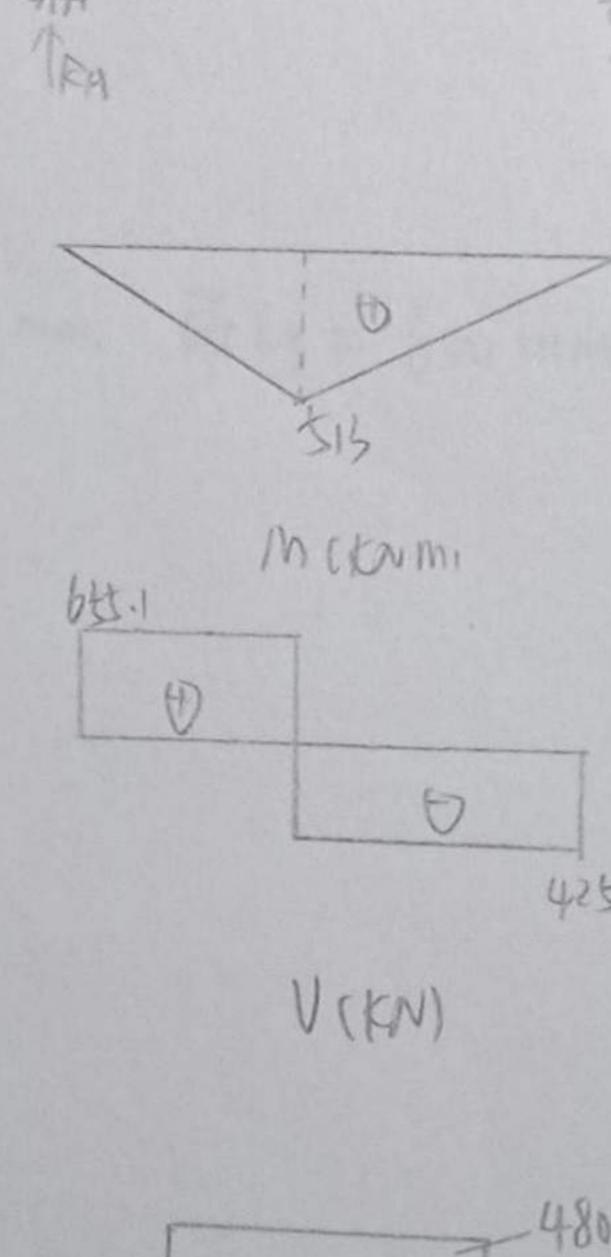
# 2.1府際計場

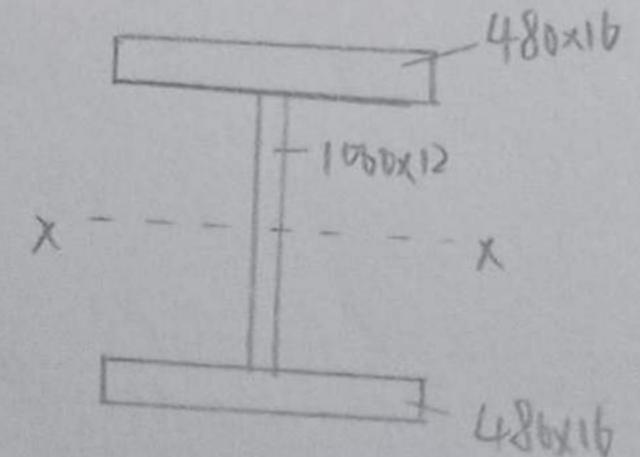
解: 四内的背

$$P_1 = \frac{1}{2} + \frac{1}{h_1} = \frac{100}{2} + \frac{150}{0.783} = 1080.1 \text{ KN.}$$
 (hi=781时,  $P_1 = (083.3 \text{ KN.} P_2 = -583.3 \text{ KN.} P_3 = -583.3 \text{ KN.}$  ) 放防锈的硬 hi=783 mm 时初时等. 泥谷别的(路)

# 回截的新达计算.

$$W_{x} = \frac{I_{x}}{t_{0x+16}} = \frac{496x_{10}^{9}}{t_{16}} = 9.61 \times 10^{6} \text{ mm}^{3}$$





园现的分别和对对的水的表子。1、对脑板型= 1000 = 83.3 = 124% = 124. 即腹板电结中的效.

