**Primal formulation:**

Input-oriented:

Maximize sum of all weighted outputs

Subject to:

Sum of all weighted inputs = 1

Sum of all weighted outputs ≤ sum of all weighted inputs

All weights are > 0

Output oriented:

Maximize sum of all weighted inputs

Subject to:

Sum of all weighted outputs = 1

Sum of all weighted outputs ≤ sum of all weighted inputs

All weights are > 0

**Enveloped Formulation:**

Input-oriented:

Maximize technical efficiency ratio