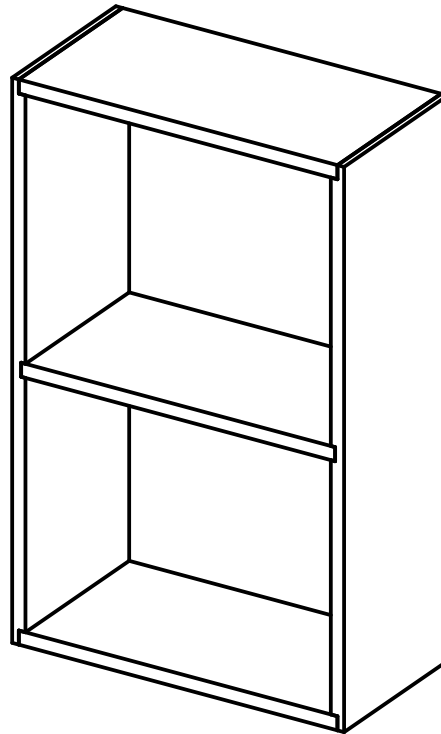


Bookshelf



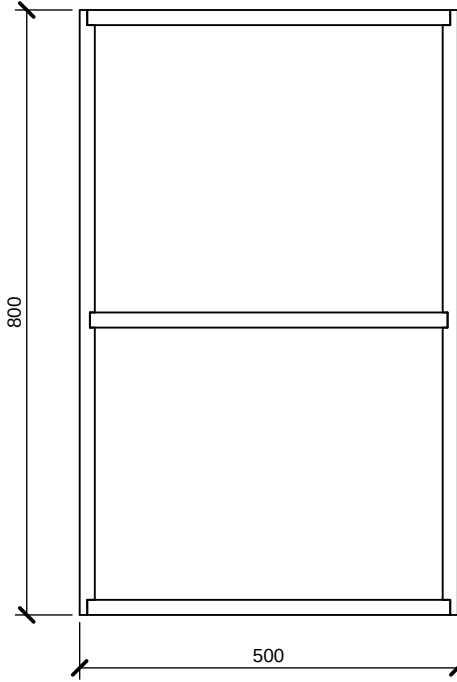
parts	5 (3 different)
overall	500 x 250 x 800 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

Contents

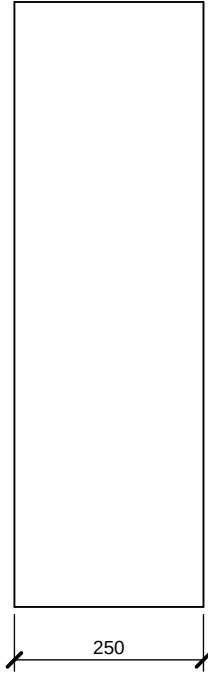
Drawings	3
Assembly	3
Parts	4
1 left_right	5
2 top_bottom	6
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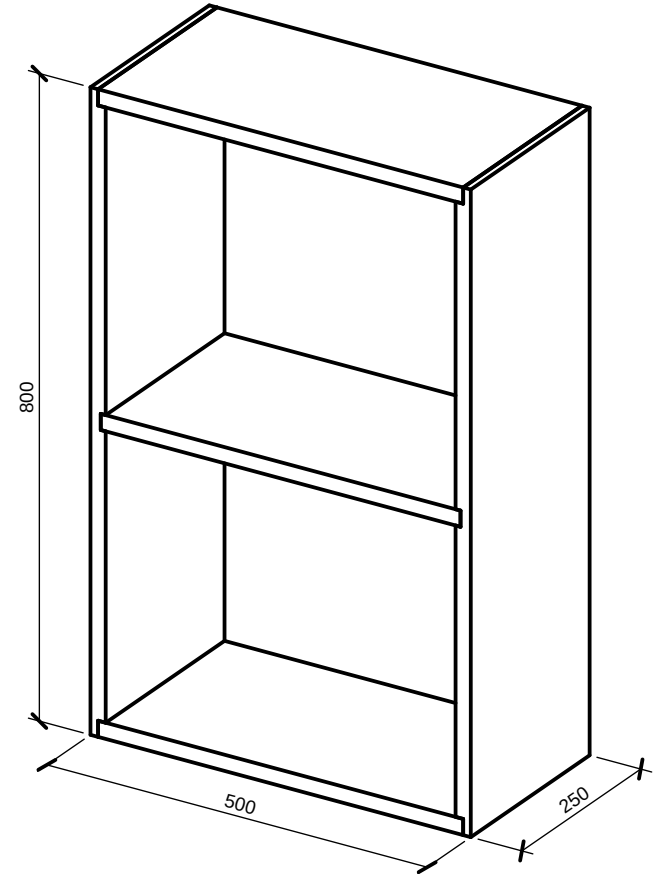
TOP



