

## 1-2 Fined-length codes. A fined-length code is one whose code ward length in fixed. 2-) variable tength codes > A variable - length code is one where code ward length is not fixed. A code is distinct if each code ward is 3-) Distinct codes > distinguishable from other code words. 4-) Prefix-free codes > A code in which no code word can be formed by adding code symbols to another code ward is called a forefin-free code. Thus, in a frefin-free code no code ward is a fre-fin of another.

Let X be a DMS with alphabet &xi3 where i=(1,2,---m) Kraft Megnalitys Let us consider that the densith of the assigned beingy code word carresponding to a; is no A necessary and sufficient condition for the enistence of an undantarenes beingy code is -K = 2 2-ni < 1

which in known as the kraft in camality

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