### 日全国国际政治

# 1"上量特别地和现象成为

$$\int_{M_{N}} \int_{N_{N}} \frac{1}{N} = \frac{515 \times 10^{6}}{1.0 \times 9.61 \times 10^{6}} = 53.4 \, \text{Mmm}^{2} = f = 215 \, \text{Mmm}^{2} \quad \text{Ct} = 16 \, \text{mm} = 16 \, \text{mm}^{2}$$

# 了用数极级电影和天际地方。

# 3° 限和计算高度边缘局都在20.

a= 500 mm, hR=0, hy=16mm, => 62 = a+5hy+2hR=500+5x16+2x0=580 mm.

生二·0, Dmix=1、tol Rmx, 二1.5×1.05×1600=2520 KN. (山水的限1.05), tw=30mm.

# 4°P、179种面面腹板和翼缘效数的折割的

$$\sigma = \frac{m}{2xy} = \frac{513 \times 10^6 \times 500}{4.96 \times 10^9} = 51.7 \text{ Mmm}.$$

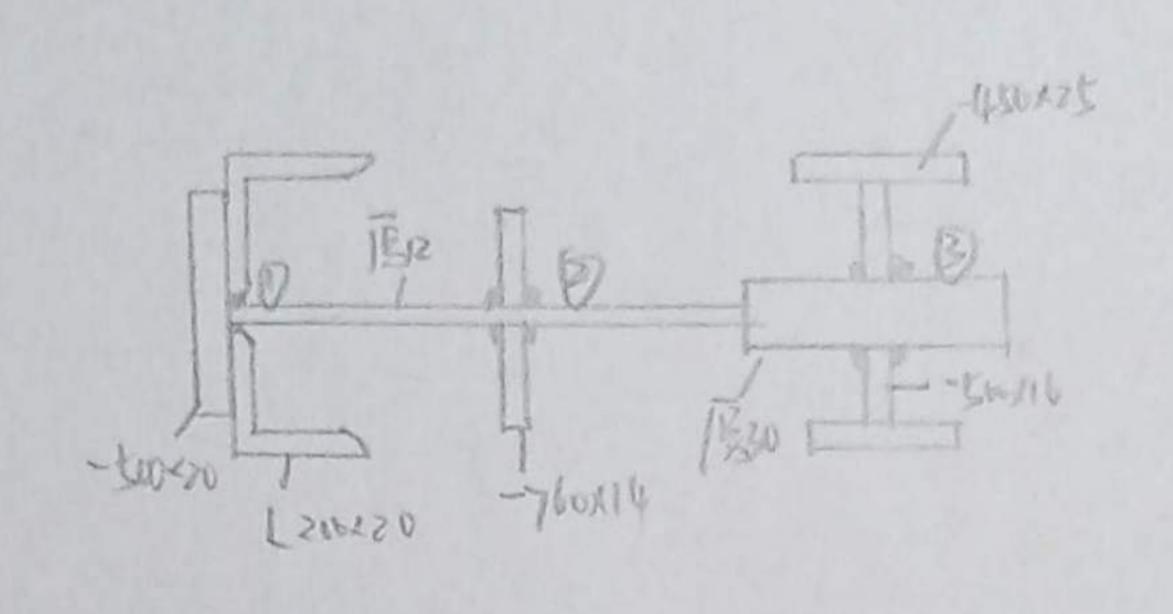
$$\tau = \frac{VS_{x}^{*}}{I_{x}+w} = \frac{bxc_{1}x_{1}b^{1}x_{2}}{4x_{9}0x_{1}bx_{2}x_{1}x_{2}} = 42.94^{\circ}.x_{1}y_{mm^{2}}$$

$$= \int \partial u + \partial u$$

### 田兴军锋级计

洋酸蜂蜂和而图中 6. 自. 自处所介.

对吸燥, 联第150 15 by1 kW.



th f 315/fk=15×√20=6.7mm, 且hf=1.2×20=26mm. 取hf=7mm.

=> he=0.7hf = 4.9mm, ffw = 160 Nmm2.

