Years	Months	Number of people	Fn/Fn-1
0.0	00	0	
	01	1	
	02	1	1.000000
	03	2	2.000000
	04	3	1.500000
	05	5	1.666667
0.5	06	8	1.600000
	07	13	1.625000
	08	21	1.615385
	09	34	1.619048
	10	55	1.617647
	11	89	1.618182
1.0	12	144	1.617978
	13	233	1.618056
	14	377	1.618026
	15	610	1.618037
	16	987	1.618033 ←
	17	1,597	1.618034 Golden
1.5	18	2,584	1.618034 ratio
	19	4,181	1.618034
	20	6,765	1.618034
	21	10,946	1.618034
	22	17,711	1.618034
	23	28,657	1.618034
2.0	24	46,368	1.618034
	25	75,025	1.618034
	26	121,393	1.618034
	27	196,418	1.618034
	28	317,811	1.618034
	29	514,229	1.618034
2.5	30	832,040	1.618034
	31	1,346,269	1.618034
	32	2,178,309	1.618034
	33	3,524,578	1.618034
	34	5,702,887	1.618034
	35	9,227,465	1.618034
3.0	36	14,930,352	1.618034
	37	24,157,817	1.618034
	38	39,088,169	1.618034
	39	63,245,986	1.618034
	40	102,334,155	1.618034
	41	165,580,141	1.618034
3.5	42		
	43		
	44		
	45		
	46		
	47		
4.0	48		

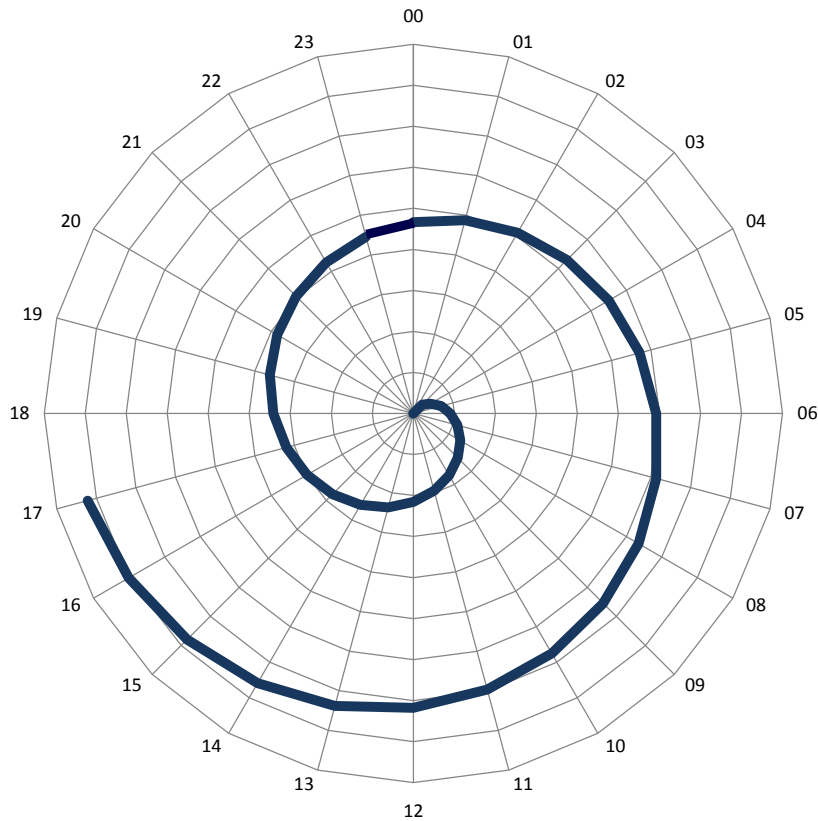# The Number of People who Carry Inflational Expectations (Logarithmic Graph)

(It becomes a whirl when it rotates)

As to cellular slime mold, a swarm is organized through chain reactions of a chemical substance called cAMP.
One who felt food shortage puts out a strong signal. One who noticed a signal also puts out a signal.
At the time of the chain reactions, spiral waves appear. The members start to gather toward the center of the spiral.
Human stories (rumor/hearsay/word-of-mouth/information/etc.) spread like cAMP.
＜See: "Seimei-shi Journal" → http://www.brh.co.jp/seimeishi/journal/65/research_1.html#a01 ＞

Ralph N. Elliott was the first person who found the relationship between the speculation and this chain reaction.
＜See: "Ralph N. Elliott" →   http://en.wikipedia.org/wiki/Ralph_Nelson_Elliott   ＞
＜See: "Fibonacci number" → http://en.wikipedia.org/wiki/Fibonacci_number   ＞

In reality, it would not spread in an ideal shape like above. We need statistics.
Influenza is transmitted largely in a school or crowded train. There would be a same phenomenon in our stories.
Whereas, it would be certain that a basic information transfer system like this would exist all the time in human history.