FRONT

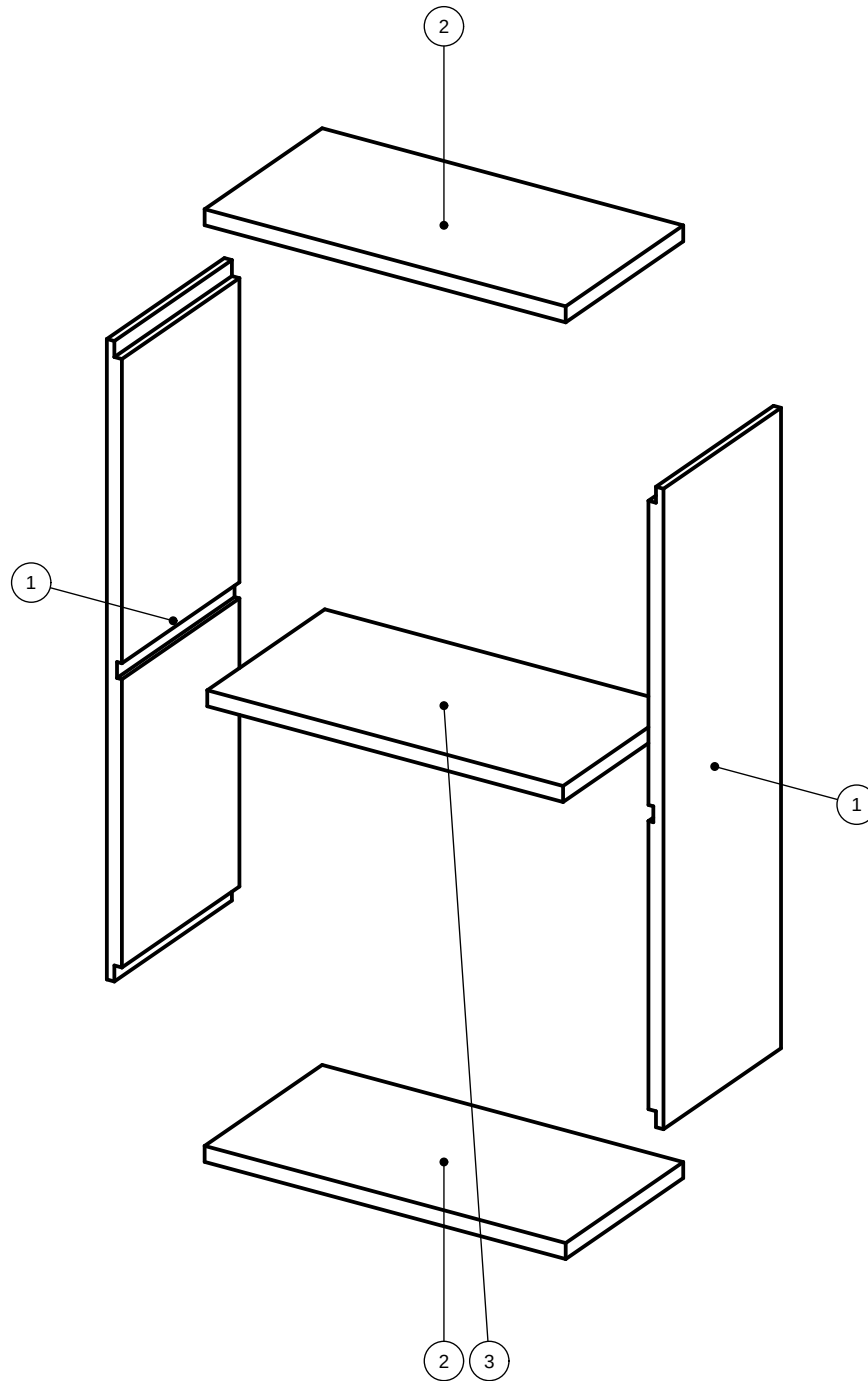


RIGHT SIDE



ISOMETRIC

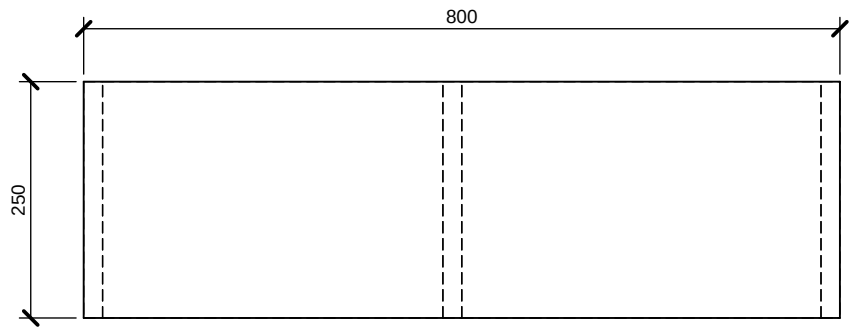
assembly	bookshelf
parts	5 (3 different)
overall	500 x 250 x 800 (W x D x H)
material	oak
scale	1:10, mm



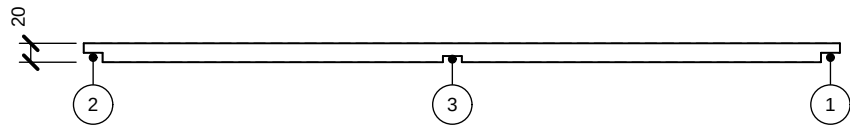
EXPLODED

no.	part	qty	cut size (L x W x T)	material
1	left_right	2	800 x 250 x 20	oak
2	top_bottom	2	480 x 250 x 20	oak
3	shelf	1	473 x 250 x 20	oak

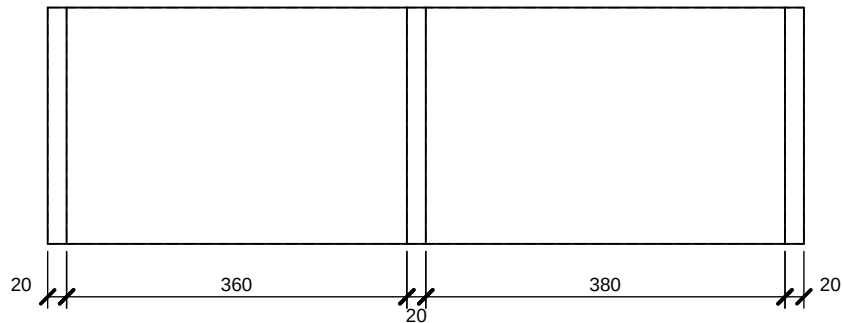
assembly	bookshelf
parts	5 (3 different)
overall	500 x 250 x 800 (W x D x H)
material	oak
scale	not to scale, mm



