Announcements

- Extra credit opportunity at CBTF this week
- This is the last week of lecture and discussions for TAM 210
  - Next week's discussion will go over friction. TAM 210 students are encouraged to attend but not required for attendance
- Written Exam next Thursday (11/8)

❑ Upcoming deadlines:

- Friday (11/2)
  - PL HW

Written Exam

Thursday, November 8, 7:00–8:50pm

- <u>Both</u> TAM 210 and 211 students are required to take it for grade.

- Bring student ID card.

- Arrive early – we will start on time!

- Closed book, closed notes. Calculators allowed.

- DRES accommodations must be made with DRES office before Monday (11/5), schedule the exam for Thursday (11/8).

- Conflict exam must be scheduled with the staff team via online excused absence form before Monday (11/5).

- Room assignment:
  - AL1 (12pm lecture), last name A-L: 100 Noyes Lab
  - AL1 (12pm lecture), last name M-Z: 2079 Natural History Building
  - AL2 (1pm lecture), last name A-L: 141 Loomis Lab
  - AL2 (1pm lecture), last name M-Z: 151 Loomis Lab

Example

The wheels of the 50-kN mine cart are locked, will then force applied be able to move the cart (the coefficient of static friction between the wheel and the track is $\mu_s = 0.4$)

10 kN

0.9 m

• G

B

A   0.15 m

← 0.6 m →

—1.5 m—

Slip vs. Tip

40"

36"

70"
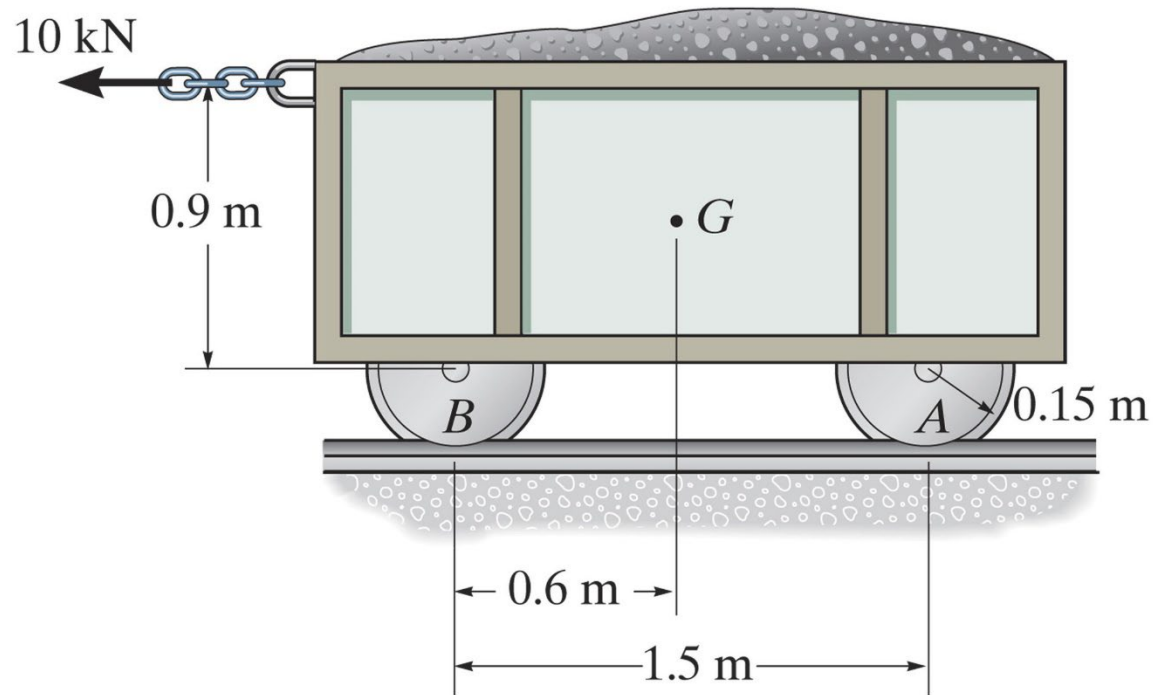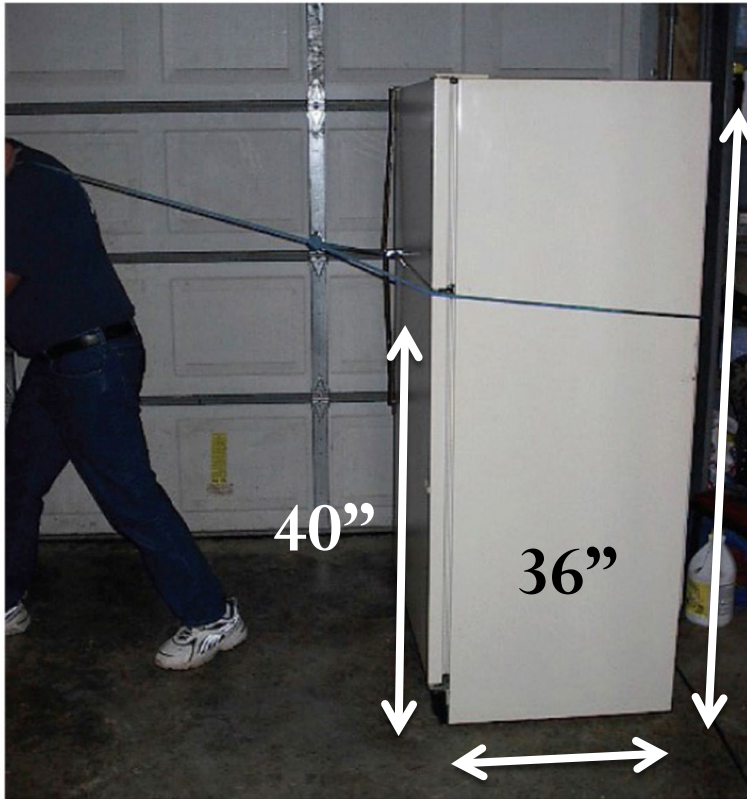
Given: Fridge weight = 250 lb and
$\mu_s = 0.4$

Find: The maximum horizontal force P that can be applied at without causing movement of the crate.