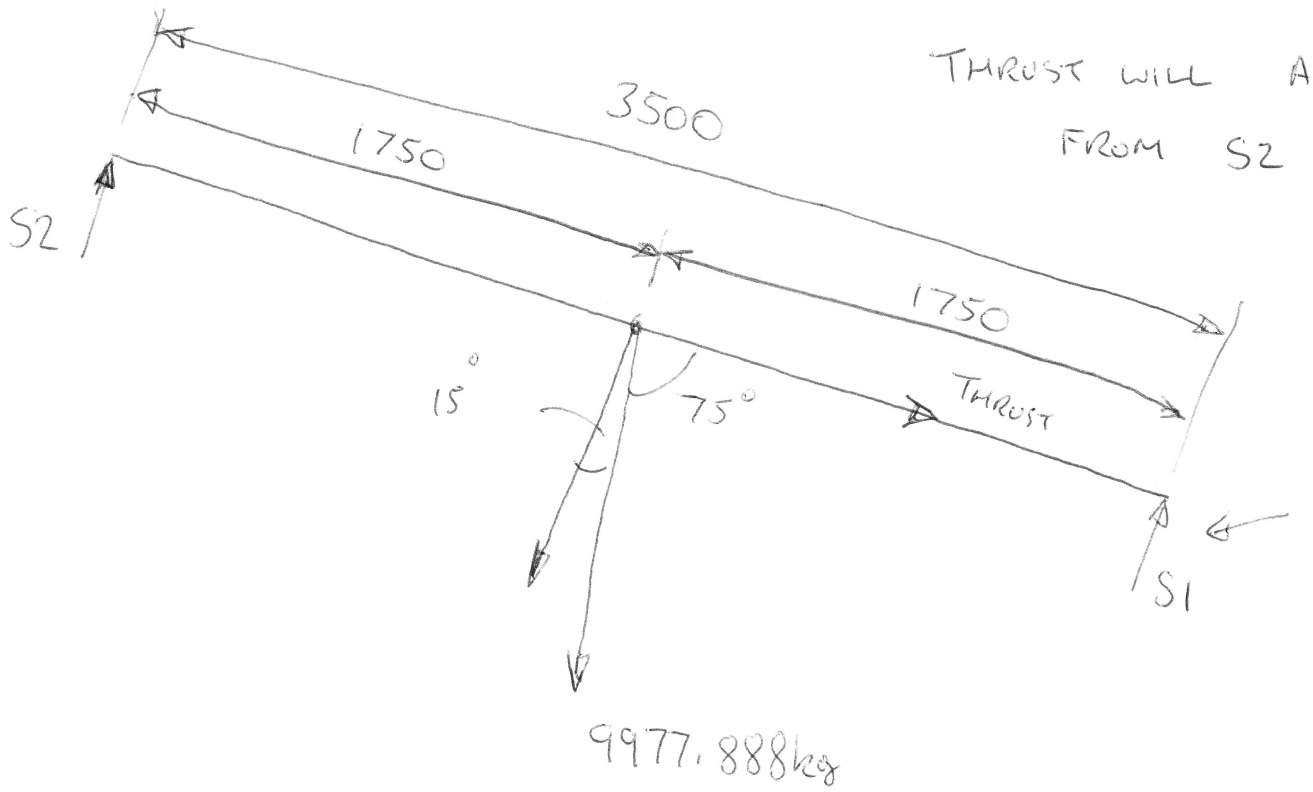
THRUST = $9977.888 \times \cos 75^\circ = 2582.467N$

THRUST WILL ACT PARALLEL TO PIPE FROM S2 TO S1



NOTE I HAVE MADE S1 & S2 ~~PARALLEL TO~~ AT RIGHT ANGLES TO INCLINED PIPE.

TAKE MOMENTS ABOUT S1

$\therefore \quad 3500 \times S_2 = 1750 \times 9977.888kg \times 9.81 \times \cos 15^\circ$

$\therefore \quad S_2 = \dfrac{1750 \times 9977.888 \times 9.81 \times \cos 15^\circ}{3500} = S_2 = 47273.898N$

$S_2 = S_1$ NOW YOU NEED TO RESOLVE S_2 & S_1 BY TRIANGLE OF FORCES TO GET THE ACTUAL VERTICAL LOADS AT S1 & S2.