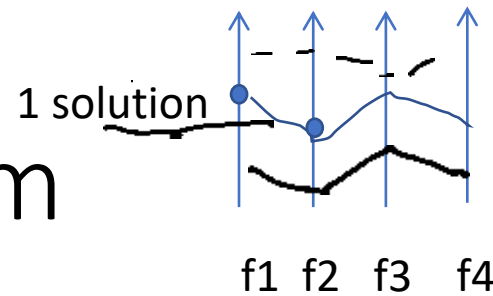
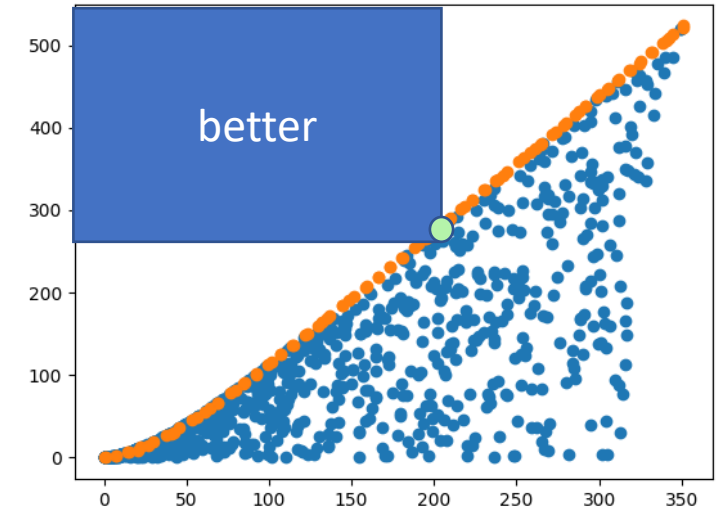


# Afternoon program



Parallel coordinates

$$V(r,h) \rightarrow \max \quad (\text{minimize } -V(r,h))$$



$A(r,h) \rightarrow \min$

- Work on the completion of Desdeo Example for cone/tin objective

check out: [git: Day03 Notebook and scripts  
desdeo-test-problem-and-Pareto-plot.py](https://git.io/Day03-Notebook-and-scripts-desdeo-test-problem-and-Pareto-plot.py)

- Compute a Pareto front for Tent design:

→ 2 objectives: volume/surface (constant floor sidelength 1)

→ 3 objectives: two bar truss (exclude buckling stress)

→ 4 objectives: height, floor, surface, volume

Use 15 point designs in all cases to produce the Pareto front

Visualize some solutions on the Pareto front (for the report)

Send Pareto front to Bhupinder

We will collect and make combined Pareto front

