

The appearance of (T, T', n) in the following table means that triangles T and $g(T')$ are perspective with perspector $X(n)$

(ABC, 3rd Brocard, 32)	(intangents, Soddy, 103)	(4th mixtilinear, Gemini 63, 41423)
(ABC, orthocentroidal, 6)	(circum-medial, tangential, 251)	(Thomson, Thomson (and orthic of Thomson), 6)
(ABC, 2nd Parry, 187)	(circum-medial, MacBeath, 25)	(Thomson, medial of Thomson, 1384)
(ABC, centers of the Apollonius circles, 32)	(circum-orthic, MacBeath, 24)	(tangential of Thomson, Thomson (and orthic of Thomson), 41424) (5th Brocard, 3rd Brocard, 32)
(ABC, Gemini 19, 649)	(circum-orthic, tangential of tangential, 41399)	(Lucas-Brocards, orthocentroidal, 8375)
(medial, MacBeath, 4)	(circum-orthic, 9th Brocard, 41400)	(Lucas, -1)-Brocard, orthocentroidal, 8376)
(anticomplementary, Steiner, 99)	(2nd circumperp, excentral, 58)	(orthic of intouch, Soddy, 1)
(tangential, orthic, 1611)	(2nd circumperp, 2nd Sharygin, 8624)	(1st Kenmotu diagonal, orthocentroidal, 6)
(tangential, tangential, 1627)	(2nd circumperp, 2nd Conway (and Wasat), 58)	(2nd Kenmotu diagonal, orthocentroidal, 6)
(tangential, incentral, 1613)	(2nd circumperp, inverse of ABC in excircles, 1191)	(anti-orthocentroidal, anti-orthocentroidal, 110)
(tangential, excentral, 595)	(2nd circumperp, Soddy, 56)	(infinite altitude, 1st Brocard, 98)
(tangential, intouch, 1616)	(circumnormal, circumtangential, 32)	(infinite altitude, 2nd Brocard, 98)
(tangential, extouch, 1615)	(tangential of 1st circumperp, Yff contact, 3939)	(inner tri-equilateral, orthocentroidal, 6)
(tangential, half-altitude, 1498)	(2nd Brocard, orthocentroidal, 6)	(outer tri-equilateral, orthocentroidal, 6)
(tangential, 1st Brocard, 33704)	(3rd Brocard, 3rd Brocard, 32)	(anti-Artzt, orthocentroidal, 99)
(tangential, 2nd Brocard, 33704)	(3rd Brocard, orthocentroidal, 6195)	(anti-Conway, orthocentroidal, 6)
(tangential, 3rd Brocard, 33786)	(Centers of the Apollonius circles, 32)	(medial of orthic, orthocentroidal, 6)
(tangential, MacBeath, 24)	(MacBeath, MacBeath, 25)	(anti-1st Euler, MacBeath, 41425)
(tangential, orthocentroidal, 6)	(Lucas central, orthocentroidal, 6199)	(anti-3rd Euler, Steiner, 110)
(tangential, anti-1st-Brocards, 33704)	(Lucas tangents, orthocentroidal, 6200)	(anti-3rd Euler, anticevian of X(523), 110)
(tangential, Steiner, 110)	(Lucas inner, orthocentroidal, 6221)	(anti-5th Brocard, 3rd Brocard, 32)
(tangential, symmedian, 33786)	(1st Sharygin, orthocentroidal, 8296)	(anti-5th Brocard, reflected 1st Brocard, 182)
(tangential, anticevian of X(523), 110)	(2nd Sharygin, orthocentroidal, 8297)	(anti-5th Brocard, centers of the Apollonius circles, 32)
(tangential, 2nd Conway, 595)	(anti-1st-Brocards, orthocentroidal, 8289)	(anti-5th Brocard, 1st Brocard (and 2nd and anti-1st Brocard), 41429)
(tangential, submedian, 1611)	(symmedian, 1st Brocard (and 2nd Brocard, anti-1st-Brocards, Steiner, and anticevian of X(523)), 9218)	(anti-6th Brocard, Gemini 112, 98)
