Summary of impossibility proofs - Multimagic series, orders 16 to 65

Ex : (2P) means proof modulo 2 penta

If (..)(..), proofs may be used separately,
ex : (2H)(3H)
If (..+..), proofs must be used simultaneously,
ex : (2Tb+2P)

If blue background = known existing series

If white background = unknown status

If pink background, impossible orders 4k+2
(trimagic series are impossible)

*If italics =only a part of series is eliminated,
not all of them*

If SPE = specific impossibility proof
(for Hexa 16, 33, 63, 65)

**If bold = new impossibility proof, which was
not yet known
(Penta 31
& Hexa 43, 44, 47, 48, 49, 52, 60, 63, 65)**

	Tetra	Penta	Hexa
16			(5H+SPE)
17	(2Ta+2Tb)	(2Ta+2P)	(3H)
18	x	x	x
19		(2P)	(2H)(3H)(7H)
20			(2H)(7H)
21			(2H)(3H)
22	x	x	x
23		(2P)	(2H)(7H)
24			(3H)
25	*(2Ta)*	(2Ta+2P)	(2H)
26	x	x	x
27			
28			(2H)(3H)
29			(2H)
30	x	x	x
31	*(2Tb)*	**(2Tb+2P)**	(2H)(3H)(7H)
32			(3H)
33	*(2Tb)*	*(2P)*	(2Tb+2P+SPE)
34	x	x	x
35			(3H)
36			(2H)
37			(2H)(3H)
38	x	x	x
39		*(2P)*	(3H)
40			
41		*(2P)*	
42	x	x	x
43			**(3H)**
44			**(2H)**
45			
46	x	x	x
47	*(2Tb)*	*(2P)*	**(2H)(3H)**
48			**(3H)**
49	*(2Ta+2Tb)*	*(2P)*	**(2Ta.b+2P+2H)**
50	x	x	x
51			
52			**(2H)**
53			
54	x	x	x
55		*(2P)*	
56			
57	*(2Ta)*	*(2P)*	
58	x	x	x
59			
60			**(2H)**
61			
62	x	x	x
63	*(2Tb)*	*(2P)*	**(2H+SPE)**
64			
65	*(2Tb)*	*(2P)*	**(2H+SPE)**