=) Elw = 
$$\frac{V}{heffw} = \frac{655 k uo^3}{49 \times 166} = 835.6 mm. R11 lw = \frac{Elw}{2} = 417.8 mm.$$

=) 
$$\sigma = \frac{V}{he \epsilon in} = \frac{6 t t \cdot 1 \times 10^3}{4.9 \times 486 \times 2} = 137.5 * Mmm^2 < dff = 0.92 \times 160 = 147.2 Mmm^2, 5/37.6$$

对败绿绿. 期象 P1=1080.1 KN.

hg 215/12=1.5×14=5.6mm. hf 51.2t庫=1.2×12=144mm. 取かラフmm.

$$he=0.7Nf=4.9mm.$$
 =>  $\geq lw=\frac{P_1}{heff^w}=\frac{10801\times10^3}{4.9\times160}=1377.7mm.$ 

三年经验, > Luz = 24 = 344.425 mm. 62=lw+2hf=358.425 mm, 取 62=400 mm.

lw= 62-2hf=386mm < 60hf=420mm.,不需要打破第。

对败姆猛,其高湖南 Dhay 和 V = 425KN. COP N = Dmox + V = 2520 + 425 = 2945KN.

hf715小幅=1达×130=82mm, hf =1.2×16=19.2mm. 取h=10mm

 $\Rightarrow$  he=0.7hf=7mm.  $\Rightarrow$   $\geq l_{m}=\frac{N}{heff}=\frac{2945010}{7\times160}=2leq.5 mm.$ 

lug= 辛= b57.375mm. ⇒ ly=lu+2hf= 677.375mm. 即13=700mm.

Lu=7002hf=681mm760hf=600mm, 政席越折继続。

26=17-1804=1-7-1800=0-933.

別のこれ = 154.7 Mmm² 74ffw=148.8 Mmm² 再取りを=12mm.

he=0.7hf=8.4mm. ,=) ZW= N/heffn = 2191.2mm.

⇒ lwg = = 547.8mm. = 12= lw3+2hf=571.8mm. 取13=600 mm.

lw3=b3-2hf=576mm <60hf=720mm. 1993.

强此高深面面强度破断、消散、静心的。

#### 2.2部深计第一1

爾: 0内が背

验解除强度的。超频的解析的解析,随其解释服务强度的心理。超量最初的的解析,是一种的对象不够重要的

川南部横到阳河南城

如奶奶啊

编写python程序得课的舒展感应Mk.mw.和影Uk.mw.(的短曲)。(调码)

MEMOX = 3138.95 KN.m. VK.MOX = 12\$1.64 AN.

CD/横向姚阳

那班处的岭南镇:

其相对置与坚固死任何的,因此,横向相相下产生Mey和延敏感动化.

May = 0.1MKmax = 313.895 KN·m. AA HK = 0.11 VKmax = 128.164 KN.

四洲新新河河

如粉粉

风海船, 哪样

MK-nox = 2060.54KW-m.

VK.mcx = 911.84KN.

根据此计等,汇总由加州有环分,其中门为加州疆、解释重加出的的所载的随直行、

帮治数.	茶	MKMW CKN'M1	Minax	Mky (brim)	My	Vkmen (FN)	V WI
两份	P7	313895	1-1×1-5×313895 =5179.27	313895	1.5x31.895 = 470.8	1281.64	1.1x1.tx1281.64 = 214.7
	国重	0.65x2128.95 = 156.95	1.2×156-95 2204.04			= 641 = 641	1.3×64.1 = 83.37
	٤	32954	5383.31			1345.74	2198.03
-42	B4	2060.54				911.84	

### ②截面加州超级计算.

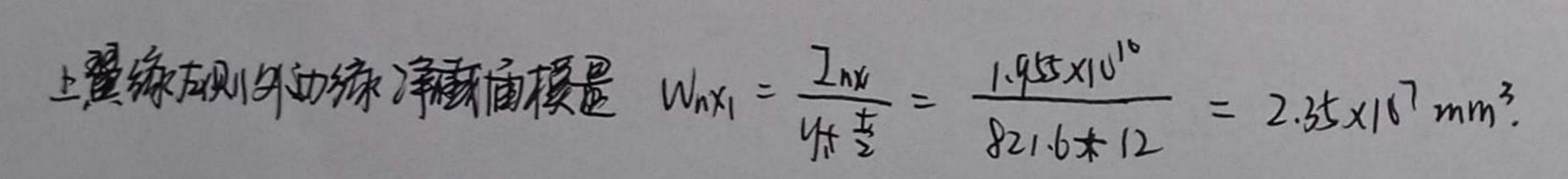
#### 明解课

毛面值慢性短点: 1x=15x14x16003+2x24x500x(80+1212=206x1010 mm4.

清颜面面积: An = 1500-22021X24+c50-22/X24+1600X14 = 10944+11472+22400 = 44816 mm².

