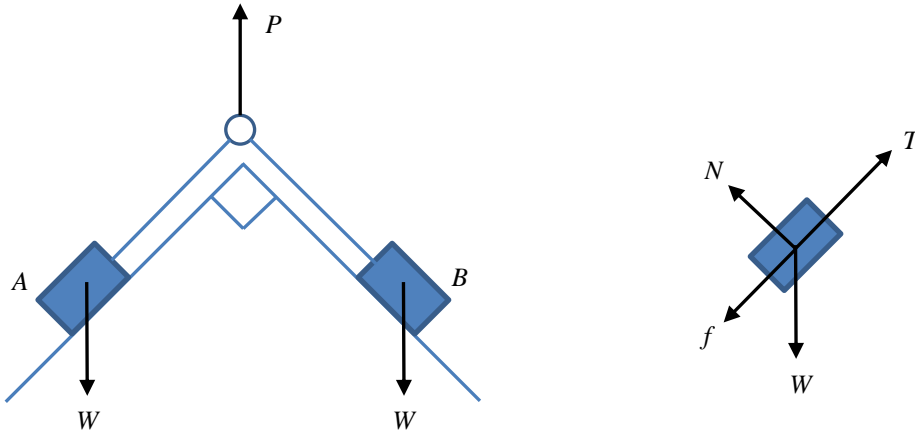4. Blocks A and B are connected by two links as shown. The force P and coefficient of friction are independently and normally distributed with $P \sim N(100, 4^2)$ N and $\mu_s \sim N(0.35, 0.002^2)$, respectively. Determine the probability that two blocks will start to move if A and B both have mass of 7 kg.

Answer: $P = 0.9658$