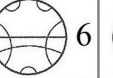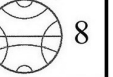
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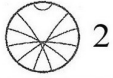
Second part of the Appendix concerning Table 6
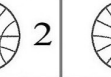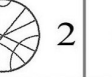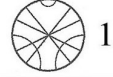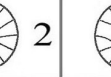
7	10	12	16	16	16	16	16	16
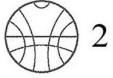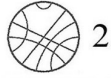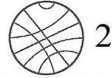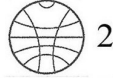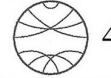
n	Number of orbits provided by a non-leader diagram in the family **C**						
< 7	2	1		3	3	4	3	3
	4	3	2	4	2		6	4
7	8	8	8	8	8	8	6	4
	6	4	8	8	8	8	6	4
	6	4	6	8	8	8	8	8
	4	8	8	8	8	4	8	4

Number of orbits provided by a non-leader diagram in the family **D**						
2	3	3	3	3	3	4

Number of orbits provided by a non-leader diagram in the family **E**						
2	2	2	3	4	4	3	4
4	3	4	4	3	4	4	3
4	4	3	3	3	4	4	4

Number of orbits provided by a non-leader diagram in the family **F**						
2	2	2	2	2	2	2

Number of orbits provided by a non-leader diagram in the family **G**						
1	2	2	2	2	2	1

Number of … in the family **H**				Number of … in the family **J**			
2	2	2	2	3	4	4	4

Appendix concerning Table 8
Contribution of each Gauss diagram of order 5

5-tuple and 4-tuple for each diagram of order 5 in family A

	(0, 4, 0, 0, 0) (4, 4, 4, 8)		(0, 8, 0, 0, 4) (12, 16, 16, 32)		(2, 1, 1, 1, 2) (7, 10, 10, 16)
	(0, 4, 0, 0, 6) (10, 16, 16, 32)		(0, 8, 0, 0, 4) (12, 16, 16, 32)		(4, 6, 0, 0, 0) (10, 10, 10, 16)

5-tuple and 4-tuple for each diagram of order 5 in family B

	(0, 2, 0, 0, 1) (3, 4, 4, 8)		(0, 0, 2, 0, 1) (3, 4, 6, 8)		(0, 2, 0, 0, 1) (3, 4, 4, 8)
	(2, 1, 0, 0, 0) (3, 3, 3, 4)		(0, 4, 0, 0, 0) (4, 4, 4, 8)		

5-tuple and 4-tuple for each diagram of order 5 in family C

	(0, 2, 0, 0, 0) (2, 2, 2, 4)		(0, 0, 0, 0, 1) (1, 2, 2, 4)		

As there is only one diagram of order 5 in the family **D** (resp. **E**), namely the father-diagram, the row **D** (resp. **E**) of Table 8 gives the nine numbers appearing in its related 5-tuple and 4-tuple.

Appendix concerning Table 9
Contribution of each Gauss diagram of order 6

5-tuple and 4-tuple for each diagram of order 6 in family A

	(2, 5, 1, 0, 0) (8, 8, 9, 14)		(0, 8, 0, 0, 12) (20, 32, 32, 64)		(0, 8, 0, 0, 12) (20, 32, 32, 64)
	(0, 16, 0, 0, 8) (24, 32, 32, 64)		(2, 5, 1, 1, 5) (14, 20, 20, 36)		(0, 0, 0, 0, 32) (32, 64, 64, 128)
	(0, 4, 4, 0, 12) (20, 32, 36, 64)		(0, 12, 0, 2, 2) (16, 20, 18, 36)		(0, 8, 0, 0, 2) (10, 12, 12, 24)
	(0, 16, 0, 0, 8) (24, 32, 32, 64)		(0, 0, 0, 0, 32) (32, 64, 64, 128)		(4, 16, 0, 0, 0) (20, 20,20, 36)

