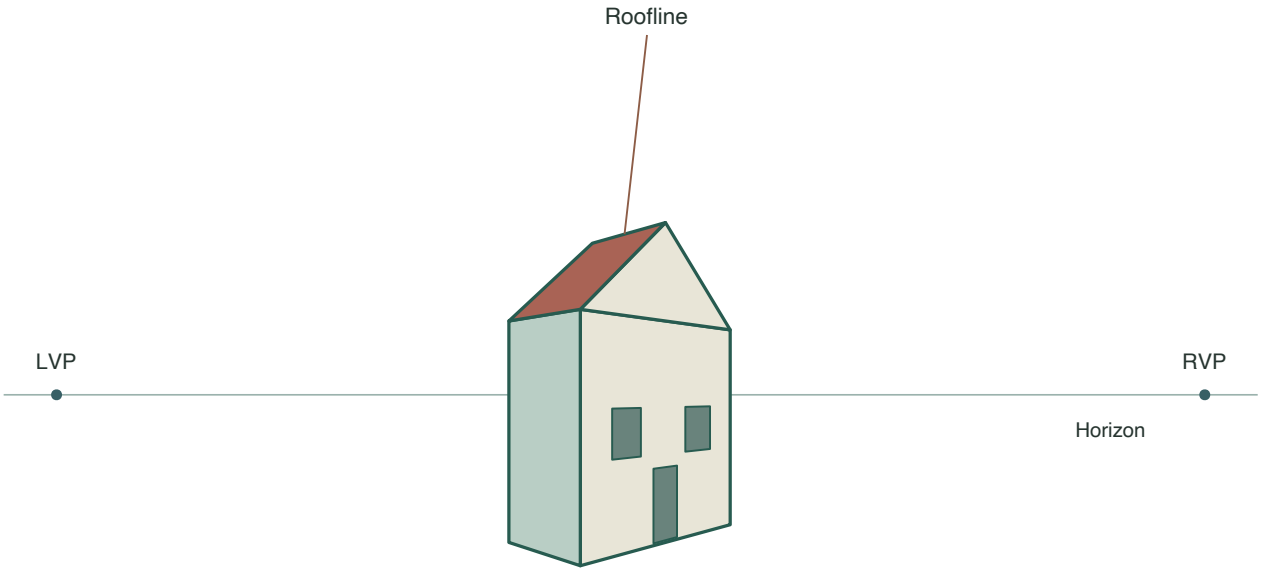
Draw Houses in Perspective

Original prompt

Task 1: Draw a single house block in two-point perspective with a pitched roof, and label the horizon line, both vanishing points, and the roofline.



Answer

Draw a vertical near corner, left wall edges to LVP, right wall edges to RVP, and far vertical edges to close the walls. On the pitched roof, send each horizontal ridge or eave edge toward the vanishing point used by parallel horizontal wall edges. Join each sloping roof-end edge from an eave corner to its ridge corner without aiming it at LVP or RVP. Label the horizon, LVP, RVP and a horizontal roof edge.

Reasoning

The walls set the two horizontal directions. The parallel ridge and eaves use the point for their direction. The gable slopes run between eave and ridge corners.

Check

Check vertical edges remain vertical. Extend horizontal roof edges to their matching horizontal direction family's vanishing point. Confirm sloping roof-end edges join the chosen eave and ridge corners; they are not aimed at either horizon point.

