	PAGE No.  DATE
	Brogramming Arrignment 1
	Lineage sequence of mutiple frames of c coil-bacteria modeled under the following differential equation model:
	$\frac{dy}{2^{2} \log_{e}(2)} = dz$
. iš . k	$dy = 2^2 \log e(2) dx$
	$\int dy = \int 2^{2} \log_{e}(2) dz = 0$ $RHS = \int 2^{2} \log_{e}(2) dz$
750	= $log_e(2) \int 2^x dx$ = $log_e(2) \times 2^2 + C_1$ $log_e(2)$ RHS = $2^2 + C_1 - 2$
	LHS = $\int dy$ = $y + C_2 - 3$ LHS = RHS
	$y+c_2 = 2^{x} + c_1 - \Phi$ initial condition $y(0)=1$ put $x=0$ & $y=1$ $1+c_2=2^{x}+c_1$
	$1+C_2=21+C_1$ $\therefore C_2=C_1$ $\bigcirc$

	PAGE No.  DATE  / / /
	as (1= 62 replace the value in eq 100
	$y + c_{2} = 2^{2} + c_{1}$ $y + c_{1} = 2^{2} + c_{1}$ $y + c_{2} = 2^{2} + c_{1}$ $y + c_{2} = 2^{2} + c_{1}$ $y + c_{2} = 2^{2} + c_{1}$
	Here, a denotes the time in minutes
	2=1,2,6,7,8,9,11,12,13,14,15,16,17,18,21,22
	for every value of a cue can find the value of y using the equation:
	y=22
	programming and plot the histogram.
	Number of birs for flistogram.
The second secon	M = 16
	Strunge's Formula :- log_2(n)+1 = log_2(16)+1 = 4+1
	5 5 · · · · · · · · · · · · · · · · · ·