

Berechnung der Iso-Konsumlinie:

Ruhestandskonsum = aktuellem Konsumniveau  $\Leftrightarrow C_t = C_{t+T+n} = \bar{C}$

$$\bar{s} \sum_{j=0}^T (1+i)^{T-j} = \sum_{j=0}^N \bar{c} \left( \frac{1}{(1+i)} \right)^{N-j}$$
$$\Leftrightarrow \bar{s} = \bar{c} \left( \frac{1 - \left( \frac{1}{(1+i)} \right)^N}{1 - \left( \frac{1}{(1+i)} \right)} \right) \left( \frac{1 - (1+i)}{1 - (1+i)^T} \right)$$

$$\bar{v} = \bar{s} \frac{1}{T * r} \left( (1+r)^T - T - 1 - \frac{1 - (1+r)^T}{1 - (1+r)} \right)$$