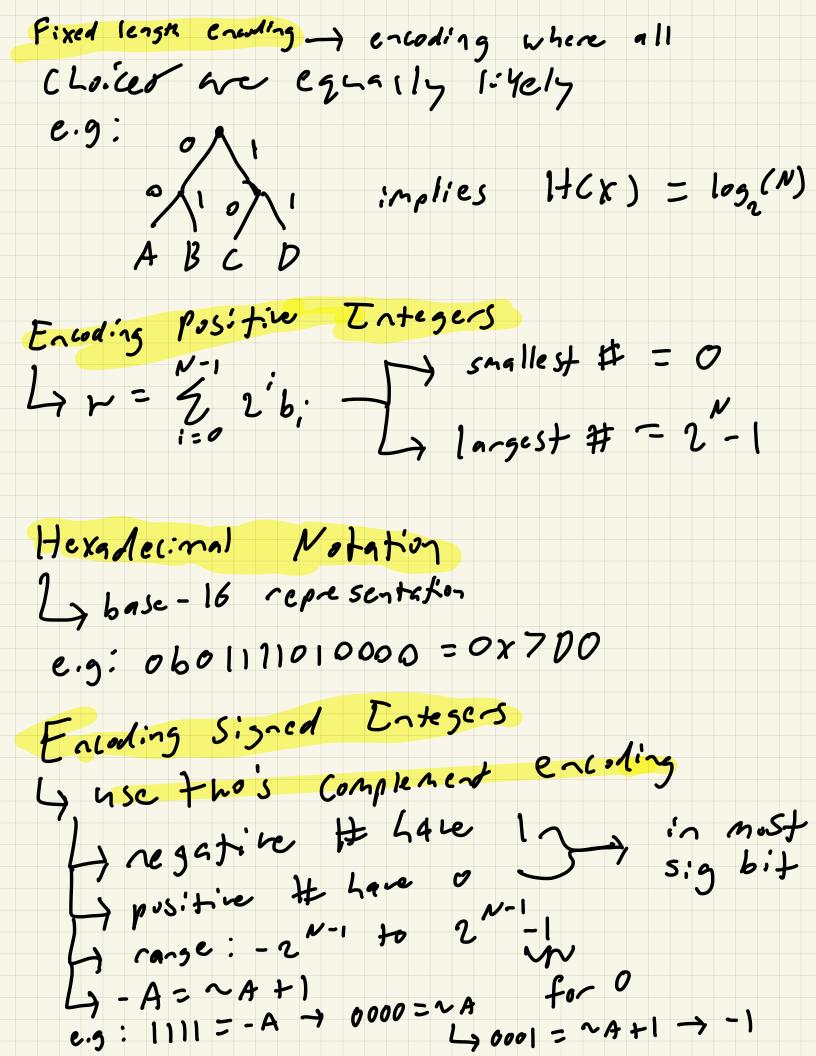
## CHI - Basics of Information

- Intermation Hata communicated resolves uncertanity about a particular taute or circumstance Z(X;) = 1092(p;) unce-tainty - Entropy -> and into in piece of data 4 H(X) = E(Z(X)) - 2 p; log (+) - trading - 4 47 4 bisins and the set of possible E.g: A :00 Anta 0:11



Encoding Vota (Variable length) → higher prob. → Shorter encod. → lower prob. → longer encod. Huffman Algo tree fy at each step in a use the 2 banbols highest prob. WITL 1/12 to imprive coculting to efficiency) need to encode seq of choices not jast chories tenselves

Hanning Distance Ly Hot positions in which the corresponding disits of two encodings of the same lenstr differ Error Ochection Ly to detect & nows, your need a min Harming dist of 27 +1 Correction Gto detect & nows, your need a hin Hunning dist of 25+1