Practice Serion

 $\rightarrow max(a) = 10$ (labe")

(labe")

(def") [("o","b","c"], ("d", "e", "f"]] A letter some, 2 diff

NISSI SSIPPI — (1)

A options cases — (Addition)

M > 1

P > 2

S > 4

A letters some, 2 diff

(3) 2 (etters some,

2 letters same, 2 diff

All 4 letters same diff.

either S is picked on I 18 picked.

rearrang ements

T= 2*1

revrangements
= \frac{4!}{2\2\z}

T= 3x 6

3 letter same = $\frac{3}{30}$ = 3

xearrangements:= $\frac{4!}{3!} = 4$ $= 4 \times 3 \times 3$ = 24

 $2 \text{ diff} = {}^{3}C_{2} = 3$ $= {}^{3}C_{2} = 3$ $= {}^{3}C_{2} = 3$

4 different Characters

rearrangements = 141

$$Final = 2 + 24 + 18 + 108 + 24$$

$$= 176$$

$$\Rightarrow PA$$

$$\Rightarrow CC$$

$$\Rightarrow PS$$

$$\Rightarrow NN$$

chwre

ch