Attachment 2: Comparison of the Frequency of Genetic Traits in Bacteria Over Time

Generation	Frequency of Variant X in the Population	Frequency of Variant Y in the Population
1	51	49
2	55	45
3	60	40
4	64	36
5	68	32
6	72	28
7	75	25
8	79	21
9	82	18
10	84	16
11	86	14
12	88	12
13	90	10
14	92	8
15	93	7
16	94	6
17	95	5
18	96	4
19	96	4
20	97	3
21	98	2
22	98	2
23	98	2
24	99	1
25	99	1
26	99	1

The data above were collected from a study examining the effect of streptomycin on a bacterial population over a span of time. The bacterial population consisted of organisms carrying one or the other of two variants of a single gene.