3

Second part of the Appendix concerning Table 9

5-tuple and 4-tuple for each diagram of order 6 in family **B**

	(0, 4, 0, 0, 2) (6, 8, 8, 16)		(0, 0, 0, 0, 8) (8, 16, 16, 32)		(0, 0, 0, 0, 8) (8, 16, 16, 32)
	(0, 4, 0, 0, 2) (6, 8, 8, 16)		(0, 4, 0, 0, 2) (6, 8, 8, 16)		(0, 0, 0, 0, 8) (8, 16, 16, 32)
	(0, 4, 0, 0, 0) (4, 4, 4, 8)		(0, 4, 0, 0, 2) (6, 8, 8, 16)		(0, 0, 0, 0, 8) (8, 16, 16, 32)
	(0, 0, 0, 0, 8) (8, 16, 16, 32)		(0, 0, 0, 0, 8) (8, 16, 16, 32)		(0, 8, 0, 0, 0) (8, 8, 8, 16)
	(0, 8, 0, 0, 0) (8, 8, 8, 16)				

5-tuple and 4-tuple for each diagram of order 6 in family **C**

	(0, 2, 0, 0, 1) (3, 4, 4, 8)		(0, 0, 2, 0, 1) (3, 4, 6, 8)		(0, 0, 0, 0, 4) (4, 8, 8, 16)
	(0, 2, 0, 0, 1) (3, 4, 4, 8)		(0, 0, 2, 0, 1) (3, 4, 6, 8)		(0, 0, 0, 0, 4) (4, 8, 8, 16)
	(0, 3, 0, 0, 0) (3, 3, 3, 6)		(0, 0, 1, 0, 1) (2, 3, 4, 6)		(0, 4, 0, 0, 0) (4, 4, 4, 8)
	(0, 0, 0, 0, 2) (2, 4, 4, 8)				

5-tuple and 4-tuple for each diagram of order 6 in family **D**

	(0, 2, 0, 0, 0) (2, 2, 2, 4)				

5-tuple and 4-tuple for each diagram of order 6 in family **E**

	(0, 2, 0, 0, 0) (2, 2, 2, 4)		(0, 0, 0, 0, 2) (2, 4, 4, 8)		(0, 0, 0, 0, 2) (2, 4, 4, 8)

Each of the rows **F**, **G**, **H** and **J** of Table 9 gives the nine numbers appearing in the 5-tuple and the 4-tuple related to the leader-diagram of the considered family.

Appendix concerning Table 10
Contribution of each Gauss diagram of order 7

### 5-tuple and 4-tuple for each diagram of order 7 in family **A**

(0, 8, 0, 0, 1) (9, 10, 10, 20)	(0, 16, 0, 0, 24) (40, 64, 64, 128)	(0, 8, 0, 0, 28) (36, 64, 64, 128)
(4, 6, 2, 2, 10) (24, 36, 36, 64)	(0, 16, 0, 0, 24) (40, 64, 64, 128)	(0, 16, 0, 0, 24) (40, 64, 64, 128)
(0, 0, 0, 0, 64) (64, 128, 128, 256)	(0, 8, 0, 0, 28) (36, 64, 64, 128)	(0, 0, 0, 0, 64) (64, 128, 128, 256)
(0, 16, 0, 0, 24) (40, 64, 64, 128)	(0, 8, 0, 0, 28) (36, 64, 64, 128)	(0, 8, 0, 0, 28) (36, 64, 64, 128)
(0, 8, 0, 0, 28) (36, 64, 64, 128)	(0, 16, 0, 0, 24) (40, 64, 64, 128)	(0, 32, 0, 0, 16) (48, 64, 64, 128)
(0, 0, 0, 0, 64) (64, 128, 128, 256)	(0, 0, 0, 0, 64) (64, 128, 128, 256)	(0, 0, 0, 0, 64) (64, 128, 128, 256)
(4, 6, 2, 2, 10) (24, 36, 36, 64)	(0, 0, 8, 0, 28) (36, 64, 72, 128)	(0, 32, 0, 0, 16) (48, 64, 64, 128)
(0, 0, 0, 8, 28) (36, 72, 64, 128)	(0, 16, 0, 0, 24) (40, 64, 64, 128)	(0, 32, 0, 0, 16) (48, 64, 64, 128)
(0, 0, 0, 0, 64) (64, 128, 128, 256)	(0, 8, 0, 0, 28) (36, 64, 64, 128)	(8, 28, 0, 0, 0) (36, 36, 36, 64)