(tangential, orthic of anticomplementary, 1611)	(symmedian, 2nd Parry, 41404)	(Lucas inner, orthocentroidal, 6221)
(tangential, tangential of anticomplementary, 1627)	(symmedian, Yff contact (and Gemioni 19), 41405)	(Lucas (-1)-inner, orthocentroidal, 6398)
(tangential, orthic of medial, 1611)	(Aries, half altitude, 1498)	(Lucas inner tangential, orthocentroidal, 6433)
(tangential, Yff contact, 101)	(Aries, Gemini 112, 1498)	(Lucas (-1)-inner tangential, orthocentroidal, 6434)
(tangential, inner Conway, 1616)	(inner Grebe, orthocentroidal, 6)	(Lucas (-1) central, orthocentroidal, 6495)
(tangential, 1st Zaniah, 1615)	(outer Grebe, orthocentroidal, 6)	(Lucas reflection, orthocentroidal, 22785)
(tangential, 2nd Zaniah, 1615)	(anticevian of X(523), X-parabola-tangential (at X(12064)), 99)	(Lucas (-1) reflection, orthocentroidal, 6496)
(tangential, Wasat, 595)	(circum-symmedian, Euler, 38920)	(anti-AOA, orthocentroidal, 19379)
(tangential, centyers of the Apollonius circles, 33786)	(circum-symmedian, ABC reflected in X(3), 38920)	(Garcia reflection, Soddy, 104)
(tangential, Gemini 3 (and 5,16,18,26), 1613)	(circum-symmedian, 1st Brocard (and 2nd Brocard), 187)	(anti-inner Grebe, inner Vecten (and 1st half-squares), 372)
(tangential, Gemini 19, 41395)	(circum-symmedian, McCay (and anti-McCay), 2030)	(anti-inner Grebe, orthocentroidal, 6)
(tangential, Gemini 29, 1615)	(circum-symmedian, anti-1st-Brocards, 187)	(anti-Honsberger, 1st (and 2nd and 3rd and anti-1st Brocard, 1691)
(tangential, Gemini 30, 1616)	(circum-symmedian, Artzt (and anti-Artzt, and infinite altitude), 1384)	(anti-Honsberger, orthocentroidal, 6)
(tangential, Gemini 62, 41396)	(circum-symmedian, outer Napoleon (and 1st half-diamonds-central equilateral), 41406)	(anti-Honsberger, centers of the Apollonius circles, 1691)
(tangential, Gemini 112, 1498)	(circum-symmedian, 1st inner Fermat-Dao-Nhi (and 3rd, and 4th), 41406)	(Wasat, Wasat (and excentral and 2nd Conway), 98)
(tangential, Gemini 113, 1611)	(circum-symmedian, 1st outer Fermat-Dao-Nhi (and 2nd), 41406)	(centers of the Apollonius circles, 1st (and 2nd and anti-1st) Brocard, 110)
(tangential, Gemini 114, 41397)	(circum-symmedian, inner Napoleon (and 2nd half-diamonds-central equilateral), 41407)	(centers of the Apollonius circles, 2nd Parry, 111)

(tangential, Lemoine, 41394)	(circum-symmedian, 1st inner Fermat-Dao-Nhi (and 2nd), 41407)	(centers of the Apollonius circles, Gemini 19, 101)
(tangential triangle of 2nd circumperp, excentral, 41401)	(circum-symmedian, 3rd outer Fermat-Dao-Nhi (and 4th), 41407)	(Gemini 3, Soddy, 226)
(tangential triangle of 2nd circumperp, Soddy, 41402)	(circum-symmedian, outer Fermat (and 2nd half-diamonds), 41408)	(Gemini 4, 1st circumperp, 41430)
(incentral, Soddy, 57)	(circum-symmedian, inner Fermat (and 1st half-diamonds), 41409)	(Gemini 5, Soddy, 3911)
