$L(R, c, \lambda) = R^{2} + \sum_{n=1}^{N} \lambda_{n} (|x_{n} - c|^{2} - R^{2}) = R^{2} + \sum_{n=1}^{N} \lambda_{n} |x_{n} - c|^{2} - R^{2} \sum_{n=1}^{N} \lambda_{n}$