5-tuple and 4-tuple for each diagram of order 7 in family **B**

|		
(0, 4, 0, 0, 6) (10, 16, 16, 32)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)
(0, 8, 0, 0, 4) (12, 16, 16, 32)	(0, 0, 4, 0, 6) (10, 16, 20, 32)	(0, 4, 0, 0, 6) (10, 16, 16, 32)
(2, 1, 1, 1, 2) (7, 10, 10, 16)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)
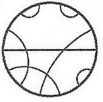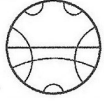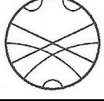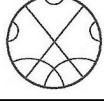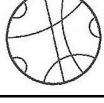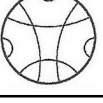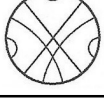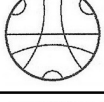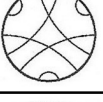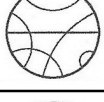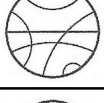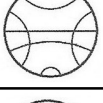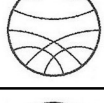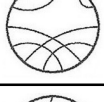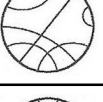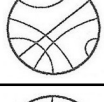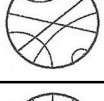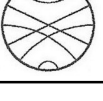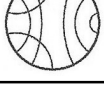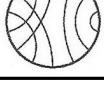
Continuation of the part "5-tuple and 4-tuple for each diagram of order 7 in family **B**"

|		
(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 4, 0, 0, 6) (10, 16, 16, 32)	(0, 0, 0, 0, 16) (16, 32, 32, 64)
(0, 4, 0, 0, 6) (10, 16, 16, 32)	(0, 0, 4, 0, 6) (10, 16, 20, 32)	(0, 8, 0, 0, 4) (12, 16, 16, 32)
(2, 1, 1, 1, 2) (7, 10, 10, 16)	(0, 8, 0, 0, 4) (12, 16, 16, 32)	(0, 0, 0, 0, 16) (16, 32, 32, 64)
(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 8, 0, 0, 4) (12, 16, 16, 32)
(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)
(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)
(0, 8, 0, 0, 4) (12, 16, 16, 32)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)
(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 8, 0, 0, 4) (12, 16, 16, 32)
(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 8, 0, 0, 4) (12, 16, 16, 32)
(0, 8, 0, 0, 4) (12, 16, 16, 32)	(0, 4, 0, 0, 6) (10, 16, 16, 32)	(0, 4, 0, 0, 6) (10, 16, 16, 32)
(4, 6, 0, 0, 0) (10, 10, 10, 16)	(0, 0, 4, 0, 6) (10, 16, 20, 32)	(0, 8, 0, 0, 4) (12, 16, 16, 32)
(0, 16, 0, 0, 0) (16, 16, 16, 32)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)
(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 0, 0, 0, 16) (16, 32, 32, 64)	(0, 16, 0, 0, 0) (16, 16, 16, 32)