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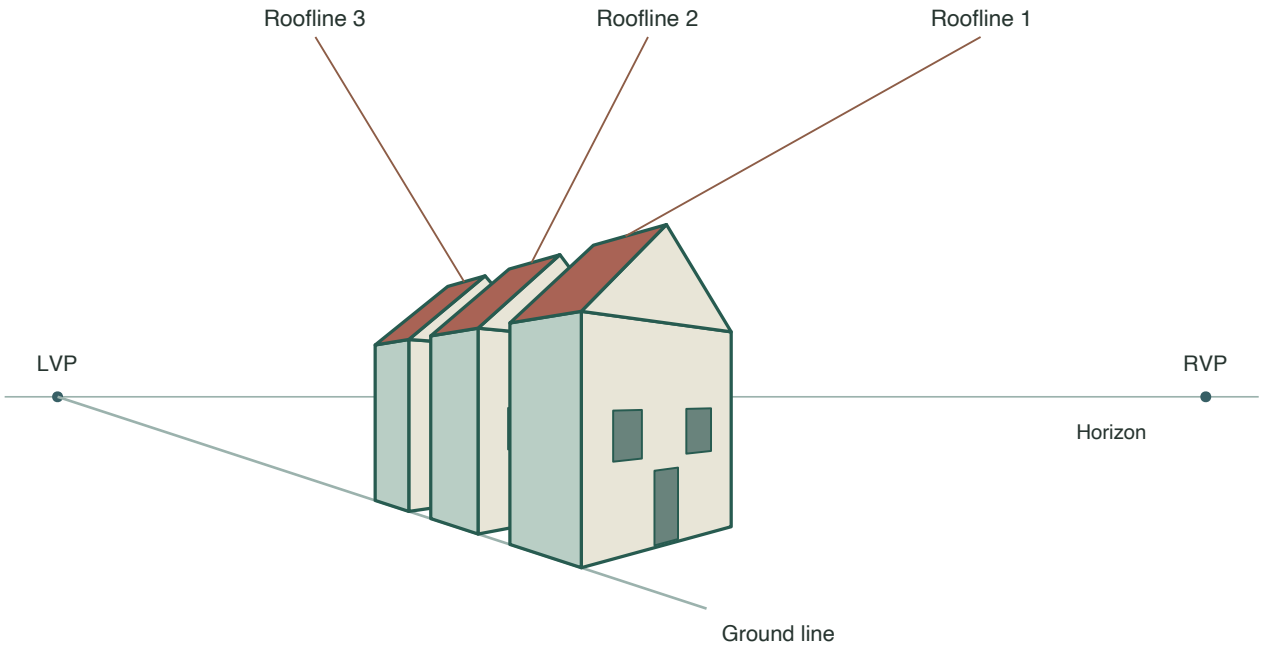
Task 2: Extend Task 1 into a row of three houses along a receding ground line, keeping both vanishing points fixed, and label each roofline.



Answer

Draw three house blocks successively further along the receding ground line toward the LVP, keeping LVP and RVP fixed. For each house, keep verticals upright and use the same horizontal direction families as the first block. Send each horizontal ridge or eave edge to the matching wall-direction vanishing point; join sloping roof-end edges between eave and ridge corners. Label the ground line, LVP, RVP, and one horizontal roof edge on each house.

Reasoning

Depth in a row comes from placing houses further along the receding ground line while keeping the vanishing points fixed.

Check

Across all three houses, parallel horizontal wall, ridge and eave edges should use the same direction-family vanishing point. Sloping roof-end edges should connect their eave and ridge corners, not be extended to LVP or RVP. Confirm the ground line and both vanishing points stay fixed.

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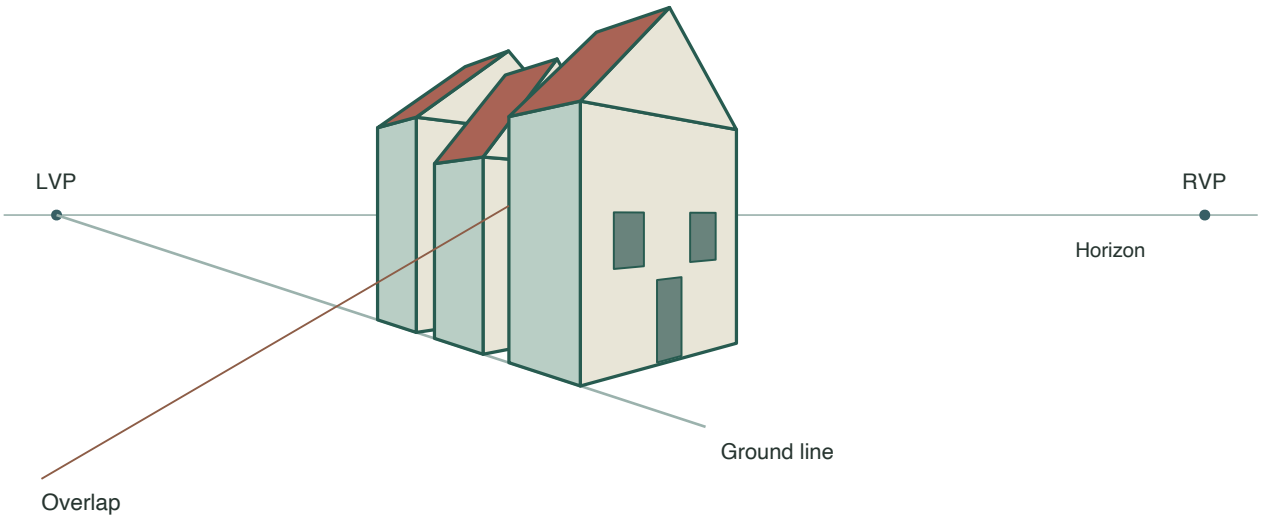
Answer | Task 3 of 4 | LETTER

Original prompt

Task 3: Redraw the row so the houses overlap and vary in height, and annotate where overlap creates depth.



