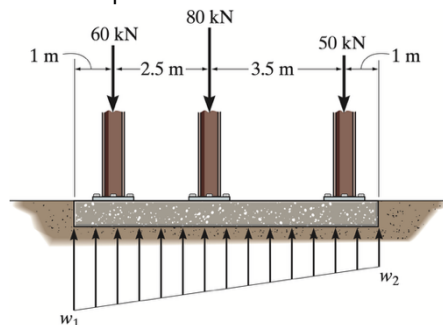


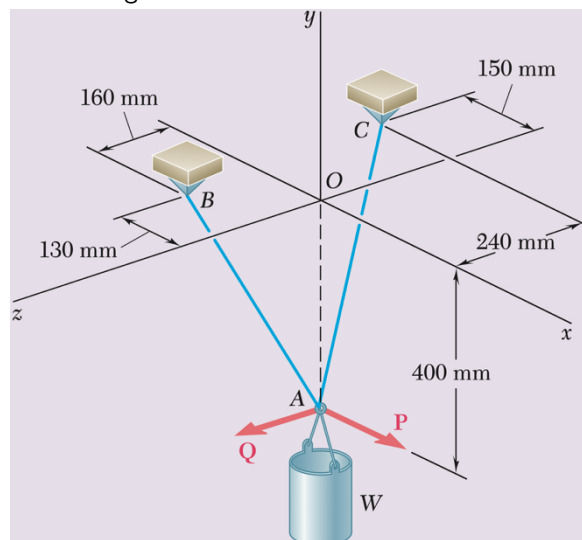
Quiz 2

for the ENS161 B5-1 and B6 classes offered in A.Y. 2025-2026 S1

Problem 1. A concrete footing is designed to transmit loads from three steel columns down to the soil. It is assumed that the soil exerts a distributed upward reaction whose intensity varies linearly as shown.



Problem 2. The container is supported by cable BAC that passes through a frictionless ring at A , and two forces P and Q taken to act at the ring.



Problem 3. A rectangular raft is to be analyzed when loaded with multiple persons, approximating the weights to be concentrated forces.

