

Note this remark: · if p >0, MMSE - \$\frac{1}{ND} \tag{41} >0, MSE > \frac{2}{ND} e if ye 20, press - = (-1) <0, press < - = <0 -> In both cases, MMSE > 5 2 And in particular, sign (mrse) = sign (m) So we simplify to: M = MMSE - NS sign (MMSE) which is a closed form. · if  $\mu = 0$ , then  $\left(\mu_{MSE} - \frac{5}{Nb} \operatorname{Vsign}(\mu)\right) = 0$ MASSE E [- No ] We can choose. SO if MASE in [-52 57]

MASSE NO Sign (MASSE) (clse)