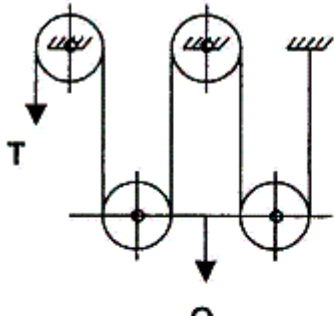
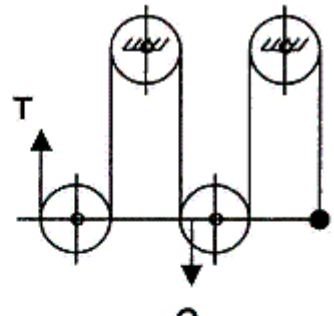
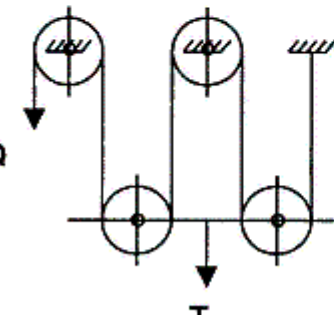
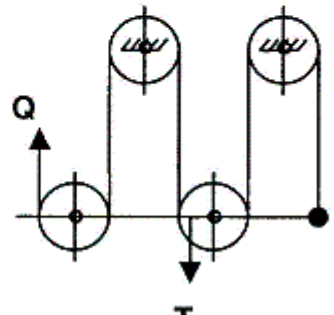


附表三 槽輪效率 η_v

<p>(1)</p>  <p>$n = 4$ $i = 4$</p> $\eta_{v1} = \frac{\epsilon(1-\epsilon^n)}{n(1-\epsilon)}, T = \frac{Q}{n\eta_{v1}}$	<p>(2)</p>  <p>$n = 4$ $i = 5$</p> $\eta_{v2} = \frac{1-\epsilon^{n+1}}{(n+1)(1-\epsilon)}, T = \frac{Q}{(n+1)\eta_{v2}}$
<p>(3)</p>  <p>$n = 4$ $i = \frac{1}{4}$</p> $\eta_{v3} = \frac{n(1-\epsilon)\epsilon^n}{1-\epsilon^n}, T = \frac{nQ}{\eta_{v3}}$	<p>(4)</p>  <p>$n = 4$ $i = \frac{1}{5}$</p> $\eta_{v4} = \frac{(n+1)(1-\epsilon)\epsilon^n}{1-\epsilon^{n+1}}, T = \frac{(n+1)Q}{\eta_{v4}}$

備註：式中之 n 、 T 、 Q 、 i 、 ϵ 、 η_v 分別表示下列之值：

n ：槽輪數

T ：拉力

Q ：荷重

i ： T 與 Q 之速度比 = $\frac{T\text{之速度}}{Q\text{之速度}}$

ϵ ：鄰近鋼索與鋼索之張力比

η_v ：槽輪效率