.1/						
. }						
$\frac{(0) (y_{n+1} = y_n + 0.5 \text{ Lt } e^{3t} - 2y_n)}{(y_{n+1} = y_n + \frac{h}{2} \text{ Lt } e^{3t} - 2y_n + (t+h) e^{3(t+h)} + 2y_{n+1} - 2y_{n+1}}$						
\$4 .,						
1:						
٠,						
$[a], y_{n+1} = y_n + \frac{h}{6} l k_1 + 2k_2 + 2k_3 + k_4)$						
$k_{i} = y_{0}$ $k_{i} = f(t_{0} + \frac{1}{2}, y_{0} + \frac{1}{2}k_{i})$						
k3= f(t+ 2, yn+ 2k2)						
$K_{4}=+(++h, y_{0}+hk_{3})$						
Heun's method: $K_i = -y_n + h_i + 1$						
≥3.2191• $ (x_1 = (\frac{1}{3}h - 1)y_n - \frac{1}{3}h^2i + hi + 1)$ $ (x_2 = (\frac{1}{3}h - 1)y_n - \frac{1}{3}h^2i + hi + 1)$ $ (x_1 = (\frac{1}{3}h - 1)y_n - \frac{1}{3}h^2i + hi + 1)$ $ (x_1 = (\frac{1}{3}h - 1)y_n - \frac{1}{3}h^2i + hi + 1)$						

271. #5.	()	History !	20.347/75.62	W 12 (00) 1/ (1)
(a), y'(t) = = = y+t	e ^t		2344.0=	
y"(t)= 产y+ (4t	:++')e ^{t,}		4000	. 1= (1.5)
Yan(t) = Yn + h(+	y+t'e+)+ 1/2 (:	<u> </u>	et tot et have	. X.= (x.)+
$= y_n + \frac{o_2}{+} y_n$	+0.105+20++0.0	<u> 1</u> 4 + 0.02	tet bu . c. dtp	tix) x.
n t wn y,			प्रक्रिश्चित्र । जन्मे	,
0 6.1 0	0	<u>.</u>	b=1, c=1, d=	
1 1.1 0.33978 0.	34592		,	
	8664			
	60722			
1.	.62036			
5 1.5 3.91098 3.	.96767		·	
6 1.6 5.61308 J	.72096			
7 1.7 7.86038 7.	.96387	`	,	
8 1.8 10.65951 10	.79362			
9 1.9 14.15268 14	p. 32308			
13 2.0 18.46999 11	8.68310			
16). Aleton Newton In	terpoluting Meth	od		
g U.04) = 0.1177			g 11.97)= 17.079	73
y (1.04) = 0.11999			y (1.97) = 17. 279	30.
	,			

.

.

P301. #10.	. 1 1
1 + in = y, 1 - hy," + 2 y;" + O(h3)	しんじょうりょうているかんこう
(fi-2= y: - 2hy;" + 2h2 4;" + O(h3)	1311-32+ 1-[test-282+ (tra) es
9;+1=4;+ 54;+ + + + + + + + + + + + + + + + + + +	OCH 140 C 140 OF AX
compare the coefficient of the to	o, o e o o o o o o o o o o o o o o o o o
(a+b+c=1 : (a= 12	0 - 27/05:5 7/0717 11095:0 1.10
-b-2C= \frac{1}{2}	· E - 1/2/9-7 [27:00:0] 1/108:50 0:1
皇+2C=亡 C= 立.	. 0. 11 . 6
	1) - Jan = 4, t + 1/4 1/4 2/2+ Ky)
	14 = 92
	たこをしたまでも、りのするとい)
	63= + (++ +) + = 61
	Ky: flfth, Mathless,
	t. U. Ime value
It eum 's method:	<u> </u>
K: -130 + 11:+1	of 6.1410 0.1836
15: = = 1 1 1 1 - 3 - 3 1 1 1 1 1 1 1 1 1	1.0 3.314} \$3.2.191
1 からいいいけんにいからいか	. N 1813.
Modified Eule: method:	Midpoint method:
1-190 - 19-51	K= -W: 8 pi + 3
1+11+13 - 10(+2)=1X	Ku=(3-1) W, - 2 1 mi +1
4+1[12-14-1]+16(1+12-12)]+1	はころれたなる らっかりますしたこう
ے راپ	Eh = 611