(excentral, Yff contact, 100)	(circum-symmedian, inner Vecten (and 2nd half-squares), 41410)	(Gemini 29, Soddy, 100)
(excentral, Gemini 7 (and 15, 17, 25), 165)	(circum-symmedian, outer Vecten (and 1st half-squares), 41411)	(Gemini 44, tangential (and tangential of anticomplementary), 251)
(hexyl, Soddy, 41403)	(circum-symmedian, 1st Neuberg, 41412)	(Gemini 44, MacBeath, 25)
(intouch, Soddy, 56)	(circum-symmedian, 2nd Neuberg, 41413)	(Gemini 107, orthocentroidal, 99)
(ABC reflected in X(3), outer Napoleon, 15)	(circum-symmedian, reflection of ABC in X(5), 41414)	(Gemini 112, MacBeath, 110)
(ABC reflected in X(3), inner Napoleon, 16)	(circum-symmedian, Aquilla (and T(1,2 in TCCT acrticle 6.40), 41415)	(Gemini 114, incenteral, 789)
(ABC reflected in X(3), outer Fermat, 61)	(circum-symmedian, outer García (and anti-Aquila), 41416)	(9th Fermat-Dao, orthocentroidal, 6)
(ABC reflected in X(3), inner Fermat, 62)	(circum-symmedian, tangential of excentral, 41417)	(10th Fermat-Dao, orthocentroidal, 6)
(ABC reflected in X(3), half altitude, 1498)	(circum-symmedian, inverse of ABC in excircles, 41418)	(13th Fermat-Dao, orthocentroidal, 6)
(ABC reflected in X(3), inner Vecten, 372)	(circum-symmedian, 3rd tri-squares central (and anti-outer-Grebe), 41419)	(14th Fermat-Dao, orthocentroidal, 6)
(ABC reflected in X(3), outer Vecten, 371)	(circum-symmedian, Fermat-Dao, 41420)	(Walshmith, orthocentroidal, 6)
(ABC reflected in X(3), 1st Neuberg, 32)	(circum-symmedian, 8th Vijay-Paasche-Hutson, 41421)	(Moses-Steiner reflection, orthocentroidal, 99)
(ABC reflected in X(3), 2nd Neuberg, 39)	(3rd mixtilinear, intouch (and inner Conway, and 2nd Zaniah), 1616)	(Moses-Steiner osculating reflection, orthocentroidal, 99)
(ABC reflected in X(3), MacBeath, 4)	(3rd mixtilinear, Gemini 30, 1616)	(Bevan-antipodal, Soddy, 1420)
(ABC reflected in X(3), McCay (and anti-McCay, and 1st Parry), 187)	(3rd mixtilinear, Gemini 71, 3445)	(8th Brocard, orthocentroidal (and Artzt and infinite altitude and anti-Artzt), 1384)
(ABC reflected in X(3), Artzt (and anti-Artzt, and infinite altitude, 6)	(3rd mixtilinear, Soddy, 1420)	(inner mixtilinear tangents, Soddy, 41426)
(ABC reflected in X(3), reflected 1st Brocard, 182)	(4th mixtilinear, extouch, 1615)	(anti-Hutson intouch, half-altitude (and Gemini 112), 41427)
(ABC reflected in X(3), Gemini 7 (and 15, 17, 25), 40)	(4th mixtilinear, 1st Zaniah, 1615)	(anti-Hutson intouch, Moses-Steiner osculating reflection, 41428)
(ABC reflected in X(3), Soddy, 1)	(4th mixtilinear, Soddy, 57)	
(ABC reflected in X(3), Moses-Steiner osculating reflection, 41398)	(4th mixtilinear, 2nd extouch (and 1st Conway and Ascella), 41422)	

The appearance of (T, T') in the following column means that $g(T)=T'$

The appearance of (T, T') in the following column means that $h(T)=T'$

	[$T, T' = g(T)$]	[$T, T' = h(T)$]
1	[ABC, ABC]	[ABC, circumsymmedian]
