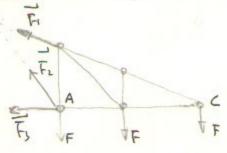
WW 9

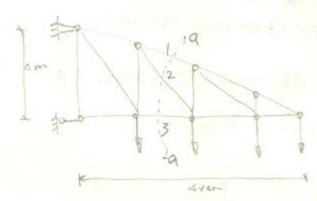
13)3·16. 苏国家家采AB,BC EF.CG,如图的京相连接。PXOADMODF=1KN, 龙A支撑反力和飞下. (963 内力大小、 こす: 内置かがみず知、モディに気がかれ 对种ABC, 智分如如何用。 Fc [And]:对A当节矩,有 F.2 - FE = . 5 - Fe8 = 0 [196], 87 BTPORTE: FE. 7. 1+ Fc. 4=0 班 批析,到神如用: => == +Fc (1) 和(2)有: {Fc=-F=-167N(V) FE= -452 Fc = 943N(1) ZFy=0 => F-FAy- = FE-Fc=0 => Fay= F- = Fc= 500 N (1) 给上: 压的为 943 N(复在), CG的的为-167 N(复花)

FAX=667N(->), FAY=500N(1)

(3)3-17, 求同示福析杂叶杆 1,2,3杆内办已知下=亚KN,同重社

服裁局 Q-Q 有地 , 罗方和如图





$$\Xi M_{c=0} \Rightarrow F_2 \frac{3}{\sqrt{13}} \cdot 8 - 8 \cdot F - 4 \cdot F = 0 \Rightarrow F_2 = 36.1 \text{ kN } (t2)$$

1373-18 用违与方法求图中桁架中指色杆的内力

Fr. 15

二年、10号分级开可矣。 1杆的零力杆.

对程体界对于前月子的方指可知。

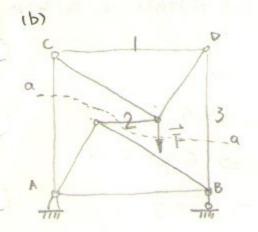
元 FB= = = F(↑) FA===== 「F(↓)

阪春南a-a右門方高体. 影内如同.有

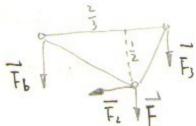
$$F_{2}$$
 F_{2} F_{2} F_{2} F_{2} F_{3} F_{3} F_{3} F_{4} F_{5} F_{5

$$\Rightarrow F_2 = \frac{1}{3}F(72)$$

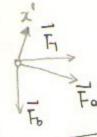
取称的 6-6右约高高 野分析如图,有



取 a-a 裁例·新罗为分析



易得:
$$F_2 = 0$$
, $F_3 = -\frac{2}{3}F(E)$ $F_6 = -\frac{1}{3}F(E)$



治文方行有.

$$F_1 = \frac{4}{3}F_b = -\frac{4}{9}F(E)$$

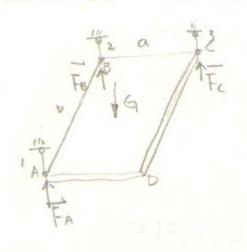
3-23. 天线由AB和AC从抗作AD的成,缺口下下服在OYS车面目与OY平行。下午的以 成指线 及支柱复列后8分。

一的夏节与 在多季科如图:

$$\overline{z} F_y = 0 \Rightarrow \frac{\sqrt{5}}{2} F_5 - F = 0$$

$$\overline{2}F_{8}=0 \Rightarrow 2 \cdot \overline{2}F_{1} = \frac{1}{2}F_{3} \Rightarrow F_{1} = \overline{F_{2}} = \frac{F_{3}}{2\sqrt{3}} = \frac{1}{3} \times N (\overline{E})$$

3-15.与新和ABCD 多度a.可能 b. 多日,ABC : 每用 轮靶的链悬柱, 求三种功



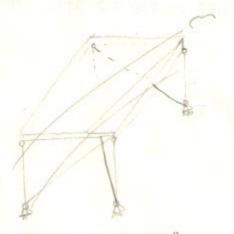
$$5 \neq 1$$
 $\geq F_8 = 0$ \Rightarrow

$$F_{A+} F_{B+} F_c = G$$

$$\geq M_{AB} = 0 \Rightarrow G \cdot 0 = F_c \cdot 0$$

$$\Rightarrow F_c = \frac{G}{2}$$

3.26 周示知识的 文标图杆及撑, 已知下, 电台杆内力



$$\overline{Z} M D F = 0 \Rightarrow F_4 = 0 \Rightarrow F_4 = F_2 = 0$$

$$\overline{2} M_{AD} = 0 =$$
 $\overline{5} F_8 = 0 =$
 $\overline{5} F_8 = 0 =$

$$F_5 = -F$$

$$F_1 + F_5 + F_5 + F_5 + F_5 = F$$