A 3 kg slider , A, fits loosely in a in the smooth 45 degree slot in the disk shown, which rotates in a Horizontal plane about the center O. If A is held in position by a cord secured to B determine ,T, the tension in the cord fpr a constant rotational velocity of 300 rev./min, around point O in the direction shown.

**O**

150mm

A

B

45 degrees

Woulfd a reversal of the direction of the velocity make a difference?