

**production
(and degradation)**

machinery costs

rib.	100	50
chap.	100	0
trans.	0	50
	A	B

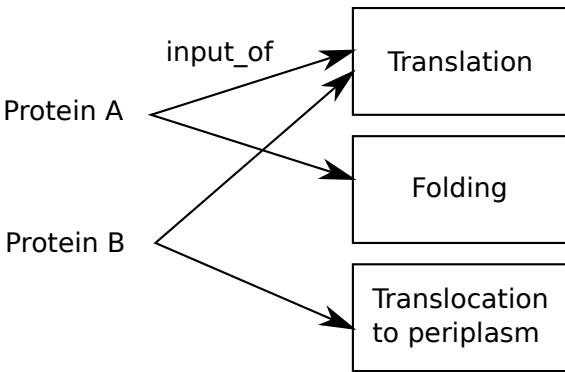
weight

cytosol	100	0
periplasm	0	50
	A	B

metabolites

A B

pre-solver



Process capacity constraints

$$\underline{100} \frac{\nu_A}{k_R} + \underline{50} \frac{\nu_B}{k_R} \leq R$$

$$\underline{100} \frac{\nu_A}{k_C} \leq C$$

$$\underline{50} \frac{\nu_B}{k_T} \leq T$$