2	[1st anti-Brocard, circumcevian(X(512))]	[anti-Aquila, circumcevian(X(2163))]
3	[6th anti-mixtilinear, circumanticevian(X(25))]	[anti-Artzt, ABC-X3 reflections]
4	[anti-Ursa minor, circumanticevian(X(251))]	[5th anti-Brocard, circumcevian(isogonal(X(7811)))]
5	[anticomplementary, ABC]	[2nd anti-circumperp-tangential, circumcevian(isogonal(X(11194)))]
6	[Bevan antipodal, circumanticevian(X(3451))]	[anti-inner-Grebe, circumcevian(isogonal(X(5861)))]
7	[1st Brocard, circumcevian(X(512))]	[anti-outer-Grebe, circumcevian(isogonal(X(5860)))]
8	[2nd Brocard, circumcevian(X(512))]	[anticomplementary, circumsymmedian]
9	[3rd Brocard, circumcevian(X(32))]	[Artzt, ABC-X3 reflections]
10	[4th Brocard, ABC]	[1st Brocard-reflected, circumcevian(X(574))]
11	[circummedial, ABC]	[1st Brocard, circumcevian(X(187))]
12	[inner-Conway, circumanticevian(X(56))]	[4th Brocard, circumsymmedian]
13	[5th Euler, ABC]	[circummedial, circumsymmedian]
14	[excentral, circumanticevian(X(58))]	[5th Euler, circumsymmedian]
15	[extouch, circumanticevian(X(55))]	[7th Fermat-Dao, circumsymmedian]
16	[7th Fermat-Dao, ABC]	[8th Fermat-Dao, circumsymmedian]
17	[8th Fermat-Dao, ABC]	[13th Fermat-Dao, circumcevian(X(13))]
18	[2nd Hatzipolakis, circumanticevian(X(1398))]	[14th Fermat-Dao, circumcevian(X(14))]
19	[incentral, circumanticevian(X(31))]	[4th inner-Fermat-Dao-Nhi, circumcevian(X(15))]
20	[intouch, circumanticevian(X(56))]	[4th outer-Fermat-Dao-Nhi, circumcevian(X(16))]
21	[Lemoine, circumanticevian(X(1383))]	[outer-Garcia, circumcevian(X(2163))]
22	[medial, ABC]	[Gossard, circumcevian(isogonal(X(1651)))]
23	[midheight, circumanticevian(X(3))]	[1st half-diamonds-central, circumcevian(X(15))]
24	[orthic, circumanticevian(X(25))]	[2nd half-diamonds-central, circumcevian(X(16))]
25	[orthocentroidal, circumsymmedian]	[1st half-diamonds, circumcevian(X(10646))]
26	[2nd Parry, circumcevian(X(187))]	[2nd half-diamonds, circumcevian(X(10645))]
27	[3rd Parry, ABC]	[infinite-altitude, ABC-X3 reflections]
28	[Schroeter, circumanticevian(X(110))]	[1st Johnson-Yff, circumcevian(isogonal(X(11236)))]
29	[Soddy, circumanticevian(X(57))]	[2nd Johnson-Yff, circumcevian(isogonal(X(11235)))]
30	[inner-squares, circumanticevian(X(372))]	[1st Kenmotu-free-vertices, circumcevian(X(41483))]
31	[submedial, circumanticevian(X(25))]	[2nd Kenmotu-free-vertices, circumcevian(X(41484))]
32	[symmedian, circumanticevian(X(32))]	[Lucas homothetic, circumcevian(X(41485))]
33	[3rd tri-squares, ABC]	[Lucas(-1) homothetic, circumcevian(X(41486))]
34	[4th tri-squares, ABC]	[Mandart-incircle, circumcevian(isogonal(X(4421)))]
35	[Wasat, circumanticevian(X(58))]	[medial, circumsymmedian]
36	[1st Zaniah, circumanticevian(X(55))]	[5th mixtilinear, circumcevian(isogonal(X(3241)))]
37	[2nd Zaniah, circumanticevian(X(56))]	[inner-Napoleon, circumcevian(X(16))]
38	[GEMINI-001, ABC]	[orthocentroidal, ABC]
39	[GEMINI-002, ABC]	[3rd Parry, circumsymmedian]