Answer

A row of overlapping houses of differing heights, all on the same receding ground line and sharing LVP and RVP. Overlap points marked where a nearer house covers part of a farther one. Labels: overlap, ground line, LVP, RVP.

Reasoning

Overlap and height variation are choices that strengthen depth reading while the perspective structure stays consistent.

Check

Check that overlapping houses still share the same vanishing points and that the ground line is continuous beneath them.

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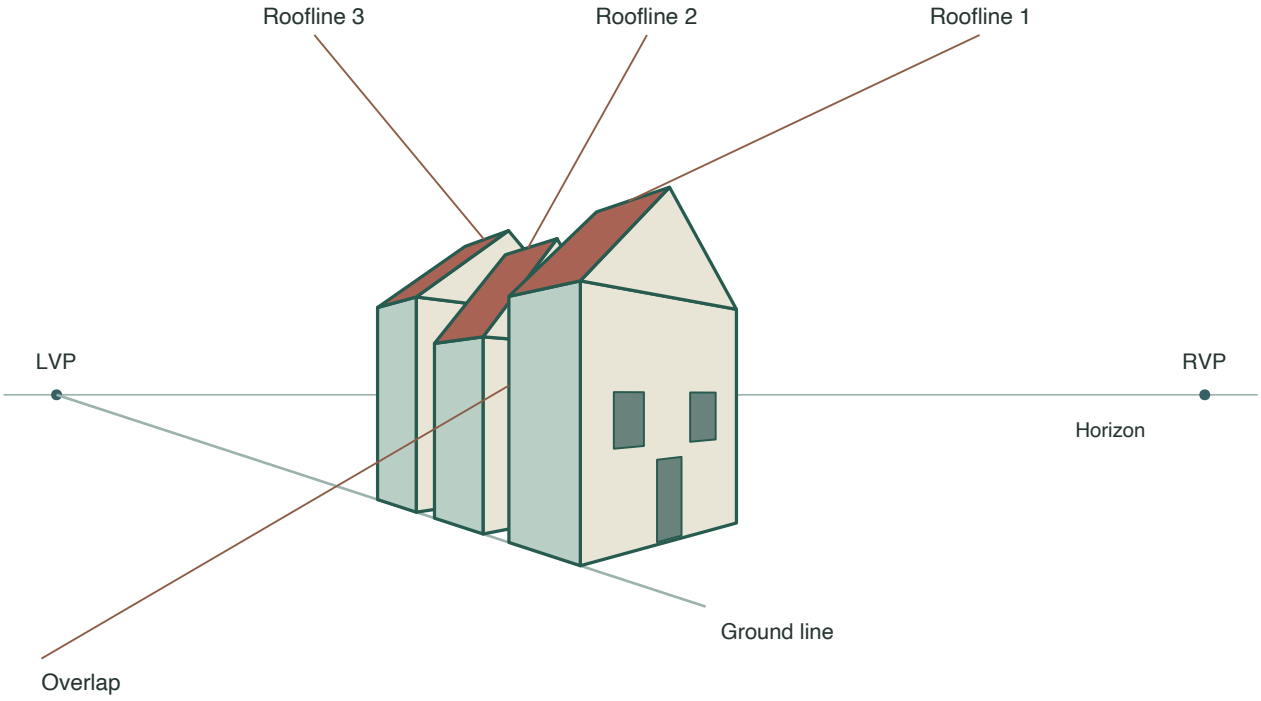
Task 4: Produce a final annotated plate of a row of houses in two-point perspective, with a short written note explaining how the rooflines and depth were kept consistent.



One horizon and one ground direction. Near houses hide parts of the farther houses.

Answer

A finished annotated plate has a horizon, LVP, RVP, receding ground line, and three or more pitched-roof houses. Label one horizontal ridge or eave edge on each house and show it following its matching horizontal direction family. Draw sloping roof-end edges from eaves to ridge corners, not to LVP or RVP. Note overlap and spacing. Written note: all houses share the two horizontal vanishing points; roof edges follow their parallel wall directions; depth comes from the receding ground line, spacing and overlap.

Reasoning

The plate combines the construction steps and the annotation, and the note states the consistency rules used.

Check

Trace each horizontal wall, ridge or eave edge to the vanishing point for its parallel direction family. Check sloping roof-end edges join the intended corners and are not aimed at either horizontal VP. Confirm the ground line is continuous and the written note matches the plate.