

CODING and DECODING

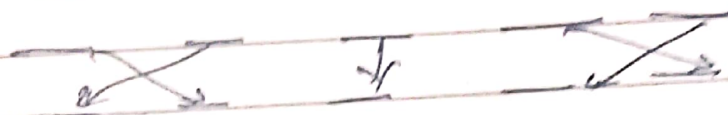
Type-1 \rightarrow simple inc/dec.

Type-2 \rightarrow MIN OF both (inc/dec)
 $+1 \quad -1 \quad -2 \quad +2$

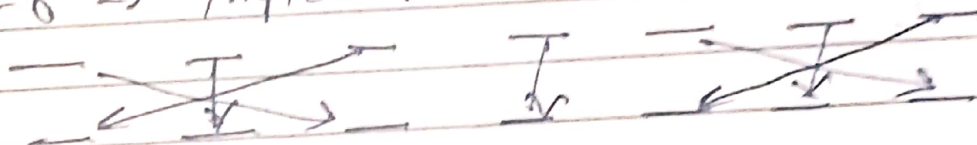
Type-3 \rightarrow complete reverse
 SATISH \rightarrow HSITAS.

Type-4 \rightarrow pair reversing
 S A T I S H
 S H T I S A
 $\underbrace{\quad\quad}_{+1} \quad \underbrace{\quad\quad}_{-1} \quad \underbrace{\quad\quad}_{+1}$

Type-5 \rightarrow double cross (cmp)



Type-6 \rightarrow triple cross.



Type-7 : V & C (vowel & consonant)

S A T I S H
 A | S T S H
 $\underbrace{\quad}_{\text{vowel}} \quad \underbrace{\quad\quad\quad}_{\text{consonant}}$

Type-8 \rightarrow vowel place coding.

A E I O U
 1 2 3 4 5

O X C I E
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 4 2 3 3 2

Type-9 \rightarrow S A I I S H
 \rightarrow H Z Q R H S

opp condn \rightarrow both sum will be 27. $\frac{10+19+8=27}{\quad}$