Power Mod Algorithm

	Exponent --> E		8191
	Base -------> B		1315
	Mode ------> M		13151
(A4)	(B4)	(C4)	(D4)

B^E (mod M) is the last repeating number in P(mod M) column

E (A10)	B (B10)	P (mod M) (C10)	B^2 (mod M) (D10)
		1	
8191	1	1315	1315
4095	1	4616	6444
2047	1	7607	7429
1023	1	11631	8445
511	1	5678	152
255	1	3287	9953
127	1	9781	8877
63	1	8447	337
31	1	4497	8361
15	1	1638	8756
7	1	13127	10357
3	1	7833	7893
1	1	4613	3162
0	0	4613	3484
0	0	4613	13034
0	0	4613	538
0	0	4613	122
0	0	4613	1733
0	0	4613	4861
0	0	4613	10125
0	0	4613	3580
0	0	4613	7326
0	0	4613	1045
0	0	4613	492
0	0	4613	5346
0	0	4613	2593
0	0	4613	3488
0	0	4613	1469
0	0	4613	1197
0	0	4613	12501
0	0	4613	1668
0	0	4613	7363
0	0	4613	5347
0	0	4613	135
0	0	4613	5074
0	0	4613	8969
0	0	4613	11445
0	0	4613	4065
0	0	4613	6569
0	0	4613	3330

Cell	Content
C11	"1"
A12	D1
B12	MOD(A12, 2)
C12	IF(B12 = 1,MOD(C11*D12,D3),C11)
D12	D2
A13	FLOOR(A12/2,1)
B13	MOD(A13,2)
C13	IF(B13 = 1,MOD(C12*D13,D3),C12)
D13	MOD(POWER(D12,2),D3)
etc....	