a 1					
Direct Method					
Linear In			t	V	
Y	(x Yi)		5	m/s	
			0	0	
	(X2) Y1	o	10	227.04	
(Xo	(X2) To) fn(x) inter	polant	P 15	362.78	
		' ×	20	517.35	
Y			25	602.97	
	× (%)	CIY			
	a +		20	901.67	
(x	(0 Y6)	٨	Find	6 (16)=?	
		- ×			
V(C)	0.106				
	a0+ait	1 2			
	362.78 = 90				
V(20) =	517.35 = a0-	tai (20)			
	7				
	20 362.78				
1 20 0	517.35				
Q ₀ =	= -100.93				
	30.914				
) = ao +a, b				
V(t) = -1	00.93+ 30.91	4 t			
V(16) = -1	00.93 + 30.91	4(16)			
	393.7 m/s				
	773 7 111/3				

X	0	2	4	(5	8		0									
for)		4	5	6	204												
		d							Sing	N	ewto	n's	forw	end.	Int	erpol	ation
So	[n/												for				
/							0										
X		Y		14	Δ	9	4 3y	2	ערו								
0		0		4													
2		4	ç	2	48		48										
4		56		48	96		48	C									
É		204	2	.92	14	4	48	C									
8	3	491		184	19	7											
10	2	981		104													
Ne	wto	n's 1	E D	for	mula	91	vės										
1	(=	Yo	+ +	44	o +	r (r-I)	a'y	0 +	8(8-1)	(r-	<u>v)</u>	3y.	+		
							21				3						
		r =	2	h		7	2		· 2								
							7	16	X4_	a ,	C. ~		W	(n/	<u></u>	(n/	-2.)
f	(x)	=	0 -	+ 3	- (L	1) 4		20	2	<u>)</u> (48)	1	Th	Ch	31	Cni	(48)
									2						•		
		=															
		=	x	5-	2×	T	his	is	the	2 11	nter	pola	ting	P	slyn	oma	
	Put		7 =	2													
	ru1					23	21	^a)_	2 2		P	<u>`</u>	2	11:	<u></u>		
			+	(5)	=	J -	- 21	oj:	2 2		+1	ر ا) -	VIV	5		