

Table 189: Running Sums (Σ)=p

Table 189: p=Σ																	
p	Σ=p	1	2	4	8	16	32	64	128	256	512	1024	2048	4096	8192	Mp = 2 ^p -1=z	
2	1+1=2	•														3	
3	1+2=3	•	•													7	
5	1+4=5	•	•													31	
7	1+2+4=7	•	•	•												127	
13	1+4+8=13	•	•	•												8191	
17	1+16=17	•				•										131071	
19	1+2+16=19	•	•			•										524287	
31	1+2+4+8+16=31	•	•	•	•	•										2147483647	
61	1+4+8+16+32=61	•	•	•	•	•	•									2305843009213693951	
89	1+8+16+64=89	•			•	•		•								618970019642690137449562111	
107	1+2+8+32+64=107	•	•		•		•	•								162259276829213363391578010288127	
127	1+2+4+8+16+32+64=127	•	•	•	•	•	•	•								170141183460469231731687303715884105727	
521	1+8+512=521	•			•						•						
607	1+2+4+8+16+64+512=607	•	•	•	•	•		•			•						
1279	1+2+4+8+16+32+64+128+1024=1279	•	•	•	•	•	•	•	•			•					
2203	1+2+8+16+128+2048=2203	•	•		•	•			•				•				
2281	1+8+32+64+128+2048=2281	•			•		•	•	•				•				
3217	1+16+128+1024+2048=3217	•			•				•			•	•				
4253	1+4+8+16+128+4096=4253	•	•	•	•			•						•			
4423	1+2+4+64+256+4096=4423	•	•	•				•		•				•			
9689	1+8+16+64+128+256+1024+8192=9689	•			•	•		•	•	•		•			•		
9941	1+4+16+64+128+512+1024+8192=9941	•	•		•		•	•			•	•			•		
11213	1+4+8+64+128+256+512+2048+8192=11213	•	•	•			•	•	•	•			•		•		
19937	1+32+64+128+256+1024+2048+16384=19937	•				•	•	•	•			•	•				
21701	1+4+64+128+1024+4096+16384=21701	•	•				•	•				•		•			
23209	1+8+32+128+512+2048+4096+16384=23209	•		•		•		•		•			•	•			
44497	1+16+64+128+256+1024+2048+8192+32768=44497	•			•		•	•	•			•	•		•		
86243	1+2+32+64+128+4096+16384+65536=86243	•	•			•	•	•						•			
110503	1+2+4+32+128+256+512+1024+2048+8192+32768+65536=110503	•	•	•		•		•	•	•	•	•	•		•		
132049	1+16+64+128+256+512+131072=132049	•			•		•	•	•	•							
216091	1+2+8+16+1024+2048+16384+65536+131072=216091	•	•		•	•						•	•				
756839	1+2+4+32+64+1024+2048+32768+65536+131072+524288=756839	•	•	•			•	•				•	•				
859433	1+8+32+256+1024+2048+4096+65536+262144+524288=859433	•		•		•			•			•	•	•			
1257787	1+2+8+16+32+256+4096+8192+65536+131072+1048576=1257787	•	•		•	•	•			•				•	•		
1398269	1+4+8+16+32+64+128+256+1024+4096+16384+65536+262144+1048576=1398269	•	•	•	•	•	•	•	•			•		•			
2976221	1+4+8+16+64+128+256+2048+8192+16384+65536+262144+524288+2097152=2976221	•	•	•	•		•	•	•				•		•		
3021377	1+64+512+2048+4096+131072+262144+524288+2097152=3021377	•					•				•		•	•			
6972593																	
13466917																	
20996011																	
24036583																	
25964951																	
30402457																	
32582657																	
37156667																	
42643801																	
43112609																	
57885161																	
74207281																	
77232917																	
82589933																	
Table 189	Table 189: Running Sums (Σ)=p. This is the original Table 189: The Σ of some combination of the BF1=p, with Column 1 being the Primes. The distribution of those BF1 numbers — up to 8192 — is shown. What if every natural number -- EVEN or ODD, and already found on the DMT -- can also be made by the <u>selective</u> Running Sum (Σ) of the Butterfly Fractal 1 (BF1)? If you want an ODD (see Table 189a) you start with "1" and add up <u>select</u> EVENS -- 2-4-8-16-... -- and, if you want to make an EVEN (see Table 189b) you simply start without the "1." ALL natural numbers can be made from <u>selective</u> Σs of the BF1. See Table 189c: Running Sums (Σ) of the BF1 that equal 2 ^p -1 to see how the “p” value ALSO gives the number of BF1 values that give the sum.																

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