

$$\frac{\partial \mathcal{L}}{\partial \mathcal{F}^{i*}} = 0 \implies \mathcal{F}_i = -W_i^*$$

$$\frac{\partial \mathcal{L}}{\partial \mathcal{F}_i} = 0 \implies \mathcal{F}^{*i} = -W^i$$