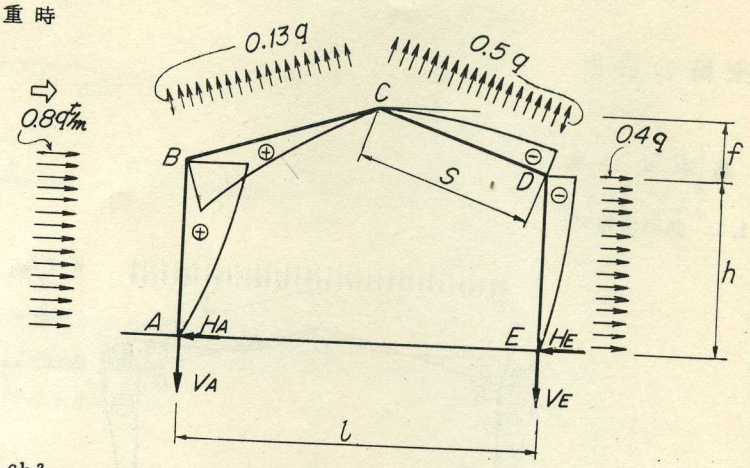
2.1.2 水平荷重時



$$V_A = -q\left\{\frac{0.6h^2}{l} + 0.214S + 0.0552\left(h+\frac{f}{2}\right)\right\}$$

$$V_E = -q\left\{-\frac{0.6h^2}{l} + 0.39S - 0.0552\left(h+\frac{f}{2}\right)\right\}$$

$$H_A = -\frac{q(0.7h^2+0.8hf+0.0754\,s\,l+0.053sh+0.0079fs)}{h+f}$$

$$H_E = -\frac{q(0.5h^2+0.4hf-0.0754\,s\,l+0.053sh+0.0983fs)}{h+f}$$

$$M_B = -(H_A\cdot h + 0.4q\cdot h^2)$$

$$M_D = H_E\cdot h + 0.2q\cdot h^2$$

$$Q_{BA} = -(H_A + 0.8q\cdot h)$$

$$Q_{DE} = -(H_E + 0.4q\cdot h)$$

$$N_{BC} = -V_A\cdot\sin\theta - (H_A + 0.8qh)\cdot\cos\theta$$

$$Q_{BC} = V_A\cdot\cos\theta - (H_A + 0.8qh)\cdot\sin\theta$$

$$N_{DC} = -V_E\cdot\sin\theta + (H_E + 0.4qh)\cdot\cos\theta$$

$$Q_{DC} = -V_E\cdot\cos\theta - (H_E + 0.4qh)\cdot\sin\theta$$

2.2 鉛直荷重時

温暖地域

h＝3.5m

応力記号 ＼ 張間 l(	
W (t)	D. L
	D.L.+S
$V_A = V_E$ (t)	D
	D+S
$H_A = -H_E$ (t)	D
	D+S
$M_B = M_D$ (t・m)	D
	D+S
$N_{BC} = N_{DC}$ (t)	D
	D+S
$Q_{BC} = -Q_{DC}$ (t)	D
	D+S

普通地域

h＝3.5m

応力記号 ＼ 張間 l(	
W (t)	D. L
	D.L.+S
$V_A = V_E$ (t)	D
	D+
$H_A = -H_E$ (t)	D
	D+
$M_B = M_D$ (t・m)	D
	D+
$N_{BC} = N_{DC}$ (t)	D
	D+S
$Q_{BC} = -Q_{DC}$ (t)	D
	D+S