

Table179_RunningSums-EDMT+

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EVENS		ALL Running Sums (Σ) ACROSS (\rightarrow) the Rows.																																			
		EVENS $\div 4$																																			
1	1	3	2	7	4	15	8	31	16	63	32	127	64	255	128	511	256	1023	512	2047	1024	4095	2048	8191	4096	16383	8192	16384	32767	65535	32768	65536	131071	65536			
2	2	6	4	14	8	30	16	62	32	126	64	254	128	256	512	1024	2048	4096	8192	16384	32768	65536	131072	262144	524288	1048576	2097152	4194304	8388608	16777216	33554432	67108864	134217728	268435456	536870912	1073741824	2147483648
4	4	12	8	28	16	60	32	124	64	252	128	256	512	1024	2048	4096	8192	16384	32768	65536	131072	262144	524288	1048576	2097152	4194304	8388608	16777216	33554432	67108864	134217728	268435456	536870912	1073741824	2147483648	4294967296	
8	8	24	16	56	32	120	64	248	128	256	512	1024	2048	4096	8192	16384	32768	65536	131072	262144	524288	1048576	2097152	4194304	8388608	16777216	33554432	67108864	134217728	268435456	536870912	1073741824	2147483648	4294967296	8589934592		
16	16	48	32	112	64	240	128	496	256	1008	512	2032	1024	4096	8192	16384	32768	65536	131072	262144	524288	1048576	2097152	4194304	8388608	16777216	33554432	67108864	134217728	268435456	536870912	1073741824	2147483648	4294967296	8589934592		
32	32	96	64	224	128	480	256	992	512	2016	1024	4064	2048	8192	16384	32768	65536	131072	262144	524288	1048576	2097152	4194304	8388608	16777216	33554432	67108864	134217728	268435456	536870912	1073741824	2147483648	4294967296	8589934592			
64	64	192	128	448	256	960	512	1984	1024	4032	2048	8128	4096	8192	16384	32768	65536	131072	262144	524288	1048576	2097152	4194304	8388608	16777216	33554432	67108864	134217728	268435456	536870912	1073741824	2147483648	4294967296	8589934592			
128	128	384	256	896	512	1920	1024	3968	2048	8064	16256	8192	16384	32768	65536	131072	262144	524288	1048576	2097152	4194304	8388608	16777216	33554432	67108864	134217728	268435456	536870912	1073741824	2147483648	4294967296	8589934592					
256	256	768	512	1792	2048	3840	4096	7936	8192	16128	32512	65280	130816	261632	523264	1046528	2093056	4186112	8372224	16744448	33488896	66977792	133955584	267911168	535822336	1071644672	2143289344	4286578688	8573157376	17146314752	34292629504	68585259008	137170518016	274341036032	548682072064		
512	512	1536	1024	3584	4096	7680	8192	15872	16384	32256	65024	130560	261632	523264	1046528	2093056	4186112	8372224	16744448	33488896	66977792	133955584	267911168	535822336	1071644672	2143289344	4286578688	8573157376	17146314752	34292629504	68585259008	137170518016	274341036032	548682072064			
1024	1024	3072	2048	7168	8192	15360	16384	31744	32768	64512	130048	261120	523264	1046528	2093056	4186112	8372224	16744448	33488896	66977792	133955584	267911168	535822336	1071644672	2143289344	4286578688	8573157376	17146314752	34292629504	68585259008	137170518016	274341036032	548682072064				
2048	2048	6144	4096	14336	16384	30720	32768	63488	65536	129024	260096	522240	1046528	2093056	4192256	8386560	16773120	33550336	67100672	134209536	268419072	536854528	1073709056	2147450880	4294901760	8589803520	17179607040	34359214080	68718428160	137436856320	274873712640	549747425280	1099494850560	2198989701120			
4096	4096	12288	16384	28672	32768	61440	65536	126976	131072	258048	520192	1044480	2093056	4190208	8384512	16773120	33550336	67100672	134209536	268419072	536854528	1073709056	2147450880	4294901760	8589803520	17179607040	34359214080	68718428160	137436856320	274873712640	549747425280	1099494850560	2198989701120				
8192	8192	24576	16384	57344	65536	122880	131072	253952	262144	516096	1040384	2088960	4186112	8380416	16769024	33546240	67100672	134209536	268419072	536854528	1073709056	2147450880	4294901760	8589803520	17179607040	34359214080	68718428160	137436856320	274873712640	549747425280	1099494850560	2198989701120					
16384	16384	49152	32768	114688	131072	245760	262144	507904	524288	1032192	2080768	4177920	8372224	16760832	33544320	67092480	134201344	268419072	536854528	1073709056	2147450880	4294901760	8589803520	17179607040	34359214080	68718428160	137436856320	274873712640	549747425280	1099494850560	2198989701120						
32768	32768	98304	65536	229376	262144	491520	524288	1015808	1048576	2064384	4161536	8355840	16744448	33521664	6737837056	134184960	268402688	536838144	1073709056	2147450880	4294901760	8589803520	17179607040	34359214080	68718428160	137436856320	274873712640	549747425280	1099494850560	2198989701120							
65536	65536	196608	131072	458752	262144	983040	524288	1048576	2097152	4194304	8388608	16777216	33554432	67108864	134217728	268435456	536870912	1073741824	2147483648	4294967296	8589934592	17179607040	34359214080	68718428160	137436856320	274873712640	549747425280	1099494850560	2198989701120								

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), SET/STRAND 1 in PURPLE, SET/STRAND 2 in GREEN-BLUE-GREEN.

Header Row=Mp=z=2^p-1 in the WHITE Σ s. Header Column=x=2^p-1 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 \div 4 y \div 3 z NOT \div 3 xz NOT \div 3 and the Differences between PNs — and other candidates — are \div 24.
 SET/STRAND 2 "containers": p=EVEN "net"p=ODD=x x \div 4 y NOT \div 3 z \div 3 xz \div 3 and the Differences between PN "container" candidates are \div 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 \div 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).