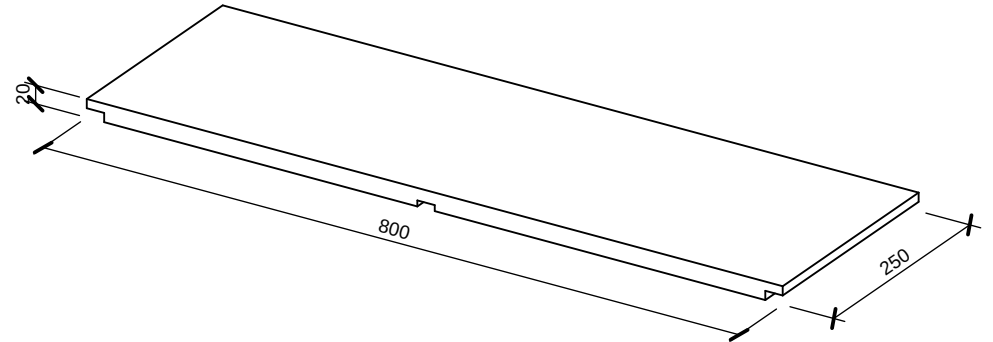
TOP FACE



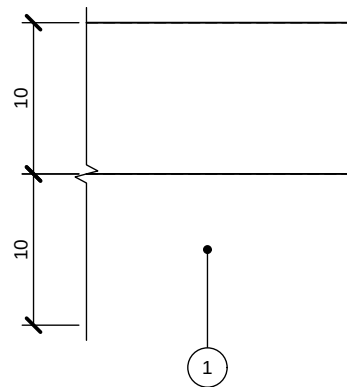
FRONT EDGE



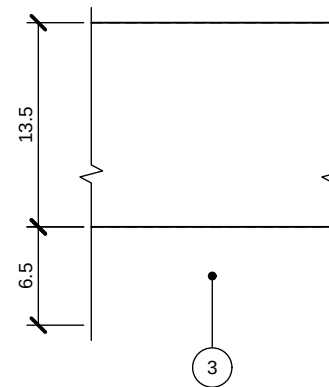
BOTTOM FACE



ISOMETRIC



FRONT EDGE: 1, 2 2:1



FRONT EDGE: 3 2:1

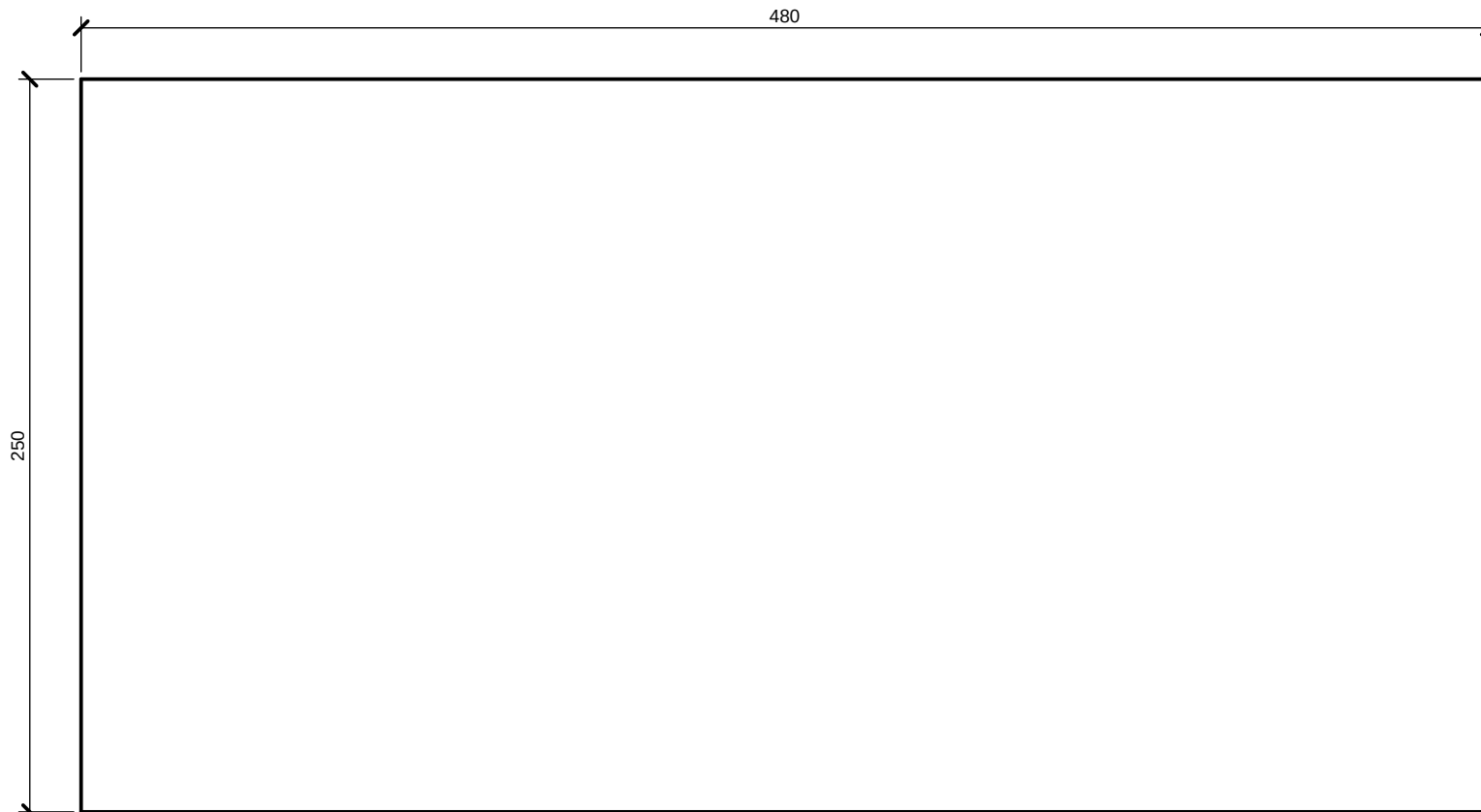
2 pieces: left, right

1 end rabbet 20 mm, 10 deep, in bottom_face at right_end

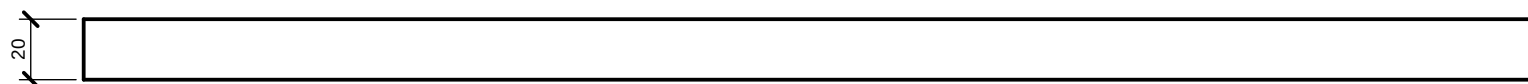
2 end rabbet 20 mm, 10 deep, in bottom_face at left_end

3 dado 20 mm, 6.5 deep, in bottom_face

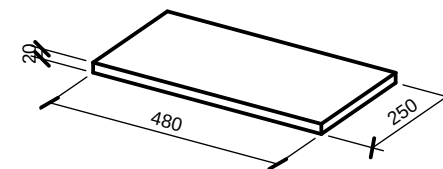
part	left_right
of	bookshelf
make	2
cut size	800 x 250 x 20
material	oak
scale	1:8, mm



