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0	PHYSICS MIDTERY 2
	CHAPTERY: DYNAMICS FORCE AND NEWTONS LAWS OF MOTION
)	
	() . a) () IF, THRUST FOR LAIR RESISTINE/GRAVITY)
	FOR LAIR RESISTING (GRAVITY)
	b) F = 4,5 +10° 10 1.75 x167 = (4.5 ×10° + 4.905 ×10°) = 3.
	W = 5,105 kg (9,81) 7 L7 = 3.095×10 6N
	F = 1.25 × 10° N 30 95 × 10° N 5 × 10° [6.101 %]
	② 70 Kg → 90 Kg
	2 70 kg → 90 kg 700 N 3 -200 N
	(3)-200 = a
	2000 Kg - M 2,000 (100)
	= 3.90 10°N
	(1) 76.0kg being pulled and 3
	a) $f(x) = T_2 \times T_1 \times T_2 \times T_1 \times T_2 \times T_1 \times T_2 \times T_1 \times T_2 \times T_2 \times T_2 \times T_1 \times T_2 \times $
	T, 650 = T2 500
	W-76.0 kg c) FACT - T.y. 7 E.g - W
	W-Tig + Tzy
	Ty 5 To Tz d) Tz cos 10° - T sin 15° = 0 d
	T, (Sin 15")
,	(W510°)
	T, cos 15" + Tz Sin 10" - mg =0
	T, = mq - Tz 3in 10°
	. 00 5 100
	LOS 15- TI = W19 - TI (SINIS SINIO . COS 15"
	105 150



