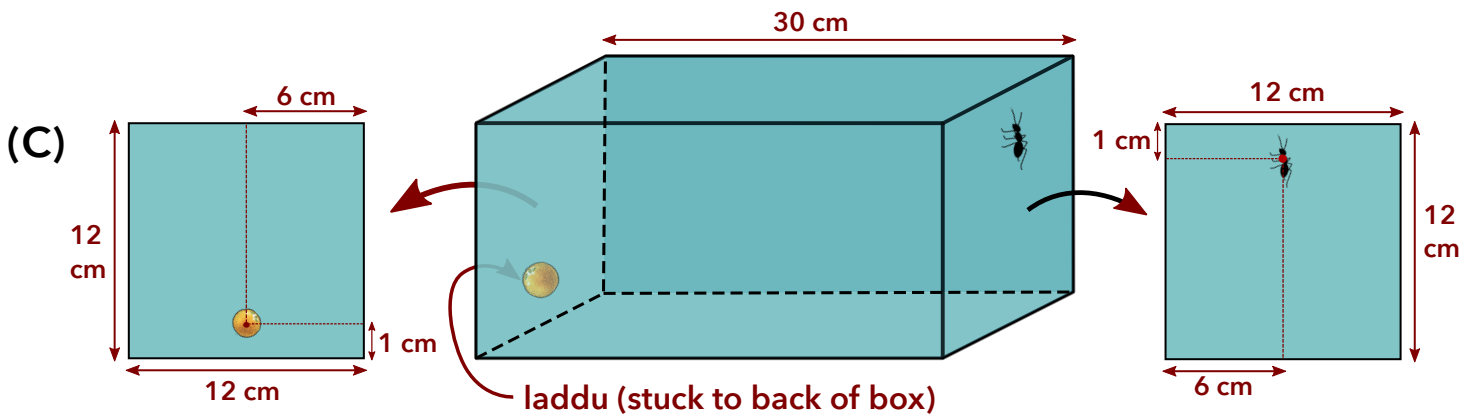
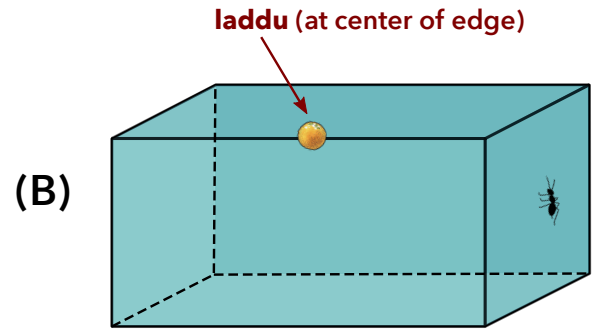
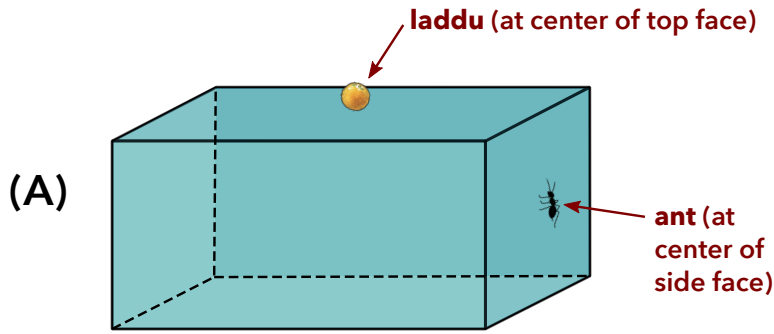


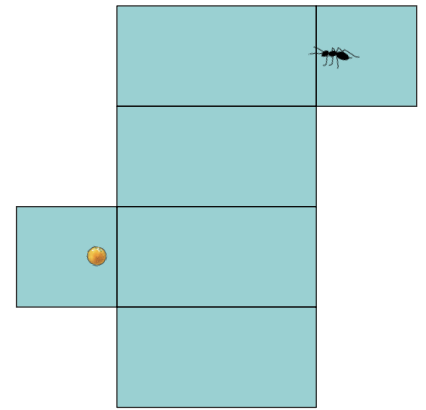
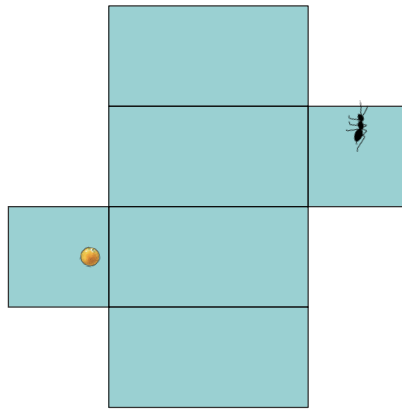
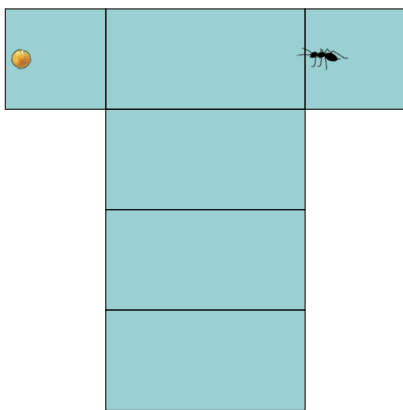
# Geodesic journey of an ant

1) Draw a shortest path from the ant to the laddu:

Hint: Imagine *unfolding* the box.



Hint: Which *unfolding* gives the shortest path?



A **geodesic** is a path that is locally straight.

Are shortest paths always geodesics?