$$\underset{w,\gamma}{\text{MAX}} \quad \gamma - C \sum_{i=1}^{l} \varepsilon_i$$

$$\text{Sujeito à } y_i \left\langle w, \Phi(x_i) \right\rangle \underset{i=1,\dots,l}{\geq} \gamma - \varepsilon_i \ , \ \varepsilon_i \geq 0 \ \text{ e } \ \|w\|^2 = 1$$