		Tra	ject	orie	s Co	ont																			
			, May 19																						
		,																							
def	: gi	ven	7(1)) = <	(+)	, y	(4)	z (†))																
the		accele	ration	æ	tim		+ i-	s :																	
1100	-	400616						(x(+	.,,	4. 5.1	•			4	(†		å°†())	(. 1					
						ā(t	.) =	(x(+) ", ;	y (+)	, 2	(+) ")	=	dt			d†ª		(4	ctor	Tha	t de	pends	on	+)
(by	new	tan's	and	اما	, <u>,</u>	(4)	is	propo	L'a		. C.	\													
. 0		-	333,61	Jogo		•••	.,	brobo	L Dobe	A) TO	,	HCE J													
ex 4) p	ar ticle	me	ving	in	spa	ice	with	† (+	.) =	⟨3 ‡².	- 5, 6	os (+)	, le	n (†ª)	>	, +	>0							
								= 10																	
11,000	761	J	•	-400	-1 et ()0				•		•														
																rule!									
solu	tion :	,	veloci	ty ·	→	⊽ ((+) =	<6 +	, -	Sin (†	•) ,	12	. 2+		(+0	ngen t	to	posi	tion	vecto	r)				
				•								•		•											
						ر د		1.	_	- (1)		<u>-a</u>	\												
		a	cceler	ation	→	al	†) =	6	, - C	05 (+)	,	+ a	/												
@	1:11	٠	م ا	A			±.(10) =	(60	- 5	n (10)	ע ו	. >												
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							ā (1	0)=	(6,	- 60	s (10)	, -	50 /												
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use	dot	pro	duct	r to	ge	٠ () ·																		
17(1	0) =	V 60	0 ² + (-sin(0))2	, <u>/</u> 5	2								7	(10)	· ā (10)	=	₹(10)].	ا à (۱	0)	cos O	
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																0 =	arc	co S	<u> </u>	v (10) · o	(10)	T)		
14 (1	: ۱ (ه	√6	2 + (·	cos(10)) ^a +	(-レ	50)ª												/	₹(10	11.1	ā(10)	1 /		
																9 ≈	80.	30							
						_																			
ず((0)	· a(1	10) =	(60	.6) ٩	r (- <u></u>	sin (10))·- a	s (10)) + (1/5·	-/50)												