The Number of People in Exponent
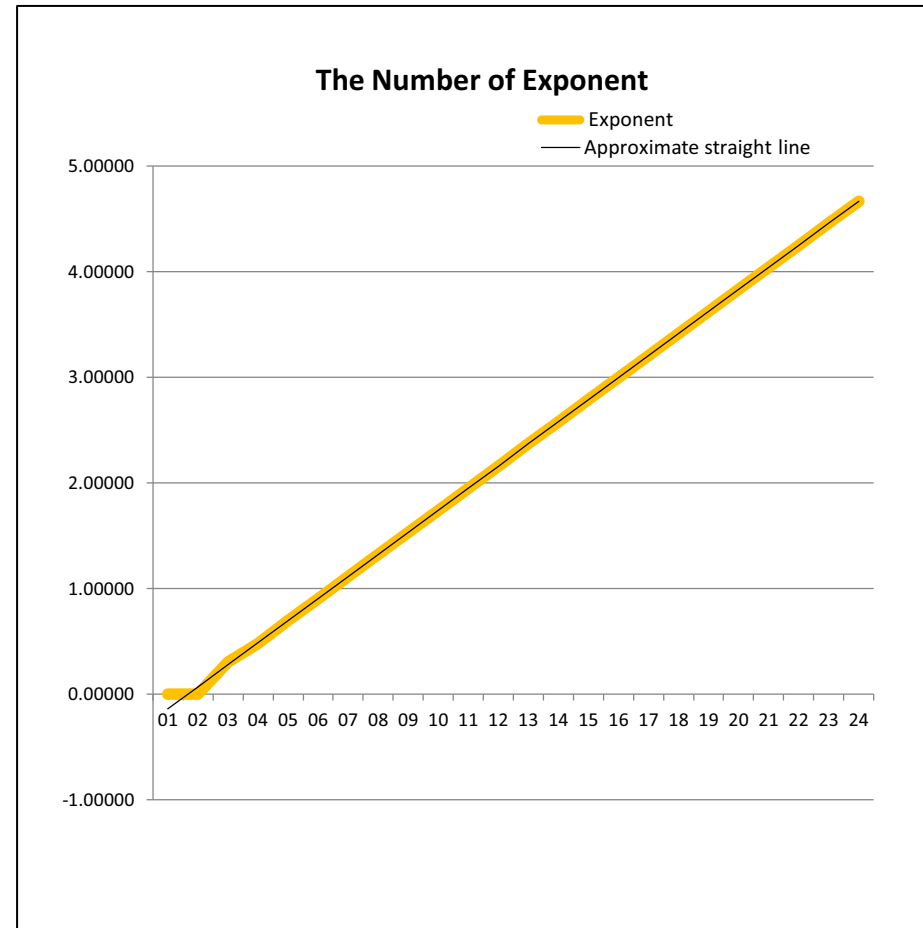## (Following the result of above table, it draws a near-straight line)

$$P = \text{Log}_a(X)$$

	In Exponent				Approximate straight line		
	X	a	P				y=ax−0.35
	Number	Fixed value	Exponent		x	a	y
01	1	10	0.00000		01	0.20899	−0.14101
02	1	10	0.00000		02	0.20899	0.06798
03	2	10	0.30103		03	0.20899	0.27696
04	3	10	0.47712		04	0.20899	0.48595
05	5	10	0.69897		05	0.20899	0.69494
06	8	10	0.90309		06	0.20899	0.90393
07	13	10	1.11394		07	0.20899	1.11291
08	21	10	1.32222		08	0.20899	1.32190
09	34	10	1.53148		09	0.20899	1.53089
10	55	10	1.74036		10	0.20899	1.73988
11	89	10	1.94939		11	0.20899	1.94886
12	144	10	2.15836		12	0.20899	2.15785
13	233	10	2.36736		13	0.20899	2.36684
14	377	10	2.57634		14	0.20899	2.57583
15	610	10	2.78533		15	0.20899	2.78481
16	987	10	2.99432		16	0.20899	2.99380
17	1,597	10	3.20330		17	0.20899	3.20279
18	2,584	10	3.41229		18	0.20899	3.41178
19	4,181	10	3.62128		19	0.20899	3.62077
20	6,765	10	3.83027		20	0.20899	3.82975
21	10,946	10	4.03926		21	0.20899	4.03874
22	17,711	10	4.24824		22	0.20899	4.24773
23	28,657	10	4.45723		23	0.20899	4.45672
24	46,368	10	4.66622		24	0.20899	4.66570
25	75,025	10	4.87521		25	0.20899	4.87469
26	121,393	10	5.08419		26	0.20899	5.08368
27	196,418	10	5.29318		27	0.20899	5.29267
28	317,811	10	5.50217		28	0.20899	5.50165
29	514,229	10	5.71116		29	0.20899	5.71064
30	832,040	10	5.92014		30	0.20899	5.91963
31	1,346,269	10	6.12913		31	0.20899	6.12862
32	2,178,309	10	6.33812		32	0.20899	6.33760
33	3,524,578	10	6.54711		33	0.20899	6.54659
34	5,702,887	10	6.75609		34	0.20899	6.75558
35	9,227,465	10	6.96508		35	0.20899	6.96457
36	14,930,352	10	7.17407		36	0.20899	7.17355
37	24,157,817	10	7.38306		37	0.20899	7.38254
38	39,088,169	10	7.59205		38	0.20899	7.59153
39	63,245,986	10	7.80103		39	0.20899	7.80052
40	102,334,155	10	8.01002		40	0.20899	8.00951
41	165,580,141	10	8.21901		41	0.20899	8.21849
42					42		
43					43		
44					44		
45					45		
46					46		
47					47		
48					48		

The Number of Exponent

— Exponent
— Approximate straight line

(Note)

It often comes to rotate in nature like a whirl --> Spiral shell, Seeds of sunflower, etc.

Here appeared some common views with Econophysics in the following points.   Econophysics

Genes of herd behavior would be employing the laws of nature, i.e., chain reaction, criticality, and phase transition. Even so, as some external powers (ex.: efficiency, etc.) would be working, it does not continue infinitely.

There is a possibility that many of forceful events in the human history had occurred as results of the human herd behaviors.