## Was Giraldo Corrales - 17108182

1)	71 - 1 - 1 - 1 - 1 - 1	Datos -	M1=20K9	m2= 30 kg.	14 10 10 10 13
Wr 50/2	T 22 10				
	mz 30K9		K 250 NIM	x = 0.200	
290	₹xocm				
Por C.E.	ο ς εννο ς ιο δ	de Ener	g/a [C.E.]		
(€-₽ }	Mo = EMF	11 12 12	11 11 17	12/14/14/13	_0
1/201 V 27 1/	2 pt 2 + M29h	4 1/2 KX2 =	$\frac{1}{2} m_1 V_{1f}^2 + \frac{1}{2}$	M2 V/2 + M19 h2+	1/2 KX2
→ M <sub>2</sub>	9h + 1/2 KX2	$= V_2 m_1 V_1$	+ 1/2 M2 V2 + 1	$\eta_1 \circ h$	V1 = V2 = V95
	b1 = ×				
			$h_2 = \times Sen$	100	4-14
	mos y F				
1 1 1 1 1 1	11111	1-1-1-1-1	1/2 Vr2 (M1+	M <sub>2</sub> )	
	1 1 1 1	1 1 1 1 1	1 Sen(1) + 1/2 K		$M_1 + M_2$
	= 2.9x(				
		$(m_1 + m_2)$			
VF = -	2.8×(m2-1	m - Sen +) +	K×3		
I V	(M <sub>1</sub>	+ML.			
£ = - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	81) (0.20) . [	30)-(20) 8	sen 40] + (250)	0(0.20)2	
		20 + 30			
1 1/2 0		1		12410/	
IF = 1(3.924	) · (17.14424)	+ 10	+ LVF=	1.24 1/3	
Ex = Ex	Euo -	₽ E <sub>X</sub> =	1/2 m/g2 - 1	$\frac{1}{2}$ m $\frac{2}{\sqrt{2}}$	
Eu = 1/2	(30) (1.24	$ )^2  +  1/2 $	30).00	- Eu = 23	.064J B)
				High	441111
1111					



