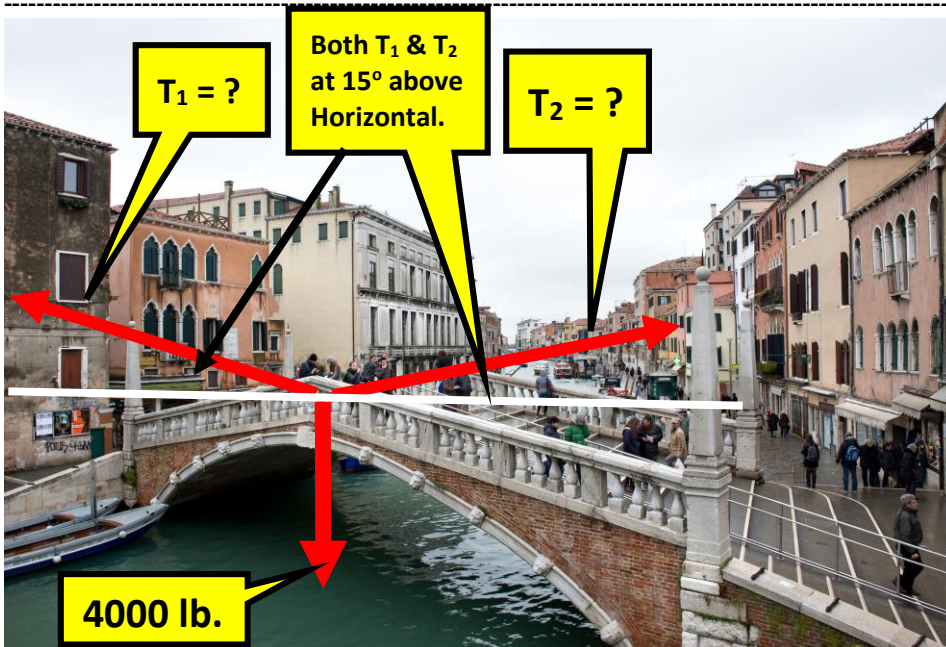


STATICS

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The Ponte delle Guglie. To the right of the bridge is the passage to the Jewish ghetto.

500 Years of Jewish Life in Venice

A journey into one of the world's oldest Jewish ghettos, Though you can still see the recesses in the walls where the hinges of the portals once hung, the [Venice](#) ghetto has not been a prison since Napoleon seized the city and tore down the gates in 1797. Today, no barrier or signpost marks where Venice ends and its ghetto begins. Cross a canal on an arched bridge, duck through a sottoportego (an alley tunneling through a building), disappear down a vent in the urban fabric — you come and go just like everywhere else in the maze of this island city. But linger long enough in the Campo di Ghetto Nuovo, the generous, frayed, tree-flecked plaza that anchors this corner of Cannaregio (the quiet northwest quadrant of the city) and you'll feel the wall of the **Established by decree of Doge Leonardo Loredan on March 29, 1516, the Venice ghetto was one of the first places where people were forcibly segregated and surveilled because of religious difference.** The term itself originated here; the area had been used as a **foundry** ("geto" in Venice dialect) and over time the neighborhood's polyglot residents corrupted the word to ghetto.

INTRODUCTION: The 4000 lb. center section of this Venetian foot bridge is in static linear equilibrium. Using static equilibrium concepts:

$$\Sigma F_x = 0 \quad \Sigma F_y = 0$$

set up two equations to solve for two unknowns.

QUESTIONS: (a) Set up the component forces in the X direction = 0, (b) Set up component forces in Y direction = 0 (c) Solve for T_1 & T_2 ?

HINTS: Make a sketch of all component forces in the X & Y direction. $\cos 15^\circ = 0.966$
 $\sin 15^\circ = 0.2588$

ANSWERS: (a) _____.
(b) _____.
(c) $T_1 = T_2 = \sim 7,727 \text{ lb.}$