



Osun State University [UNISOUN]

PHY 101

General Physics I.

Topic: Newton's Laws of Motion
(Calculations).

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Department of Physics..

Osogbo, 2025/26 Academic Session.



Example 1

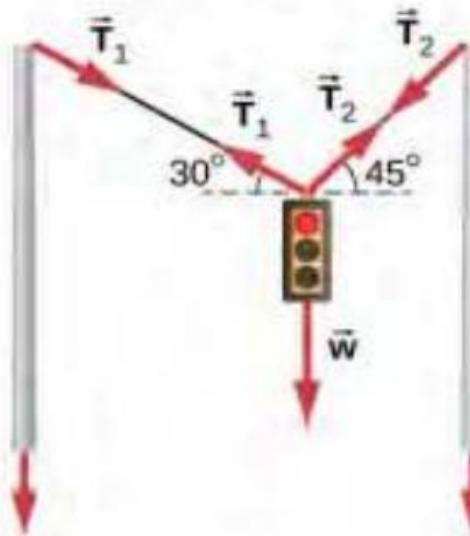
(6.1)

Sketch



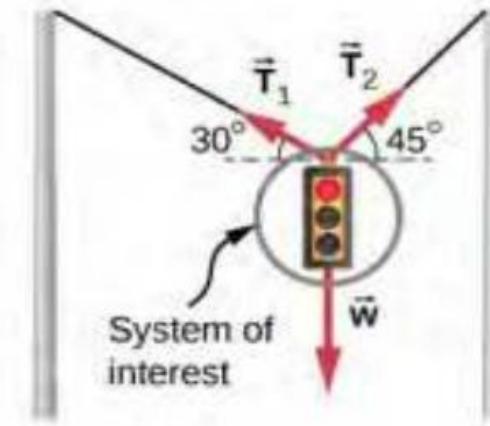
(a)

Just some of the forces
are shown here.



(b)

Only forces on the system
are shown.

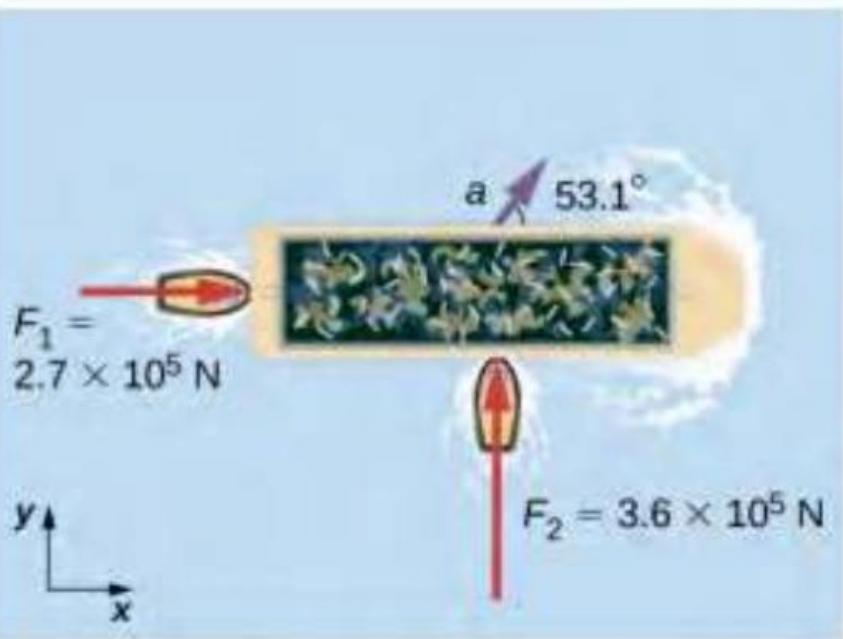


(c)

