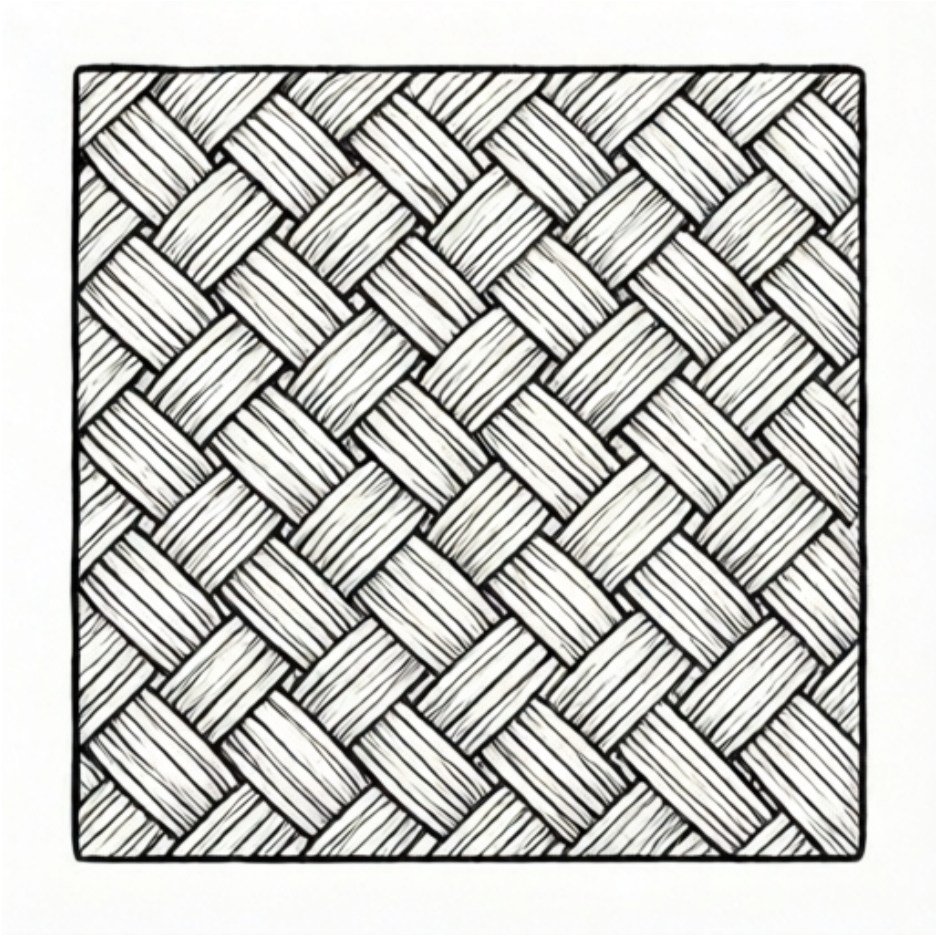
Draw a Plain Weave: Over-Under Strand Construction

Ordinary topic reference / separately checked pixels



Draw a Plain Weave: Over-Under Strand Construction

Original worked example / unchanged complete key

Prompt: A 3 by 3 grid has F1 drawn as O, U, O and F2 drawn as U, O, U. F3 is blank. State the correct F3 sequence and describe how to draw it using the vertical-over convention.

Answer: F3 must be O, U, O because plain weave repeats every second row. Draw W1 and W3 as continuous vertical lines over the weft, and break the weft at W2 so the warp passes under. Keep the same gap size used in F1 and F2.

Reason: Row F1 alternates starting with over; F2 shifts by one and starts with under; F3 repeats F1. The vertical-over convention means an O crossing has an unbroken warp line and a gapped weft line.

Check: Write the full table: F1 O,U,O; F2 U,O,U; F3 O,U,O. Confirm each row alternates and each adjacent row differs in every column.