```
帶約束: \begin{cases} \min_{w,b} = \frac{1}{2} ||w||^2 \\ S.t. y_i(w^7 x_i + b) > ||i=1,2,...n| \end{cases}
 todo: 带约束不起求 -> 无约束 < 侧格的目>
\frac{L(w,b,z) = \frac{1}{2} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)}{\sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)}
= \sum_{i=1}^{n} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)
= \sum_{i=1}^{n} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)
= \sum_{i=1}^{n} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)
= \sum_{i=1}^{n} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)
= \sum_{i=1}^{n} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)
= \sum_{i=1}^{n} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)
= \sum_{i=1}^{n} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)
= \sum_{i=1}^{n} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)
= \sum_{i=1}^{n} ||w||^2 - \sum_{i=1}^{n} Z_i (y_i(w^T z_i + b) - 1)
      岩 y 2 (w x 2 + b) -1 < 0 ; 0,20
               :. \max_{\alpha} L(w,b,\alpha) = \frac{1}{2} ||w||^2 + \infty = \infty < \tilde{\pi}
    若 y;(wTxi+b)-1 >D; 以20
                Mod max L(w,b,d) = = 1 ||w||^2 - 0 = = 1 ||w||^2
          缩上: min { ∞, ½ ||w||² }
 无细束 一对唱问题。
            对级机范:
                                  min max f > max min f < 33对像性>
             如果对偶点说问题是四二次优级问题。
              ·必有: min max f = max min f < 3品对信性>
            max min L(w,b.d)

d w,b
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S.t. 2; 70
 由上面极大、极小饭间选,可能出业*, b*, 0*
进而求出 经净面。