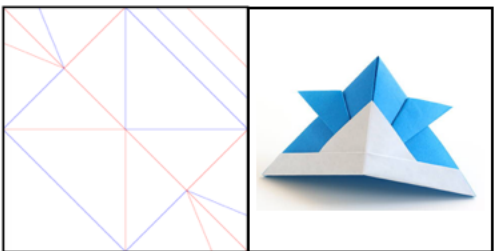


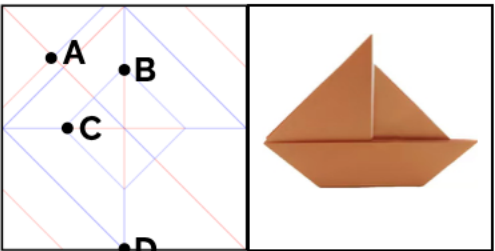
Task1: Pattern Prediction



Q: What pattern will this crease diagram form after being folded?

- A: snail B: samurai hat
C: teacup D: pencil

Task2: Spatial Relationship Prediction



Q1: After folding the sailboat, place the model on a table with the sail facing upwards. The final position of point A is:

- A: Located at the bottom of the sailboat and in contact with the table
B: Located above the sail of the sailboat
C: Hidden in the sailboat's interior
D: Coincides with point C and is located at the stern of the sailboat

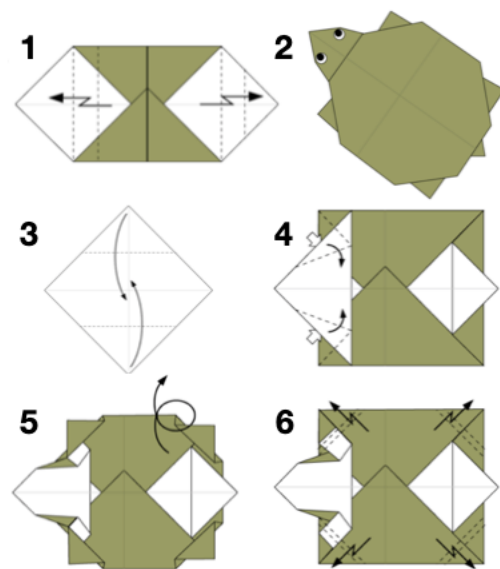
Q2: After completing the origami fold, how many layers of paper are stacked in the thickest folded part of the sailboat?

- A: 1 layer B: 2 layers
C: 3 layers D: 4 layers

Q3: After folding, in the sailboat model, which two original points have the largest distance change?

- A: A pt and B pt B: B pt and D pt
C: A pt and C pt D: A pt and D pt

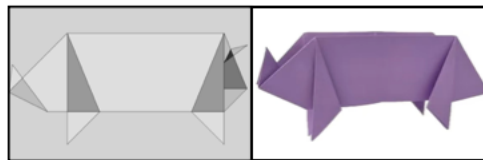
Task3: Multi-step Spatial Reasoning



Q: Which of the following origami sequences is correct?

- A: 3-4-1-6-5-2 B: 3-1-6-4-5-2
C: 3-1-4-6-5-2 D: 3-1-4-5-6-2

Task4: End-to-End CP Code Generation

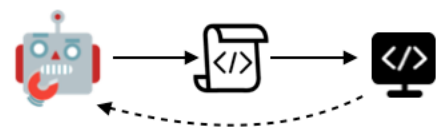


Q: Write the CP code.

Zero/Few-shot learning



Environment learning



Reinforce learning