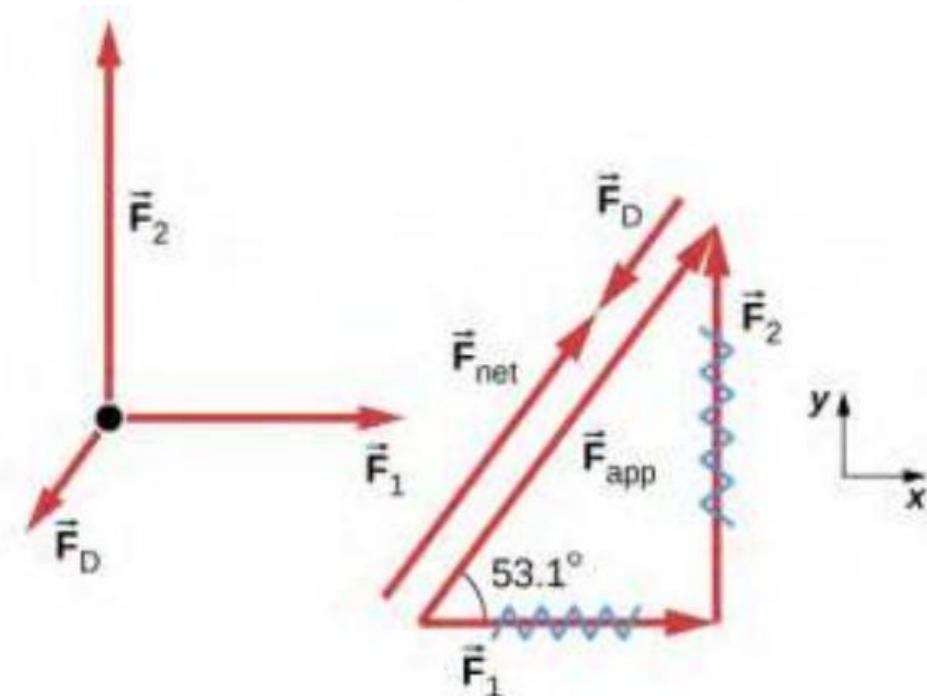


Example 2

(6.2)



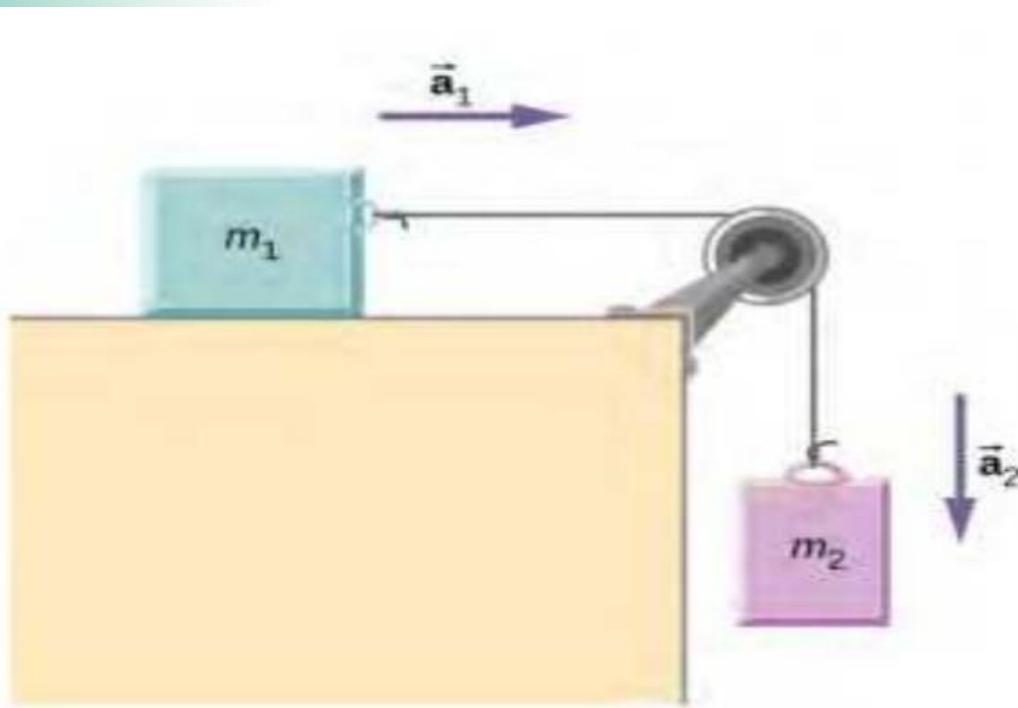
(a)



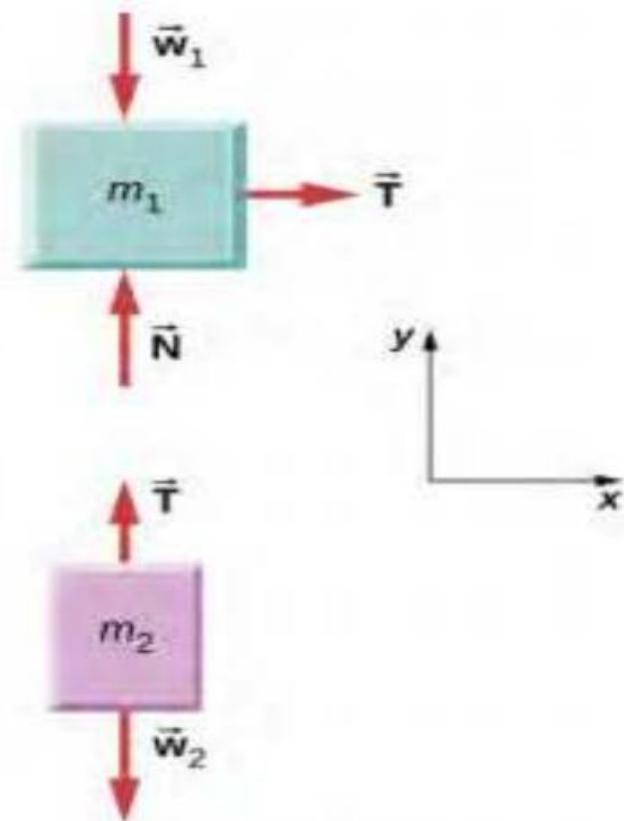
(b)

