-s generator matrix

No.

7 Am

-> Minimum distance -> determines the error correctory capabilities is man tells us how many error bits you are garanteed to be able to hix is distance > 1 -> 0 errors defected -> 0 corrected 6 distance -> 2 -> 1 error defected -> 0 corrected → Very inethicient 3 's Repitition 5 -> 2 -> 2 6 -> 5 -> 2 Parity check Matrix - if C= 0 & valid code word only - syndrom col tells us what errors to hix Decoding Problem - Get a generator matrix and you have a code word a and getting an erroneous vector x -> trying to find e or c -> Find the close clossest valid wood is Goppa codes 3 leads to efficient decoding -> If you take a random code then decoding problem is hard 4) decoding we there the correct code to within t of the closest valid code is hard