4W3 P11

- what should rube in theory?

 $A \times = b$   $X = A \setminus b$   $X0 = [1 \ 1 \ 1]^T$   $Ta = 11 \times 0 - X1$  Ta Should be 0.

- How many orders of magnitude?

17(+1) orders of magnitude?

between (onl(Hn) and on

He is a poochy conclitioned

Matrix & the residual grows

quickly to D as NSs.

- Hillert méries one known to be very porty conditional so as N >> 1, Cord(Hn) > W

- Why does condition number plateau at NZ13?

Because Mother is not ber able to headle the number of elements in the due to limitations on Floorts.

The round off error actually happens when computing the a when taking its inverse. The when taking its inverse, The largest contributor is computing the