40	[GEMINI-003, circumanticevian(X(31))]	[Thomson-orthic, Thomson]
41	[GEMINI-005, circumanticevian(X(31))]	[3rd tri-squares-central, circumcevian(isogonal(X(5860)))]
42	[GEMINI-007, 1st circumperp]	[4th tri-squares-central, circumcevian(isogonal(X(5861)))]
43	[GEMINI-009, ABC]	[3rd tri-squares, circumsymmedian]
44	[GEMINI-010, ABC]	[4th tri-squares, circumsymmedian]
45	[GEMINI-011, ABC]	[outer-Vecten, circumcevian(X(6200))]
46	[GEMINI-012, ABC]	[inner-Yff, circumcevian(X(41487))]
47	[GEMINI-013, ABC]	[outer-Yff, circumcevian(X(41442))]
48	[GEMINI-014, ABC]	[inner-Yff tangents, circumcevian(isogonal(X(11240)))]
49	[GEMINI-015, 1st circumperp]	[GEMINI-001, circumsymmedian]
50	[GEMINI-016, circumanticevian(X(31))]	[GEMINI-002, circumsymmedian]
51	[GEMINI-017, 1st circumperp]	[GEMINI-004, circumcevian(X(2177))]
52	[GEMINI-018, circumanticevian(X(31))]	[GEMINI-009, circumsymmedian]
53	[GEMINI-019, circumcevian(X(649))]	[GEMINI-010, circumsymmedian]
54	[GEMINI-020, ABC]	[GEMINI-011, circumsymmedian]
55	[GEMINI-021, ABC]	[GEMINI-012, circumsymmedian]
56	[GEMINI-022, ABC]	[GEMINI-013, circumsymmedian]
57	[GEMINI-023, ABC]	[GEMINI-014, circumsymmedian]
58	[GEMINI-024, ABC]	[GEMINI-019, circumcevian(X(902))]
59	[GEMINI-025, 1st circumperp]	[GEMINI-020, circumsymmedian]
60	[GEMINI-026, circumanticevian(X(31))]	[GEMINI-021, circumsymmedian]
61	[GEMINI-027, ABC]	[GEMINI-022, circumsymmedian]
62	[GEMINI-028, ABC]	[GEMINI-023, circumsymmedian]
63	[GEMINI-029, circumanticevian(X(55))]	[GEMINI-024, circumsymmedian]
64	[GEMINI-030, circumanticevian(X(56))]	[GEMINI-027, circumsymmedian]

65	[GEMINI-031, ABC]	[GEMINI-028, circumsymmedial]
66	[GEMINI-032, ABC]	[GEMINI-031, circumsymmedial]
67	[GEMINI-033, ABC]	[GEMINI-032, circumsymmedial]
68	[GEMINI-034, ABC]	[GEMINI-033, circumsymmedial]
69	[GEMINI-035, ABC]	[GEMINI-034, circumsymmedial]
70	[GEMINI-036, ABC]	[GEMINI-035, circumsymmedial]
71	[GEMINI-037, ABC]	[GEMINI-036, circumsymmedial]
72	[GEMINI-038, ABC]	[GEMINI-037, circumsymmedial]
73	[GEMINI-039, ABC]	[GEMINI-038, circumsymmedial]
74	[GEMINI-040, ABC]	[GEMINI-039, circumsymmedial]
75	[GEMINI-041, ABC]	[GEMINI-040, circumsymmedial]
76	[GEMINI-042, ABC]	[GEMINI-041, circumsymmedial]
77	[GEMINI-043, ABC]	[GEMINI-042, circumsymmedial]
78	[GEMINI-044, ABC]	[GEMINI-043, circumsymmedial]
79	[GEMINI-045, ABC]	[GEMINI-044, circumsymmedial]
80	[GEMINI-046, ABC]	[GEMINI-045, circumsymmedial]
81	[GEMINI-047, ABC]	[GEMINI-046, circumsymmedial]
82	[GEMINI-048, ABC]	[GEMINI-047, circumsymmedial]
83	[GEMINI-049, ABC]	[GEMINI-048, circumsymmedial]
84	[GEMINI-050, ABC]	[GEMINI-049, circumsymmedial]
85	[GEMINI-051, ABC]	[GEMINI-050, circumsymmedial]
86	[GEMINI-052, ABC]	[GEMINI-051, circumsymmedial]
87	[GEMINI-053, ABC]	[GEMINI-052, circumsymmedial]
88	[GEMINI-054, ABC]	[GEMINI-053, circumsymmedial]
89	[GEMINI-055, ABC]	[GEMINI-054, circumsymmedial]
90	[GEMINI-056, ABC]	[GEMINI-055, circumsymmedial]
