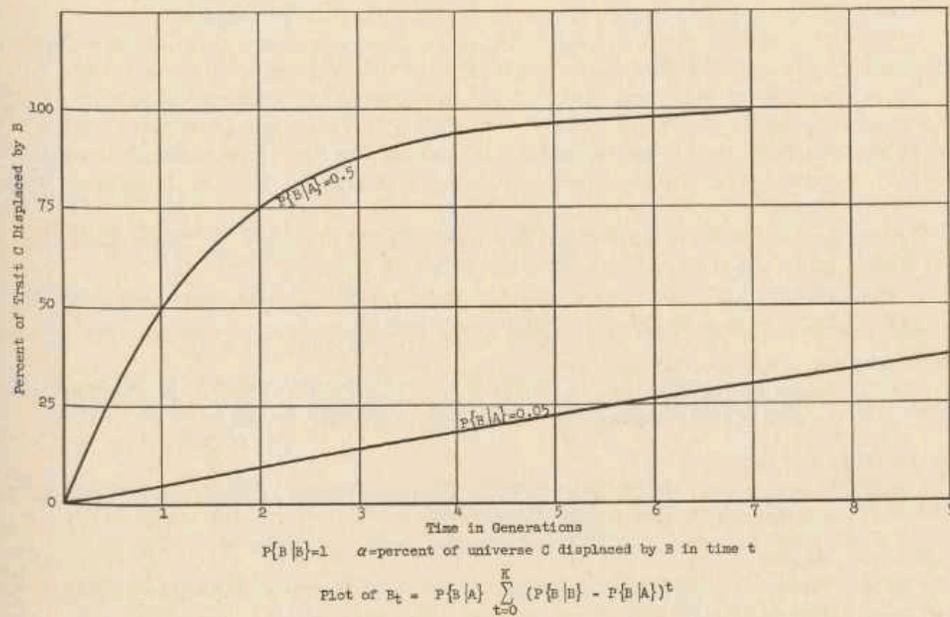


This equation is plotted on the following page with  $P(B|A) = 0.5$  and  $\alpha = 0.05$ . From this it becomes clear that if the degree of functionality is low, a long period of time will be necessary to reach integration of A and B, for after nine generations (about 200 years) only 30% of the population AC has taken trait B.

Figure 6



	X	Y	d	d	d/d	Ranks d/d	Ranks X
Cape Arc							
H <sub>1</sub>	15	51	17	24.3	0.7	13	10
H <sub>2</sub>	17	50	19	26.4	0.72	11	11
H <sub>3</sub>	51	42(50)	33	47.1(51.4)	0.702	12	14
E <sub>1</sub>	2	57(49)	5	3.96(4.86)	1.26	1	1
E <sub>3</sub>	4	56	7	8.43	0.832	8	3
E <sub>4</sub>	14	46	27(26)	22.4	1.20	2	9
E <sub>6</sub>	11	52	15	19.1	0.785	10	8
Island Arc							
H <sub>1</sub>	17	40	12	24.9	0.481	14	12
H <sub>2</sub>	9	39	15(14)	15.6	0.96	7	7
H <sub>3</sub>	31	33	27	32.8	0.825	9	13
E <sub>1</sub>	3	43	7	6.61	1.06	4	2
E <sub>3</sub>	5	41	11	9.91	1.11	3	4
E <sub>4</sub>	8	39	15	14.3	1.05	5	6
E <sub>6</sub>	5	41	10	9.91	1.01	6	5
Total ranks for hits						66	67