Example 3

(6.4)



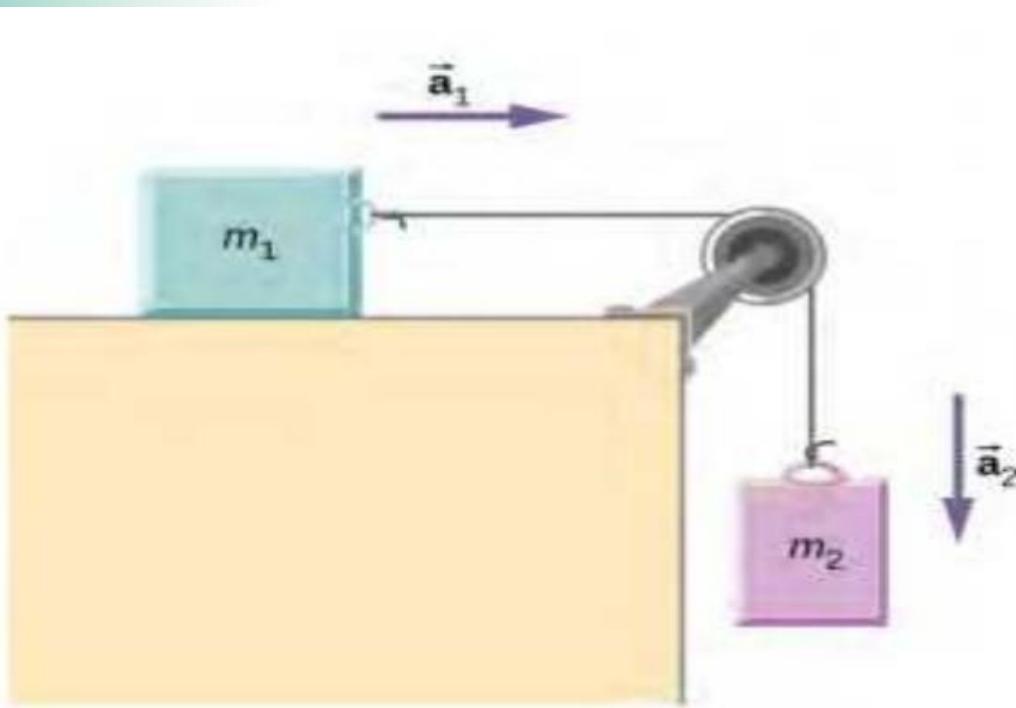
(a)



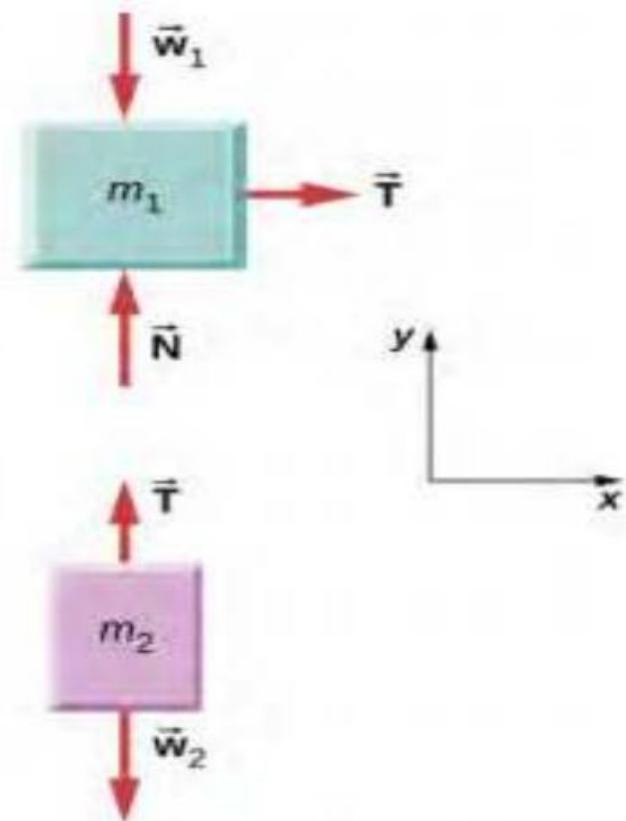
(b)

