

blue; by doubling; red: by adding; underline: unique solution; overbar: not unique

	sporadic	2^{k+1}											differences Δ	notes
$k = -1$		<u>1</u>	2	3	4	5	6	$\rightarrow \infty$					2	symmetric
$k = 0$		<u>2</u>	4	6	8	10	12	$\rightarrow \infty$					2	antisymmetric
$k = 1$		<u>4</u>	8	12	16	20	24	$\rightarrow \infty$					4	symmetric
$k = 2$		<u>8</u>	<u>12</u>	16	20	24	28	$\rightarrow \infty$					4	antisymmetric
$k = 3$		<u>16</u>	<u>24</u>	32	40	48	56	$\rightarrow \infty$					8	symmetric
$k = 4$		<u>32</u>	<u>40</u>	48	<u>56</u>	64	72	80	88	96	104	$\rightarrow \infty$	8	antisymmetric
$k = 5$	<u>48</u>	<u>64</u>	<u>72</u>	<u>80</u>	88	96	104	112	120	128	136	$\rightarrow \infty$	8	symmetric
$k = 6$	<u>96</u>	<u>128</u>	<u>144</u>	<u>160</u>	<u>176</u>	<u>192</u>	<u>200</u>	208	216	224	232	$\rightarrow \infty$	8	no for 104,112,120 ,136, 152, 168, 184
$k = 7$	<u>144</u> <u>192</u> 208 224 240	<u>256</u>	272	288	304	320	336	256 + 16 j	$\rightarrow \infty$				16	symmetric; no for 160 (SG) and 176 (SG/DB)
$k = 8$	192 is first possibility; 288	<u>512</u>	<u>544</u>										16 conjectured	antisymmetric conjectured; 256 fails

k=5: A323610, k=6: A323629, k=7: A323614.