

Table179_RunningSums-EDMT+

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EVENS		ALL Running Sums (Σ) ACROSS (→) the Rows.															
		EVENS÷4															
1	1	3	7	15	31	63	127	255	511	1023	2047	4095	8191	16383	32767	65535	131071
2	2	6	14	30	62	126	254	512	1024	2048	4096	8192	16384	32768	65536	131072	262144
4	4	12	28	60	124	252	508	1024	2048	4096	8192	16384	32768	65536	131072	262144	524288
8	8	24	56	120	248	504	1016	2048	4096	8192	16384	32768	65536	131072	262144	524288	1048576
16	16	48	112	240	496	1008	2032	4096	8192	16384	32768	65536	131072	262144	524288	1048576	2097152
32	32	96	224	480	992	2016	4064	8192	16384	32768	65536	131072	262144	524288	1048576	2097152	4194304
64	64	192	448	960	1984	4032	8128	16384	32768	65536	131072	262144	524288	1048576	2097152	4194304	8388608
128	128	384	896	1920	3968	8064	16256	32768	65536	131072	262144	524288	1048576	2097152	4194304	8388608	16777216
256	256	768	1792	3840	7936	16128	32512	65280	130816	262144	524288	1048576	2097152	4194304	8388608	16777216	33554432
512	512	1536	3584	7680	15872	32256	65024	130560	261632	523776	1048576	2097152	4194304	8388608	16777216	33554432	67108864
1024	1024	3072	7168	15360	31744	64512	130048	261120	523264	1047552	2096128	4194304	8388608	16777216	33554432	67108864	134217728
2048	2048	6144	14336	30720	63488	129024	260096	522240	1046528	2095104	4192256	8386560	16777216	33554432	67108864	134217728	268435456
4096	4096	12288	28672	61440	126976	258048	520192	1044480	2093056	4190208	8384512	16773120	33550336	67108864	134217728	268435456	536870912
8192	8192	24576	57344	122880	253952	516096	1040384	2088960	4186112	8380416	16769024	33546240	67100672	134209536	268435456	536870912	1073741824
16384	16384	49152	114688	245760	507904	1032192	2080768	4177920	8372224	16760832	335418528	67092480	134201344	268419072	536854528	1073741824	2147450880
32768	32768	98304	229376	491520	1015808	2064384	4161536	8355840	16744448	33521664	6707837056	134184960	268402688	536838144	1073709056	2147450880	4294967296
65536	65536	196608	458752	983040	2031616	4128768	8323072	16711680	33488896	67043328	1475674112	268369920	536805376	1073676288	2147418112	4294901760	8589869056

Perfect Numbers (PN=xz) candidates are the Running Sums (Σ) of that Row are formed in TWO ALTERNATING ROWS, inter-connected by the Complement Rectangle (CR=xy).

Table179_RunningSums-EDMT+ Perfect Numbers (PN=xz) in BOLD (WHITE).
 Header Row=Mp=z=2^p-1 in the WHITE Σs. Header Column=x=2^p in either WHITE or BLACK.
 Border Key: BLACK=Mersenne Prime-Perfect Numbers, and GRAY="containers" — both in SET/STRAND 1. YELLOW="containers" in SET/STRAND 2. In both SETS/STRANDS 1 & 2, the cell value directly below any given BLACK, GRAY or YELLOW PD cell value equals the Complement Rectangle (CR) — xy — of the "container that is next in that Row. This CR value is 2x the starting cell value, e.i. PN 28 has 56 directly below and 56=xy=CR of the adjacent "container" value 120. The CR is shown with a matching CIRCLE/OVAL border to the PD cell that it belongs to. The cell previous to 28 has the value of 12 and 12 is the CR of PN28, and when divided by 2 equals PN6. This is a natural connection — even entanglement, if you will — between any given "container" and those before and after. SET/STRAND 1 "containers" also hold the TRUE Mp-PN pairings.
 SET/STRAND 1: p=ODD "net"p=EVEN=x x÷4 y÷3 z NOT÷3 xz NOT÷3 and the Differences between PNs — and other candidates — are ÷24.
 SET/STRAND 2 "containers": p=EVEN "net"p=ODD=x x÷4 y NOT÷3 z÷3 xz÷3 and the Differences between PN "container" candidates are ÷24.
 SET/STRAND 1 is every other PD and SET/STRAND 2 is every other PD in between. SET/STRAND 1 and SET/STRAND 2 Differences ÷24 are specific and exclusive to each set — they can not be mixed. SETS/STRANDS 1 & 2 act like two similar — yet dissimilar — strands spiraling around each other like a doublehelix, connected by the CR of one being double the PN of the one previous — both in terms of their Running Sums (Σ).
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