Example 4

(6.5)



(a)



(b)

Example 5

(6.8)

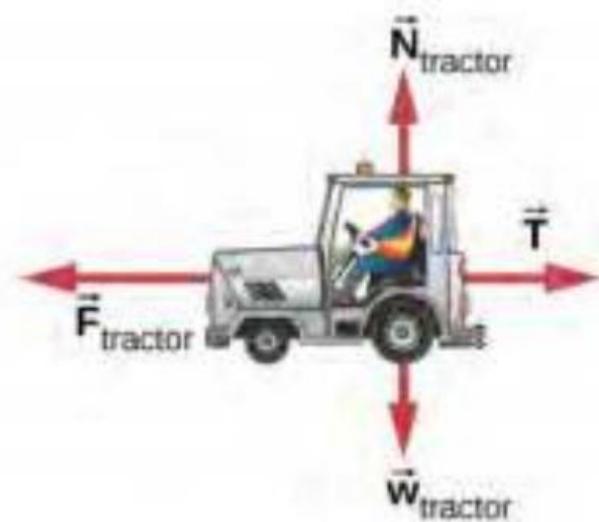


Tractor

Cart A

Cart B

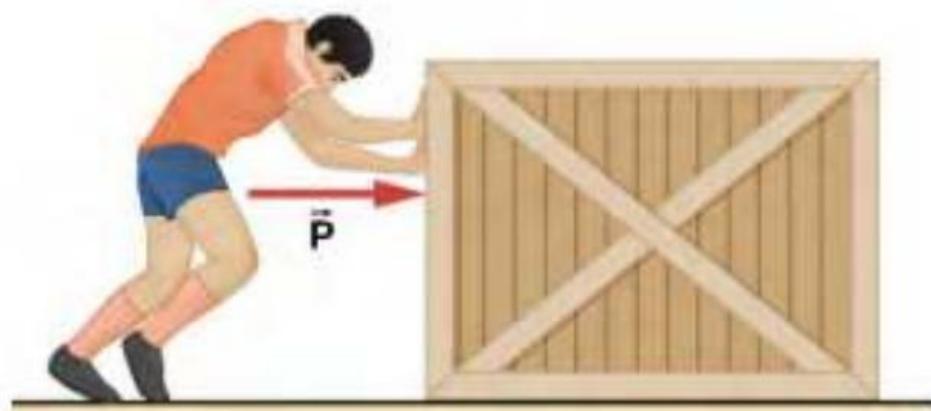
(a)



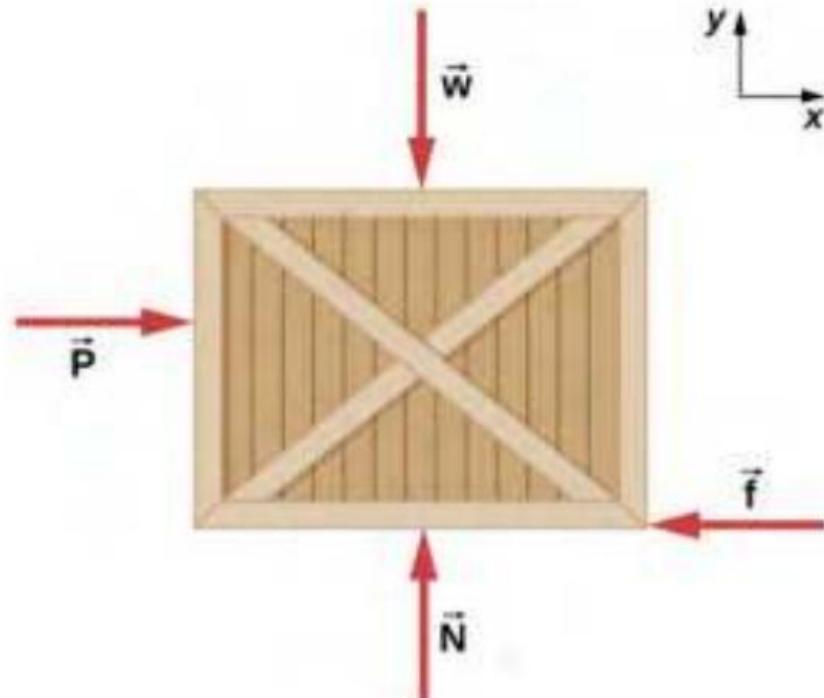
(b)

Example 6

(6.10)



(a)



(b)

Thanks