TOP FACE



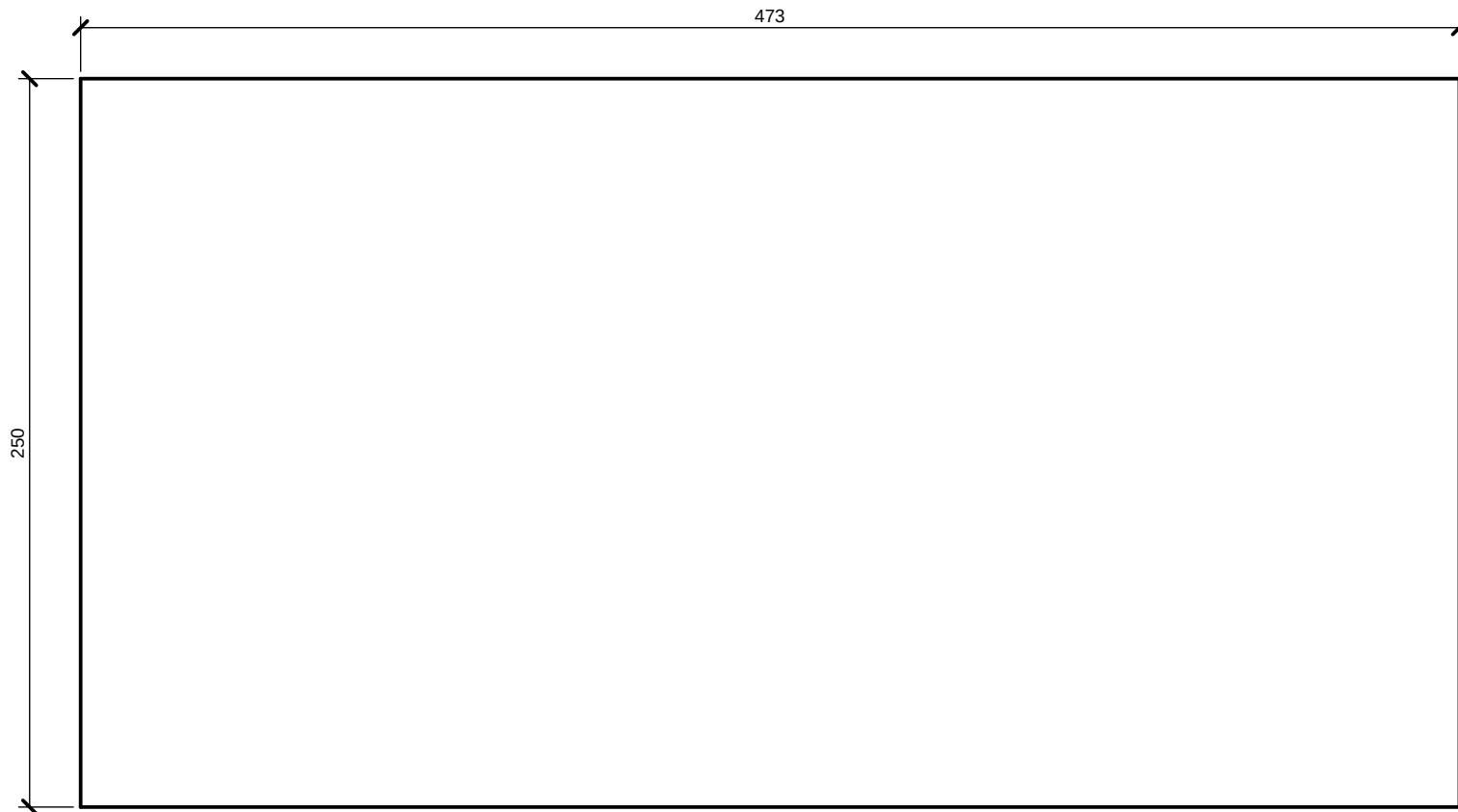
FRONT EDGE



ISOMETRIC

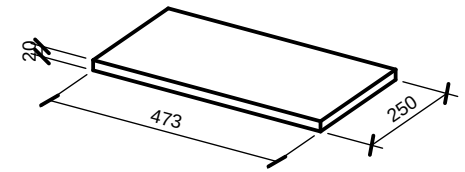
2 pieces: top, bottom

part	top_bottom
of	bookshelf
make	2
cut size	480 x 250 x 20
material	oak
scale	1:2.5, mm



TOP FACE

FRONT EDGE



ISOMETRIC

part	shelf
of	bookshelf
make	1
cut size	473 x 250 x 20
material	oak
scale	1:2.5, mm

Cut list

left_right 800 x 250 x 20 mm oak, 2 pieces: left, right
- end rabbet 20 mm, 10 deep, in bottom_face at right_end
- end rabbet 20 mm, 10 deep, in bottom_face at left_end
- dado 20 mm, 6.5 deep, in bottom_face
top_bottom 480 x 250 x 20 mm oak, 2 pieces: top, bottom
shelf 473 x 250 x 20 mm oak

Appendix: source

Made with woodwright 0.9.0, build123d 0.13.0, Python 3.14.4.

To make these plans again:

```
uvx --python 3.14 woodwright==0.9.0 export projects.bookshelf
```

projects.bookshelf, in woodwright/examples/projects.py

```
def bookshelf(
    height: float = 800,
    width: float = 500,
    depth: float = 250,
    stock: Stock = OAK,
) -> Assembly:
    """Two sides with a top and a bottom in rabbets and a middle shelf in dados.

    Outside sizes; the shelves' design length is between the sides.
    """
    t = stock.thickness
    asm = Assembly("bookshelf", root_location=CASE_SIDE)
    # Both sides have their reference faces outside and reference edges at
    # the front, so they are mirror images; both have their right end up.
    left = asm.add(Board("left", stock, length=height, width=depth))
    right = asm.add(Board("right", stock, length=height, width=depth, mirror=True))
    top = asm.add(Board("top", stock, length=width - 2 * t, width=depth))
    bottom = asm.add(Board("bottom", stock, length=width - 2 * t, width=depth))
    shelf = asm.add(Board("shelf", stock, length=width - 2 * t, width=depth))
    for side, top_end, bottom_end, shelf_end in [
        (left, top.left_end, bottom.left_end, shelf.left_end),
        (right, top.right_end, bottom.right_end, shelf.right_end),
    ]:
        asm.join(RabbitJoint(rabbit=side.bottom_face, end=top_end, at=side.right_end))
        asm.join(RabbitJoint(rabbit=side.bottom_face, end=bottom_end, at=side.left_end))
        asm.join(
            DadoJoint(
                dado=side.bottom_face, end=shelf_end, position=offset(height / 2, side.right_end)
            )
        )
```

```
return asm
```