91	[GEMINI-057, ABC]	[GEMINI-056, circumsymmedial]
92	[GEMINI-058, ABC]	[GEMINI-057, circumsymmedial]
93	[GEMINI-059, ABC]	[GEMINI-058, circumsymmedial]
94	[GEMINI-060, ABC]	[GEMINI-059, circumsymmedial]
95	[GEMINI-061, ABC]	[GEMINI-060, circumsymmedial]
96	[GEMINI-062, circumanticevian(X(7121))]	[GEMINI-061, circumsymmedial]
97	[GEMINI-064, circumanticevian(X(7121))]	[GEMINI-063, circumcevian(X(31))]
98	[GEMINI-065, ABC]	[GEMINI-065, circumsymmedial]
99	[GEMINI-066, ABC]	[GEMINI-066, circumsymmedial]
100	[GEMINI-067, ABC]	[GEMINI-067, circumsymmedial]
101	[GEMINI-068, ABC]	[GEMINI-068, circumsymmedial]
102	[GEMINI-069, ABC]	[GEMINI-069, circumsymmedial]
103	[GEMINI-070, ABC]	[GEMINI-070, circumsymmedial]
104	[GEMINI-071, circumanticevian(X(40151))]	[GEMINI-072, circumsymmedial]
105	[GEMINI-072, ABC]	[GEMINI-073, circumsymmedial]
106	[GEMINI-073, ABC]	[GEMINI-074, circumsymmedial]
107	[GEMINI-074, ABC]	[GEMINI-075, circumsymmedial]
108	[GEMINI-075, ABC]	[GEMINI-076, circumsymmedial]
109	[GEMINI-076, ABC]	[GEMINI-077, circumsymmedial]
110	[GEMINI-077, ABC]	[GEMINI-078, circumsymmedial]
111	[GEMINI-078, ABC]	[GEMINI-079, circumsymmedial]
112	[GEMINI-079, ABC]	[GEMINI-080, circumsymmedial]
113	[GEMINI-080, ABC]	[GEMINI-081, circumsymmedial]
114	[GEMINI-081, ABC]	[GEMINI-082, circumsymmedial]
115	[GEMINI-082, ABC]	[GEMINI-083, circumsymmedial]
116	[GEMINI-083, ABC]	[GEMINI-084, circumsymmedial]
117	[GEMINI-084, ABC]	[GEMINI-085, circumsymmedial]
118	[GEMINI-085, ABC]	[GEMINI-086, circumsymmedial]
119	[GEMINI-086, ABC]	[GEMINI-087, circumsymmedial]
120	[GEMINI-087, ABC]	[GEMINI-088, circumsymmedial]
121	[GEMINI-088, ABC]	[GEMINI-089, circumsymmedial]
122	[GEMINI-089, ABC]	[GEMINI-090, circumsymmedial]
123	[GEMINI-090, ABC]	[GEMINI-091, circumsymmedial]
124	[GEMINI-091, ABC]	[GEMINI-092, circumsymmedial]
125	[GEMINI-092, ABC]	[GEMINI-093, circumsymmedial]
126	[GEMINI-093, ABC]	[GEMINI-094, circumsymmedial]
127	[GEMINI-094, ABC]	[GEMINI-095, circumsymmedial]
128	[GEMINI-095, ABC]	[GEMINI-096, circumsymmedial]
129	[GEMINI-096, ABC]	[GEMINI-097, circumsymmedial]
130	[GEMINI-097, ABC]	[GEMINI-098, circumsymmedial]
131	[GEMINI-098, ABC]	[GEMINI-099, circumsymmedial]
132	[GEMINI-099, ABC]	[GEMINI-100, circumsymmedial]
133	[GEMINI-100, ABC]	[GEMINI-101, circumsymmedial]
134	[GEMINI-101, ABC]	[GEMINI-102, circumsymmedial]
135	[GEMINI-102, ABC]	[GEMINI-103, circumsymmedial]

136	[GEMINI-103, ABC]		[GEMINI-104, circumsymmedial]
137	[GEMINI-104, ABC]		[GEMINI-105, circumsymmedial]
138	[GEMINI-105, ABC]		[GEMINI-106, circumsymmedial]
139	[GEMINI-106, ABC]		[GEMINI-107, circumsymmedial]
140	[GEMINI-107, ABC]		[GEMINI-108, circumsymmedial]
141	[GEMINI-108, ABC]		[GEMINI-109, circumsymmedial]
142	[GEMINI-109, ABC]		[GEMINI-110, circumsymmedial]
143	[GEMINI-110, ABC]		[GEMINI-111, circumsymmedial]
144	[GEMINI-111, ABC]		

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