Martin Lundfall, Henri Bunting, Malte Siemers, Patrik Bey

Exercise sheet 09 - Machine Intelligence I

9.1

Plugging in the equation to minimize and the constraints into the Karush-Kuhn-Tucker conditions we get the following expression:

$$-w = \tag{1}$$

shdhdsa

$$\begin{aligned} -\frac{1}{2}\sum_{\alpha=1}^{p}\sum_{\beta=1}^{p}\lambda_\beta y_T^{(\alpha)} y_T^{(\beta)}\left(x^{(\alpha)}\right)^T x^{(\beta)} + p = \\ -\mu_1 p + \mu_2\frac{1-C}{p} + \lambda_3\sum_{\alpha=1}^{p} y_T^{(\alpha)} \end{aligned} \tag{2}$$