```
rpm= min rev 60sec -0.104
 CI = Clutch output torque (Nm/pm)
CIMIN = ONM/rpm
Weng = Engine Speed (rpm)
                                             Th = throttle position (%)
CIR= Clutch output torque rate ( Nm/rpm)
Ctint = -20.7
Mart = 120 kg = mass of Kart
Speront = # teeth front sprocket = 12
Sprear = #teeth rear sprocket = 85
Spratio = Sprear Sprant
What diameter of rear wheel = 22in = 0.5588m
Weir = circomference of rear wheel = Wdia of
Cw = clotch output speed (rpm)
Cwint = initial clutch output speed = O(rpm)
Cslip = (Weng-Cw) %
Engr = Engine Torque (Nm)
Ct > Engt
                                              Frr = Force rolling resistence = 10 N
Vsp = Vehicle speed (M/s)
                                             Tstep = Time step
Wsp = Wheel speed (rpm)
Fo = Force air drag = 1/2 p Vsp CoA
P=air density = 1,225 kg/m3
CD = coefficient of drag = 0,3 (ratio)
A = cart frontal Area = 0.560 m2
```

initial condition	A = 0.56 m2	Sprear = 85 teeth	
Vsp = 0	CD = 0.3 (ratio)	Woia = 0,5588 m	
Th = 100%	Ctint = -20.7 Nm	P=1.225 kg/m3	
Mkart=120 kg	Ctmin= ONm	[PMratio = 0, 104172	cen
Tstep=0-0.5 sec	Fre= ION	0,10172	rodle
Cwint = Orpm	Speront = 12 teeth		0 1 1
ome = Orpm			Bounday condition
			10 m/s
			(22mph)
Spratio = Sprear	7 0022		
Spratio = Sprear = Sprear =	1.0832		determine Sprochet vatio
Weng = 2000 rpm	CT = Cir Weng +	Ctint	Determine
Czs	find interection	of clutch torque	engine speed
	C.J. NE	torque ensura	
	to determine	engine speed	(1=0.5)
CZ=6.9Nm		如此的情况,但是这个人们是是这个人的问题的人,可以是是一个人们的问题的意思,可以是是一个人们的问题的意思。	STREETS AND ASSOCIATION OF A PRINTING OF A P
	Cr= Engz @ 10	% throttle	determine Clutch output
	And the property of the property of the first control of the property of the p	1/2 PMS	torque
Colip = Weng - Cw = Weng	100%		dela
Weng	, 5 5 7 6		determine clutch slip
FD = 1/2 P 1/2 P CDA		and the principle of th	Statement was property and the statement of the statement
10-12/ 1/2 P-CDA	4=0		determine wind registance
P -0			Wind registerie
French = FB+Fr	r = 10N		determine
			total vehicle
Kansal = /Cz.Sp	ratio	The comments of the comments o	rolling registance
Kaccel = (CT. Spratio. 2 - Frr-80) = Mxart = 1.374 m/s2			
		11 7/7 m/sz	determine
Usp = Kaccal +			Kart accol
Usp = Kaccel . Tstop = 0.687 m/s		Vel	due to clutch
			hicle speed final

Final Clutch output spend

1,0

CZ = 6.9 NM

Frr = 10 N

$$W_{SP} = V_{SP} 60 = 2.000(60) = 70.227 rpm$$
 $C_W = W_{SP} \cdot SOME = 1.76$ 

$$F_{D} = 0.437$$

Colip = 6.5% New operating mode

Colip = 0

$$Engt = \frac{2292.9 - 2200}{2300 - 2200} \circ (7.16 - 7.08) + 7.08 = 7.154$$

$$EngP = 1.72 - 1.631$$

$$EngP = 1.72 - 1.631$$

$$EngP = 1.72$$

$$11.72 - 1.631$$

$$EngP = 1.72$$

$$2300 - 2200 (0.1078 - 0.1197) + 0.1197$$

Until max Vehicle speed