Below are six boxes at rest on level surfaces. The crates have different masses and the frictional coefficients between the crates and the surfaces differ. The same external force is applied to each crate, but none of the crates move. Rank the crakes on the basis of the frictional force acting on them.

A B

μ = (0.4, 0.3)

350 kg

350 kg

μ = (0.2, 0.5)

C D

μ = (0.7, 0.5)

500 kg

μ = (0.2, 0.3)

200 kg

E F

μ = (0.6, 0.2)

800 kg

μ = (0.3, 0.6)

400 kg

Largest 1. \_\_\_\_\_\_ 2. \_\_\_\_\_\_ 3. \_\_\_\_\_\_ 4. \_\_\_\_\_\_ 5. \_\_\_\_\_\_ 6. \_\_\_\_\_\_ Smallest

\_\_\_\_\_ The ranking can not be determined based on the provided information.

Explain the reason for your ranking: