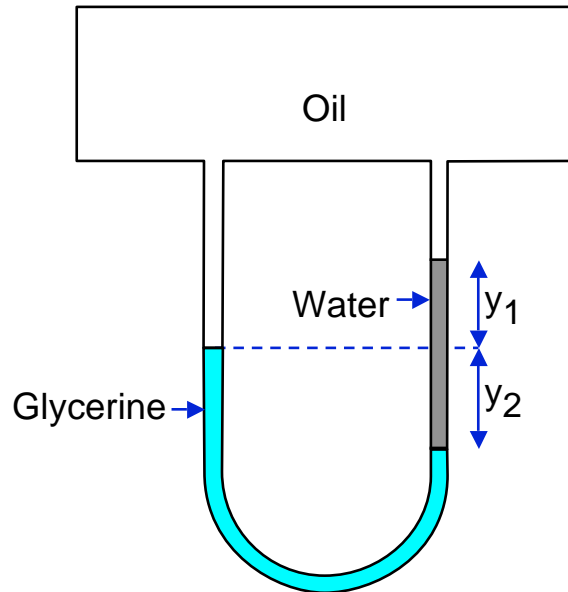


Problem 102C

A U-tube is attached to a tank of oil of specific gravity equal to 0.92. The U-tube is filled with glycerine of specific gravity equal to 1.26. In addition a quantity of water (specific gravity = 1.0) is trapped between the oil and the glycerine on one side of the U-tube as shown below:



Determine the ratio of the heights, y_1/y_2 .