9- m=0,5ky xxi(0,0)	
M=1,5 Ky × /2 (1,2) m	13:
X/2 m 2 + X/2 m 2 = (X , Y)	
$\frac{(0,0) + (15,3) = (x,y)}{2}$	
$(x,y)=(0,35,1,5)$ $\overline{F_{12}}=\overline{F_{0}}+\overline{F_{11}}=21+31-31-21$	12
Fiz = - 1 + 1 N	
Frx = m.u => u= -1 = -0,5m/s2	
Fe, = m.u => uy = 1 = 0,5 m/s²	
5x = \$6x + Yot + wt2	
$\frac{5_{x} = 0 - 0.5(4)^{2} = -4 m}{2}$	
5y= 50y + y + + ut2 = 1	
$5y = 0 + C3(4)^2 = 4w$	

data fecha • • 1,2 Ky V= 25m/s V2 = 10 m/s 42 N-S 1t= 0,025 2100 N 0,02 my = 2 Ky M2 = 2 Ky MP MVox+ MVox=mg. Vey + mz. Vzy+ mz V. = m2. V2x 2 Vox = 2,5/3 Vo: 3,5m/s

-	1- m= 5,29 V; : 672 m/s
	m2 = 700 y V2 = 0
	V/Fa = 428 m/s
w	Vr = ?
	m2. V1 + m2. V2: m2. Vf2 + m2. Vf2
0,0	052.672 = 0,0052.428+ 97.42
	0,7 Vfz = 244.0,0037
-	Vfc ≈ 1, 8125 m/s
	Dispersion of the second second
- luj	$CM = m_3 - 0 + m_2 - 672 = M$
	0,2052 2 662,04
	V= 15 . 672-667,04 = 4,955 m/s

data fecha 61ma = 3404 V1 = 1,2m/s Vr = 0,66m/s V22 Om/s Vy 23 m2 = 2 Vcm = 2 Ko = K+ => 1 ma. V2+ 1 ma. V2: 1 mg. Vp + 2 m2. 1. (0,34). (1,2)= 1/(0,34). (0,66)2+ 1 m2. Vr. 0,4846=0,148104+m2.Vs? 0,341446 = mz. Vr2 mg. Vs + m2 V2 = m2. V5 + m2. V4, 0,34.1,2=0,34,0,66+ mz.V 0,1836: mz. V+z 0,341496 = (m2. VF2) Vf Vfz = 1,86 m/s m2=0,1836 & 0,09874 ~ 18,74 CM = X1 m1 + X2 m2 = 1,2,0,0987 × 0,267 Vcm = 15 = 3,2-0,267 20,93 m/s

a	Bloco J:					
- 4	h.y.h=	1 m.	V2			
				V=7m/s		
-						
	Ko=	KF		)		_
	1 m. V	1 Zn	4. V. 2.		300	1
	2 / 2	7./	†	2		-
	VF	2	=) / =	7/2		
-	2 m Vita	t. d =	pe.M.	d=ye.m	. y · d	
			1.2m.y			
	400					
	49V	= 1.2	-7, 8, d	=> d= 2,5	m	
-11	1	2 -	/	1		Hamilton
M	1 m. V	= + . 0				_
	1 %: 6	))2= u.	3 m/ y	·		
	2 44	1	2 9 8	-0		
	2	Z	2. 1.0.	~		
			ded	62 m		
					- 22 - 5	