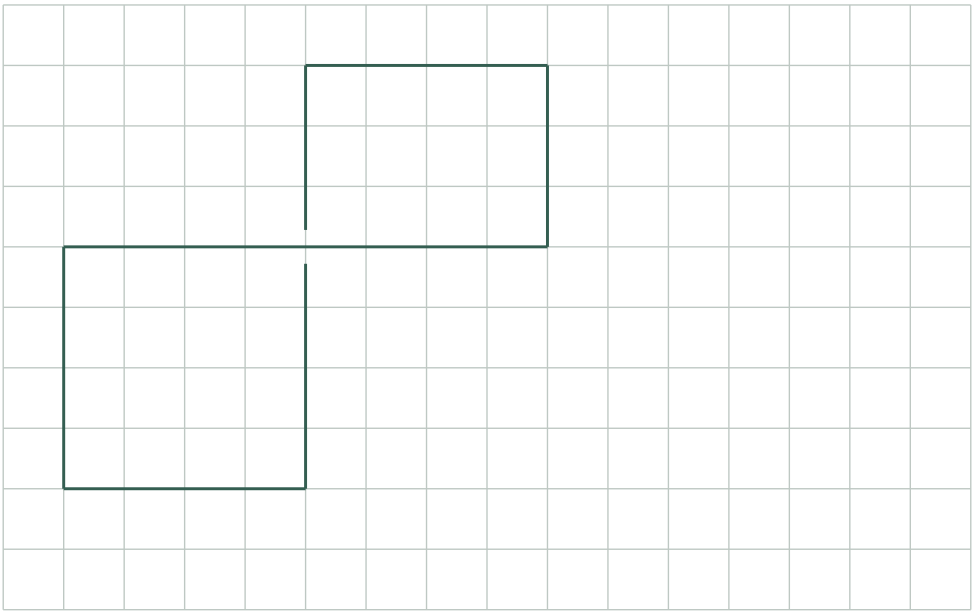
Draw Knots on Graph Paper

Reference | Worked example | LETTER

Original prompt

Draw a single-twist loop on square grid paper and show one clear over-under crossing.



Across strand on top

Answer

A closed two-lobed grid path crosses once at its waist. The horizontal strand is unbroken and the vertical strand has one short centered gap. Following that implied underpass still returns you to the start.

Reasoning

Following grid lines keeps the loop even and closed. Breaking only the lower strand at the crossing makes the over-under relationship visible and checkable.

Check

Follow the implied path across the gap and back to its start. Check that only the horizontal strand is unbroken at the crossing.