WITNESS Coarse 14-12-21

$$minimize \quad obj = \alpha \frac{discounted\_utility_{ref} * n_{years}}{\sum_y discounted\_utility[y]} + (1 - \alpha) * \frac{\sum_y CO2[y]}{CO2_{ref} * n_{years}}$$

$$\text{w.r.t} \quad invest_{mix} \in [0, 100]$$
$$\text{s.t.} \quad Total\_energy\_prod \geq min\_energy$$
$$energy\_net\_prod \geq energy\_demand \; (\forall \; energies)$$
$$land\_use \geq land\_demand \; \text{(for forest and agriculture)}$$

$$(1)$$