CS311 - ADA S-Dec-2023

WEDNESDAY

two lists

118

Cost = 16 + 10+5 = 31 (Optimal)

3

Revision:-6-Dec-2023 thursday (1)

04	plimal	Me	ige_	Solution	
	A	В	C	Las .	
	3	8	770	O(n+m	1)
	8	9		->mc	re than
	18	11,	. 19	@ List	- A
	70	16	-	Size	
	•	m	8,01).	(ii
②	\ () (e) (e)	3 /	
	(ost=11	+5+	16 = 37	Uda

= 40						
→ 61.02.00 T						
11st x1 x2 x3 x4 x5 Size 20 30 10 5 30						
5 10 20 30 30 Xy X3 X1 X2 X5						
(60)						
33						
(45)						
Cost = 15 +35 +95+60						
100 = 8 × 01 = 2118 10107						
asout in oscending order						
odded value must get						

$$\sum_{i=1}^{n} \frac{1}{2} \frac{1}{2}$$

-> a compress technique

parenty does not guarantee optimal solution.

- message +> BCCABBODAECCBBAEDDCC.

Total Bits = 25 x 8 = 160 Bits

· Distance from Root

1- Encode then

2. Decode ...

the size.

FLYED SIZE CODING

character	Freg
· A /	3
3	5
€(∂)	6/
D \	24
B Car	8/
Encode Encode	20.
Encode	+
	6

000 001 9 (3x3)
001 10 10(5x2)
010 11 12(6x2)
011 01 8 (4x2)
100 000 12 (8x3)

-> 18 8its = SS ->45(Ecodo

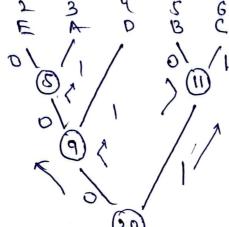
Total Bits = 10 x 3 = 60 Bits

Decode

Total BILs = 55

0 Total = 55+60= 115 BID

1) Sorting in Ascending Order



Right Side=1 Left Side=0

Encode = 45 Bits

Total = 97 Bits

(3)