海海南州尼置川 = 11472×1624 + 2240×812 = 821.6mm,

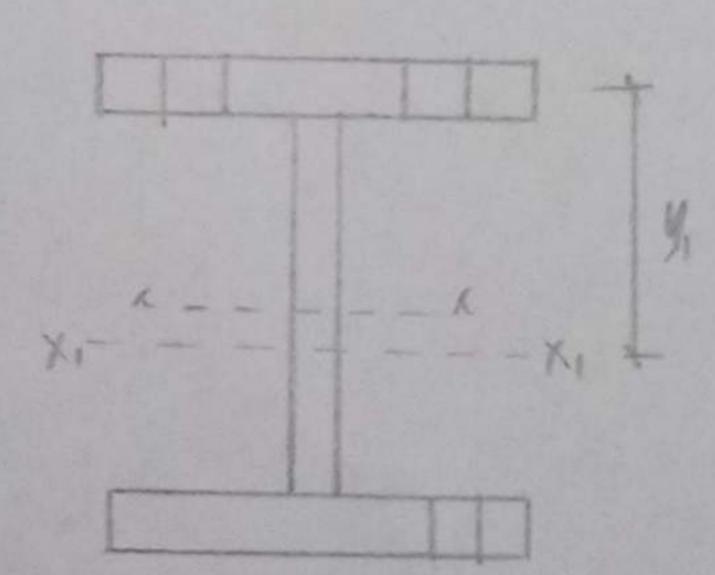
清極情候形に Jnx1 = 古メ14×16003 + 22400×9.62 + 10944 x 821.62 + 11472× 11624-821.612 =1.953 ×1010 mm4.



料理面对对的影响。 Sx = 500×24×812+800×4×400 = 1.42×107 mm?

#### 凹舶砌深

7年前面配:Anz = 24x(500-22x21 +360x8 +1950x2 =10944+6886+3860) = 21684 mm².



## 截面和多解那个形线间的短流

7数確なこいいか. 140=A·14。

### 对物的海额面积 (特深)

回面脑岛

山強國警

限的功务局部成功  $G_c = \frac{4\Gamma}{4ztw}$ .  $G_c = G_c + 2h_c + 5h_y$ .  $G_c = 50mm$ ,  $h_c = 150mm$ ,  $h_y = 24nm$ .

(2=0#30+2x15)+5x24=470mm. 新遊艇探制部,破生小步。

=> Oc = 1.35×1.1×1.5×324×103 = 109.7 Mmm² < f = 305 Mmm² (t = 14mm < 16mm).

四姬强等

下翼物团的强略松跃接下路冰平级将处的到标金属。

DT = TINKIY = 2060/100 N 1624 - 821-6+121 = 85-84 Nmm2.

搏幅局计算的两种弹簧线、出处为22类,虚形表2.11. => COODEX169=144 Mmm.

殿教養產和2,434年中一0.8.

⇒400= 0.8×8は84=68672×1mm² ≤ LAOJCOXIOS =144×1mm², 海酸病。

# 多拉翼物和数峰级

00 = Mx y = 206054×106 ×1624-821.6-12) = 82-31 polmn².

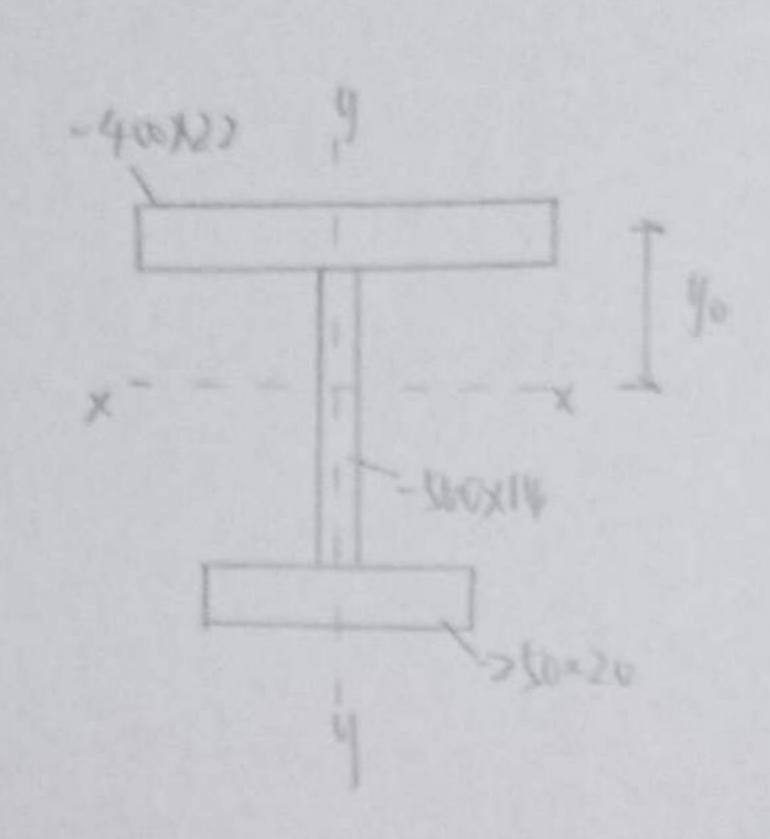
图理,在如果和15年的题目来给路里的中山地里最低的形分之长度.

