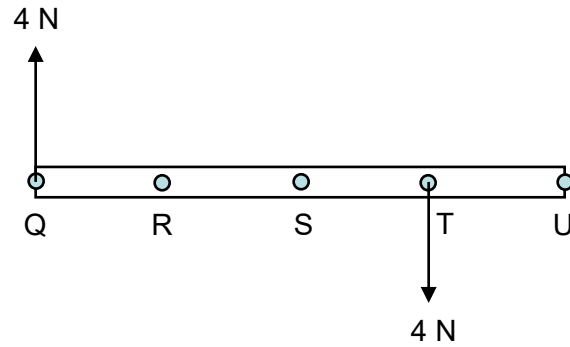


- 6 A uniform plate of weight 6 N is held horizontally by vertical forces. Forces of 4 N act at points Q and T respectively as shown in the figure below. Points Q, R, S, T and U are at equal intervals along the plate with point S located in the middle of the plate.



At what point must a third vertical force act in order to keep the plate in equilibrium?

**A** R

**B** S

**C** T

**D** U