

① DECISION VARIABLES

F = # of full-size ovens to produce

C = # of compact ovens — " —

② OBJECTIVE FCT

$$\text{Maximize } 120F + 130C = \cancel{30,000}^{40,000}$$

③ CONSTRAINTS

general assembly: $2F + C \leq 500$

electronic — " —: $2F + 3C \leq 800$

demand: $F \leq 220, C \leq 180$

non-negativity: $F, C \geq 0$

