9	
P. T.	Problem Stolement
	T. ODIC
	differential equation for a bungee jumper
	depend on whether jumper has follen to
	a distance where could is fully extended and
Con	begin to streach condition of spring and
	dompening forces is encuded in following equation
	Using Fameth order Runga-kutta melhad
	impliment computation from t=00 to t=50s
	· · · · · · · · · · · · · · · · · · ·
Air in	Criven,
	r = 30
	m = 68.1
	CA = 0.25
	k = 40
	X = 8
	$\operatorname{sign}(x) \neq -1,0,1$
	p is velocity
	1 is time 1 = 9.81
	9 = 3:01
	equalian,
	dv = 2 g - sign (v) (d 2); x≤L
	dł
	9-Sign(v) (d v2 - k (2-L) - 8 v; 27L
	initization,
	(6) - 11(-) -0
-	$\chi(6) = v(0) = 0$



