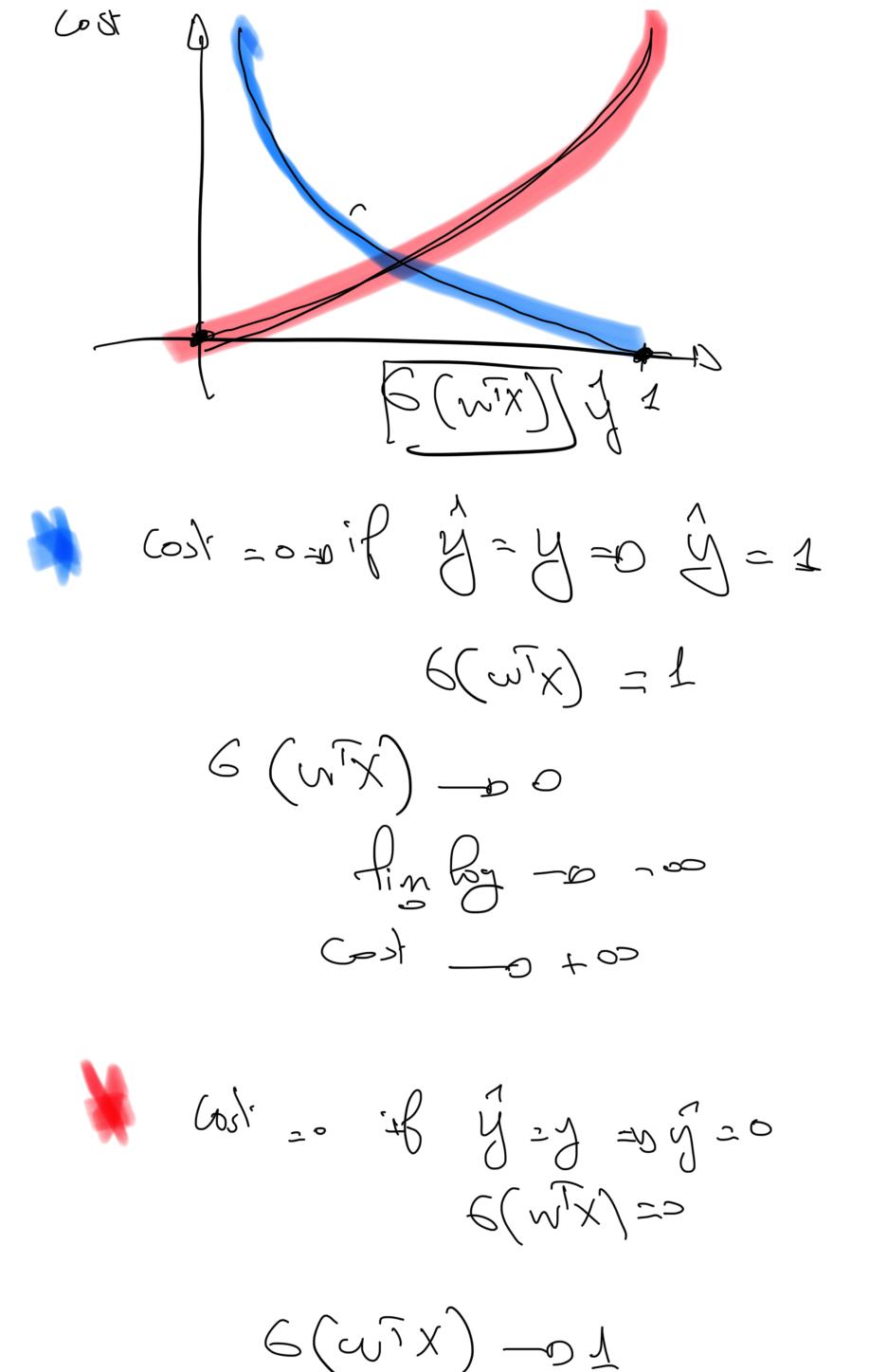
linear Tragression y = X W WC Wan! Fo solve W. In other words we want to find the best W tholi minimizes loss fundion Est fambion MSF : $\frac{1}{2}\left(\frac{w}{w}\right) = \frac{1}{2}\left(\frac{w}{w}\right)^{2} = \frac{1}{2}\left(\frac{w}{w}\right)^{2}$ $\frac{1}{2} \left(\frac{1}{2} \right)^{2} = \left(\frac{1}{2} \right)^{2$

 $= \left(\frac{1}{2} - \times \right)$

(CO 500) 17 sw to find 100? = (XX)X

J(a) = - 'n \\ \frac{1}{2}; \\ \text{ba} \left(\frac{1}{2};)\\
\frac{1}{2}; \\ \text{ba} \text{ba} \left(\frac{1}{2};)\\
\frac{1}{2}; \\ \text{ba} \text{ba} \\ \text{

/y = 6(wx) 4.7, 0.1 Cost (9,9) = - y log (3) - (2-4) log (1-ý) · By = 1 = 0 cost (y,ý) = - tylg) 120=0 costQ11)=-by(4-1) fg (6(vTx)) if - Loy (1-6(~1x))if y=0



J-6(WTX) -00

Grodind. Desver:

Triti luze D Repeat intel convergence

Wrond J.

Wrond 10 gdr bigger

Wrong - wood - Of

Wrond will get briggs