socrative

Module - 21 (copy) Score:

1. Which of following is based on the idea that we can save bits by encoding frequently used characters with fewer bits than rarely used characters, thereby lowering the total number of bits used.

A) Huffman
B) LZW
C) Burrows Wheeler
D) Run Length

2. For any prefix-free code, the length of the encoded bitstring is equal to the weighted external path length of the corresponding trie.

A) True
B) False

3. Which of the following Algorithms uses Tries ?

A) LZW
B) Huffman
C) Run Length
D) Burrows Wheeler

4. Which of the following Algorithms uses TST ?

A) LZW
B) Huffman
C) Run Length
D) Burrows Wheeler

5. To represent fixed length symbols with variable length codes, which algorithm we can use ?

A) LZW
B) Huffman
C) Run Length
D) Burrows Wheeler

6. To represent variable length symbols with fixed length codes, which algorithm we can use ?

A) LZW

B) Huffman

C) Run Length

D) Burrows Wheeler

7. Which of the following are Lossless Compression Algorithms ?

A) LZW

B) Huffman

C) Run Length

D) All of the above

8. Huffman algorithm produces an optimal prefix-free code.

A) True

B) False