Exercise O Pen-ord-Paper  $2 = \begin{cases} 0.5(\hat{y} - y)^2 / \beta & |\hat{y} - y| \le \beta \\ |\hat{y} - y| - 0.5 * \beta & else \end{cases}$ ŷ=W'x=\(\sum\_{i} \times\_{i} \) \(\beta > 0\) -C=[0,5(∑w,x; -y)]/B]1((∑wix; -y) ≤ B) + [ ] wix: -y -(0.98] 1 ( | = w:x: -y | > B) >19-41>B => 19-41>0 => 19-41 = 9-4  $\frac{1}{1} = \frac{0.5}{10.5} \times (\sum_{i=0}^{n-1} w_i x_i - y_i) (\sum_{i=0}^{n-1} x_i) \mathbb{1} (|\hat{y} - y_i| \le \beta) + \frac{1}{10.5} \times (\sum_{i=0}^{n-1} x_i) \mathbb{1} (|\hat{y} - y_i| > \beta)$   $= \begin{cases} \frac{1}{10.5} (\sum_{i=0}^{n-1} w_i x_i - y_i) (\sum_{i=0}^{n-1} x_i) & |\hat{y} - y_i| \le \beta \\ \sum_{i=0}^{n-1} x_i & \text{else} \end{cases}$ --- 2