=> CDD2X106 = 100 Mmm². , 且2=0.8.

→ of at = 6·fx83·31 = 66·64f Mmm² = trotTex101 = 100 Mmm². 南腹下。

绝波科佛画施图和服务强度彻底处理。

# 23. 解附于2



# 基础和亚则的城

$$W_{nx_1} = \frac{Jx}{47t^{\frac{2}{2}}} = \frac{1.636 \times 10^9}{215 + 11} = 4.625 \times 10^6 \text{ mm}^3$$

$$W_{hx_2} = \frac{1x}{321-40+10} = \frac{1.036x10^4}{521-213+10} = 3.26 \times 10^4 \text{ mm}^3.$$

# 横向地南新汉加盟军和担, 政、外第七盟统制和沟像的较短;

#### ②強壓等

### 对战务和则的城:

$$\sigma = \frac{N_{X}}{W_{MR}} + \frac{N_{Y}}{W_{MY}} = \frac{361 \times 10^{6}}{4.62 \times 10^{6}} + \frac{100 \times 10^{6}}{5.87 \times 10^{5}} = 235.2 Mmm^{2} \supset f = 205 M/mm^{2}. (t = 22 mm)}{716 mm}$$

#### 对飞统:

## 强够得不减少。

# 图 磨碎碳麴酯等

重翻排稿。特了= Liti = 6000x22 = 0.669. > 30=0.73+0.183=0.73+0.1810-69=0.84.

### 整体和一种的最好证:

74 = 12x22x4603+ 12x20x2563 = 1.45x108 mm. A=400x22+506x14+250x20 = 20801mm.

$$iy = \sqrt{\frac{24}{A}} = \sqrt{\frac{143 \times 10^4}{24800}} = 82.92 \text{ mm}.$$
  $\lambda y = \frac{16y}{iy} = \frac{6000}{9292} = 72.36.$ 

16=0.8(206-11. 26= 11-12, 7=1=12x22x4603=1.17x108mm4. I=12x20x2603=26x107mm4.

⇒ do=0.818, 1p=0.8(2db-1) = 0.8x(2xa818-1)=0.5088.

$$=)$$
  $96' = 1.07 - \frac{0.282}{100} = 1.07 - \frac{0.282}{291} = 0.973$ 

$$\Rightarrow \frac{10x}{40xx} + \frac{10y}{40y} = \frac{300x10^6}{0.975x460x10^6} + \frac{100x10^6}{587x10^5} = 237 \text{ Mmm}^2 7 f = 2054/mm^2.$$

#### 整体稳取满处.

#### 图 刚废城第.

$$M_{KX} = \frac{M}{2 + 6} = \frac{300}{1.05 \times 1.5} = 190.5 \text{ KNM}.$$
  $E = 200 \text{ Gpa}.$ 

=) 
$$V = \frac{Mext^2}{10E2x} = \frac{1905x10^5x6000^3}{10x266x10^5x1.036810^9} = 3.21 mm = [V] = \frac{6000}{900} = \frac{6000}{900} = 6.67 mm.$$

田脏翻得

多种种效性性外的

00= Mxxy = 190.5x10b x (\$11-2131 = 54.79 Mmm².

產和-12.4号→6=0.5. 产组开展87cm. 推露不利. 再为25类. 即 C100 J2101 = 100 Mmm².

=> 27.395 Mmm² = LAO Zerol = 100 Mmm².

疲勞強度滿難。

的也,此解除強威和强威和强威斯。