To be continued

6

5-tuple and 4-tuple for each diagram of order 7 in family **C**

(0, 4, 0, 0, 2) (6, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 0, 0, 0, 8) (8, 16, 16, 32)
(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 8) (8, 16, 16, 32)
(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 4, 0, 0, 2) (6, 8, 8, 16)
(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 4, 0, 0, 2) (6, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)
(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 8) (8, 16, 16, 32)
(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 4, 0, 0, 2) (6, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)
(0, 4, 0, 0, 2) (6, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 4, 0, 0, 2) (6, 8, 8, 16)
(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 8) (8, 16, 16, 32)
(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 8, 0, 0, 0) (8, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)
(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 8) (8, 16, 16, 32)
(0, 0, 0, 0, 8) (8, 16, 16, 32)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 8, 0, 0, 0) (8, 8, 8, 16)
(0, 0, 0, 0, 4) (4, 8, 8, 16)		

5-tuple and 4-tuple for each diagram of order 7 in family **D**

(0, 2, 0, 0, 1) (3, 4, 4, 8)	(0, 0, 2, 0, 1) (3, 4, 6, 8)	(0, 2, 0, 0, 1) (3, 4, 4, 8)
(0, 0, 2, 0, 1) (3, 4, 6, 8)	(0, 2, 0, 0, 1) (3, 4, 4, 8)	(2, 1, 0, 0, 0) (3, 3, 3, 4)
(0, 4, 0, 0, 0) (4, 4, 4, 8)		

5-tuple and 4-tuple for each diagram of order 7 in family **E**

|		
(0, 2, 0, 0, 1) (3, 4, 4, 8)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)
(0, 0, 2, 0, 1) (3, 4, 6, 8)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)
(0, 2, 0, 0, 1) (3, 4, 4, 8)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)
(0, 0, 2, 0, 1) (3, 4, 6, 8)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)
(0, 2, 0, 0, 1) (3, 4, 4, 8)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)
(2, 1, 0, 0, 0) (3, 3, 3, 4)	(0, 0, 0, 2, 1) (3, 6, 4, 8)	(0, 0, 0, 2, 1) (3, 6, 4, 8)
(0, 4, 0, 0, 0) (4, 4, 4, 8)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)

To be continued

8

5-tuple and 4-tuple for each diagram of order 7 in family **F**

(0, 2, 0, 0, 0) (2, 2, 2, 4)	(0, 0, 0, 0, 2) (2, 4, 4, 8)	(0, 0, 0, 0, 2) (2, 4, 4, 8)
(0, 0, 0, 0, 2) (2, 4, 4, 8)	(0, 0, 0, 0, 2) (2, 4, 4, 8)	(0, 0, 0, 0, 2) (2, 4, 4, 8)
(0, 2, 0, 0, 0) (2, 2, 2, 4)		

5-tuple and 4-tuple for each diagram of order 7 in family **G**

|		
(0, 0, 0, 0, 1) (1, 2, 2, 4)	(0, 0, 0, 0, 2) (2, 4, 4, 8)	(0, 0, 0, 0, 2) (2, 4, 4, 8)
(0, 0, 0, 0, 2) (2, 4, 4, 8)	(0, 0, 0, 0, 2) (2, 4, 4, 8)	(0, 0, 0, 0, 2) (2, 4, 4, 8)
(0, 0, 0, 0, 1) (1, 2, 2, 4)		

5-tuple and 4-tuple for each diagram of order 7 in family **H**

|		
(0, 2, 0, 0, 0) (2, 2, 2, 4)	(0, 0, 0, 0, 2) (2, 4, 4, 8)	(0, 0, 0, 0, 2) (2, 4, 4, 8)
(0, 2, 0, 0, 0) (2, 2, 2, 4)		

5-tuple and 4-tuple for each diagram of order 7 in family **J**

(0, 2, 0, 0, 1) (3, 4, 4, 8)	(0, 0, 0, 0, 4) (4, 8, 8, 16)	(0, 0, 0, 0, 4) (4, 8, 8, 16)
(0, 4, 0, 0, 0) (4, 4, 4, 8)		

Each of the rows **K**, **L**, **M**, **N**, **P**, **Q**, **R**, **S**, **T**, **U**, **V**, **W** and **X** of Table 10 gives the nine numbers appearing in the 5-tuple and the 4-tuple related to the leader-diagram of the considered family.