Huffman Encocking

- 1. list the source symbol in order of decreasing probability
- 2. Combine the probabilities of the two symbol having the lowest probabilities and rearder the resultant probability, this step is called reduction t.
- 3. the some productive is repeated until then are two ordered probabilities remaining.
- 4. Start Encoding with the Cast reduction, which consist of exactly two orchied probabilities. Assign o as the first digit in the code words for all the symbols avociate with the first probabilies, awign & to the
- 5. Now go back and assign o and I to the second digit for the two probabilities that were combined in the previou seduction step. retaining all anignment made in step \$.
- 6. Keep regressing this way until the first column is reached.

$$H(x) = 2.36$$
 6id | Symbol
 $L = 2.38$ 6id | Symbol
 $n = 99\%$