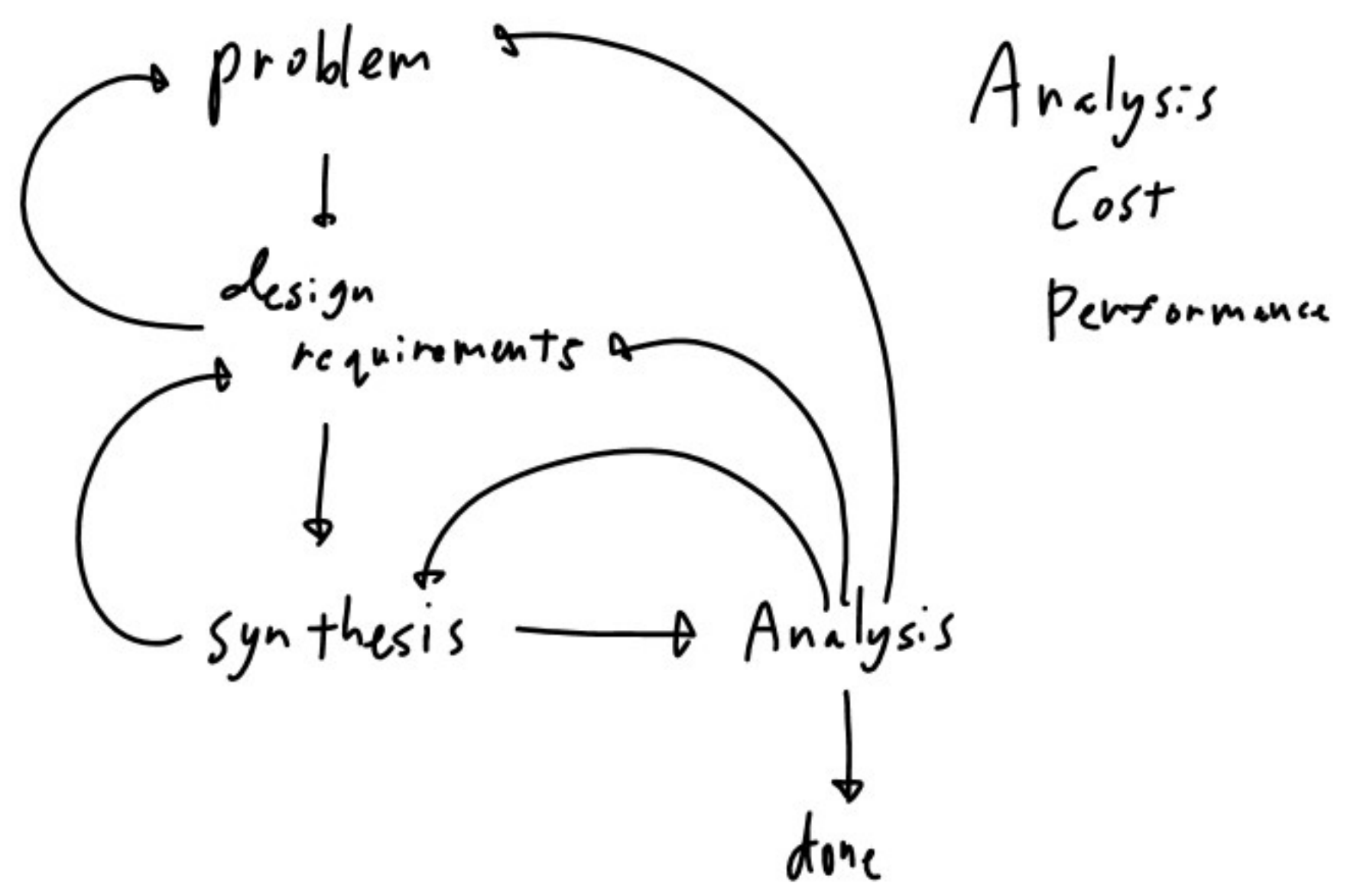


- 1. Design
- 2. Components



# Design Requirements



design factor

$$n_f = \frac{\text{loss of function}}{\text{maximum allowable}}$$

$$\text{max load} = \frac{\text{failure load}}{n_f}$$

$$n_d = \frac{\text{Strength}}{\text{allowable stress}}$$

factor of safety  
(actual value)

## Design Factors

Pressure vessels	3.5-4
Cars	3
Buildings	2
Aircraft	1.2-3