~~Får nå ikke~~ $\cancel{T \left(= \frac{P_t}{P_i}\right) = \frac{4\sqrt{\rho_1 \rho_2}}{(\sqrt{\rho_1}+\sqrt{\rho_2})^2}}$

(*) Må her bruke at $\underline{B \cdot \partial\xi/\partial x}$ er kontinuerlig i $x=0$:

$$\Rightarrow B_1 k_i \xi_{i0} + B_1 k_i \xi_{r0} = B_2 k_t \xi_{t0}$$

Som kombinert med $\xi_{i0} - \xi_{r0} = \xi_{t0}$ (kontinuitet av ξ) gir

$$\xi_{r0} = \frac{\sqrt{\rho_2 B_2} - \sqrt{\rho_1 B_1}}{\sqrt{\rho_2 B_2} + \sqrt{\rho_1 B_1}}\, \xi_{i0}$$

$$\xi_{t0} = \frac{2\sqrt{\rho_1 B_1}}{\sqrt{\rho_2 B_2} + \sqrt{\rho_1 B_1}}\, \xi_{i0}$$

$$\Rightarrow T = \frac{v_2 \rho_2}{v_1 \rho_1}\left(\frac{\xi_{t0}}{\xi_{i0}}\right)^2 = \frac{\sqrt{\rho_2 B_2}}{\sqrt{\rho_1 B_1}} \cdot \frac{4\rho_1 B_1}{(\sqrt{\rho_2 B_2}+\sqrt{\rho_1 B_1})^2}$$

$$= \underline{\underline{\frac{4\sqrt{\rho_1 B_1 \rho_2 B_2}}{\left(\sqrt{\rho_2 B_2} + \sqrt{\rho_1 B_1}\right)^2}}}$$

$\Rightarrow T + R = 1$ (OK!)

$$\text{og } R = \ldots = \underline{\underline{\frac{\left(\sqrt{\rho_2 B_2} - \sqrt{\rho_1 B_1}\right)^2}{\left(\sqrt{\rho_2 B_2} + \sqrt{\rho_1 B_1}\right)^2}}}$$