Assume weight of cable is constitute per hurizontal $\sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{k$ HA = H3 5 Fy7 = 0 VA + VB - 100 × 10 - 500 = 0 = 0 V2 IN - 500×30 - 1000×50 -0 83 = 600 650 N 4 1 4 VA = 1500 - 650 = 850 N ... Ap Shucture is apparently statically indetermate ... Apply method of sections, just to left of C HA LLLLL TO TO A VC . . 4 7 9 4 * X *

4 6 4

$$\begin{array}{c} 2F_{y} = 0: -H_{A} + H_{c} = 0 & (\text{termini in cubb}) \\ \text{Corolling} \\ \text{C$$

A 1 %

$$\frac{2(M_D = 0)}{5} = \frac{650 \times 50 - 10 \times 50 \times 25 - 11.05 \times 10^3 \delta_0 = 0}{5}$$

$$\delta_{9} = \frac{650 \times 50 - 500 \times 25}{11.05 \times 10^{3}} = 1.8 \text{ M} \equiv$$

6). Consider only horizontal component of lenson in Cable (much larger Ma vertical)

$$H = 11 \text{ keV}$$
 $\frac{1}{1000 \times 10^{-6}} = 11.0 \text{ MPa}$

Young's modulus = 26Pa...: Strain = $11 \times 10^6 = 5.5 \times 10^{-3} = 5500 \mu E = 2 \times 10^9$

Change in length = 5500 × 10 - 0.55m

as the dip of the cable so it is likely to result in an appreciable change in georetry which und need to be accounted ... for.

Note 26 Par is a low modulus - equivalent to Nytur or porgester rope.