$L = 5 \text{ [m]}$

$q = 15 \text{ [KN/m]}$

$E = 210 \text{ [GPa]}$

$I = 200{,}000 \times 10^4 \text{[mm}^4\text{]}$

$EA = \infty$

$L$

$L/2$

$L$

$L$

$L/2$ $L/2$

$q$

$q$

$B$

$60°$

$A$

$\dfrac{q}{4}$

$P = qL$

$2L$

$2L$

$2L$

$L/2$