\[
\frac{d}{d\alpha_i} = 0
\]

\[
(w^T x_i + b) y_i, -1 = 0
\]

\[
w_i^T x_i + b = y_i
\]

\[
b = s_i - w^T x_i
\]
\[
\frac{1}{2} \sum_{i<j} X_i X_j + \sum_i \epsilon_i x_i
\]

\[
\sum_i \sum_{h \neq i} \epsilon_i b_i = 0
\]