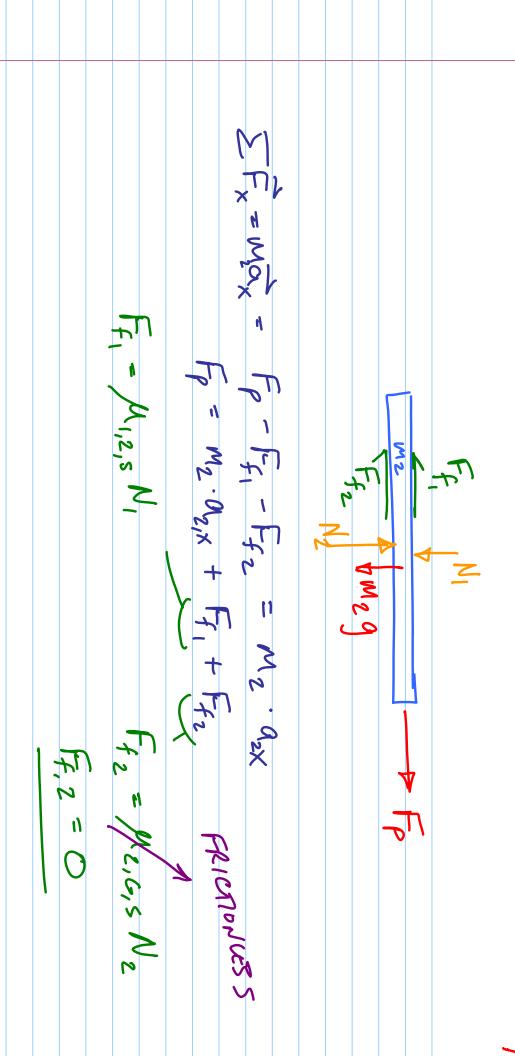
12,6ND = 0

The coefficient of friction between the plate and the ground is zero due to the "frictionless" claim.

The coefficient of friction between block 1 and plate 2 is simply mu-

N = W(s) (2)	
219 19, 17	
O NOT MOVING IN Y-DIR	
$2^{T}x$ $T_{f} = N_{i} Q_{i} X$ (2)	
'	
I N I	
frictional force	
I hus, eq. 1 won't actually accelerate due to H_t,1 but if that block accelerates, there will be a	
1 M1 9	
block to make it move, then there are no frictional	
Pemember that friction is always opposing another force. If there are no forces acting on a	
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2/27/2010	Note Title



Fp = M2 OZX + M1/2,5.N1

Fp = M2 Q2,x + M1,2,5 . M, 9

Impulse:

Ff, = M, a,x

M1,2,5 > M1,2,K

$$\mathcal{M}_{1,1,2}, g = Q_{1} \times Q_{2} \times Q_$$

M2 (M1,2,5.9) + M1,2,5.1M1.9

 $\alpha_{1\times} = \alpha_{2\times}$

IN STATIC FRICTION

