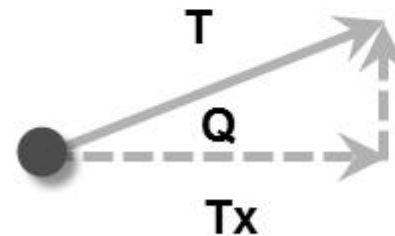Fw

As angle Q gets smaller,
Tension on ends gets greater.
As Q gets very small, Tension
gets very large.

T

Q

Tx

$T_y = F_w/2$

$T = T_y / \sin(Q)$
$T = F_w / 2\sin(Q)$