Figure 1

\[ y = \left( \frac{t-r}{r-b} \right) x \]
Figure 2.

Distance from the River ($x$)

Markup/Unit

$p_{rx} = tx + by$

$p_{x} = rx + ry$

$S/\text{unit}$

$ry$

$by$

Truck-barge

Rail

$\text{Distance from the River (x)}$
Figure 3.

\[ p_{TB} = tx + b\overline{t} \]

\[ p_r = rx + r\overline{r} \]

Distance from the River (x)
Figure 4. Alternative Port

\[ rx + ry = tx + by \]

Distance from the River (x)

\[ \frac{\tilde{x} - \tilde{y}}{2} \]
Figure 5.

\[
\begin{align*}
\text{Shipper Surplus} \\
\text{Shipper Surplus}
\end{align*}
\]
Figure 6.
Figure 7.

Distance from River (x)
Figure 8

$S/\text{unit}$

Rail Price
Rail cost

Markup/unit

$\bar{y}$

Truck-barge

Rail to M

Distance from River ($x$)
Figure 9

$ / \text{unit}$

rail cost to $O$

rail cost to $M$

$by$

Truck-Barge

Rail to $O$

Rail to $M$

Distance from River ($x$)