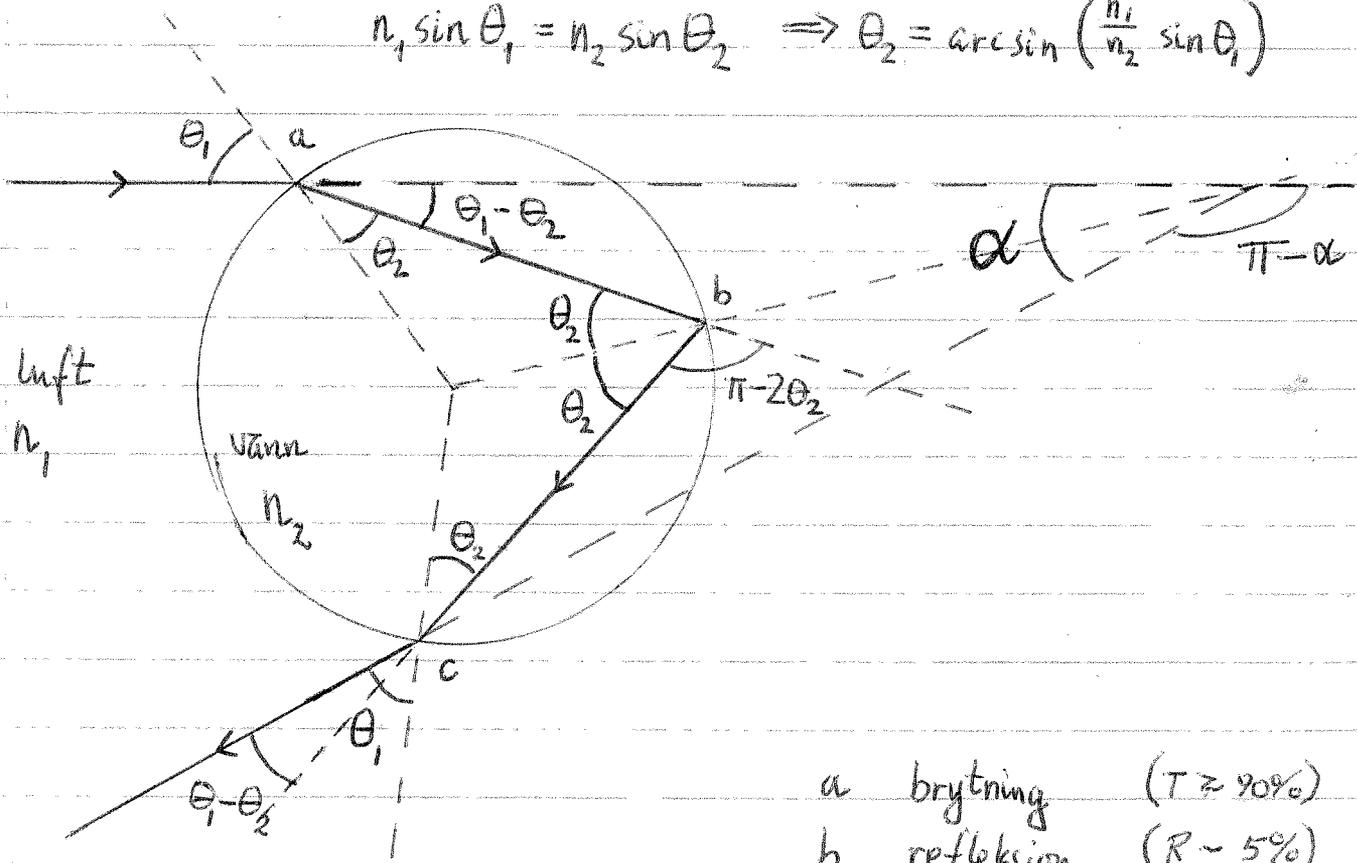


Regnbuen:

$$n_1 \sin \theta_1 = n_2 \sin \theta_2 \Rightarrow \theta_2 = \arcsin \left(\frac{n_1}{n_2} \sin \theta_1 \right)$$



- a brytning (T ≈ 90%)
- b refleksjon (R ~ 5%)
- c brytning (T ≈ 90%)

Retningsendring =

$$(\theta_1 - \theta_2) + (\pi - 2\theta_2) + (\theta_1 - \theta_2) = \pi + 2\theta_1 - 4\theta_2 = \pi - \alpha$$

$$\Rightarrow \alpha = 4\theta_2 - 2\theta_1 = 4 \arcsin \left(\frac{n_1}{n_2} \sin \theta_1 \right) - 2\theta_1$$