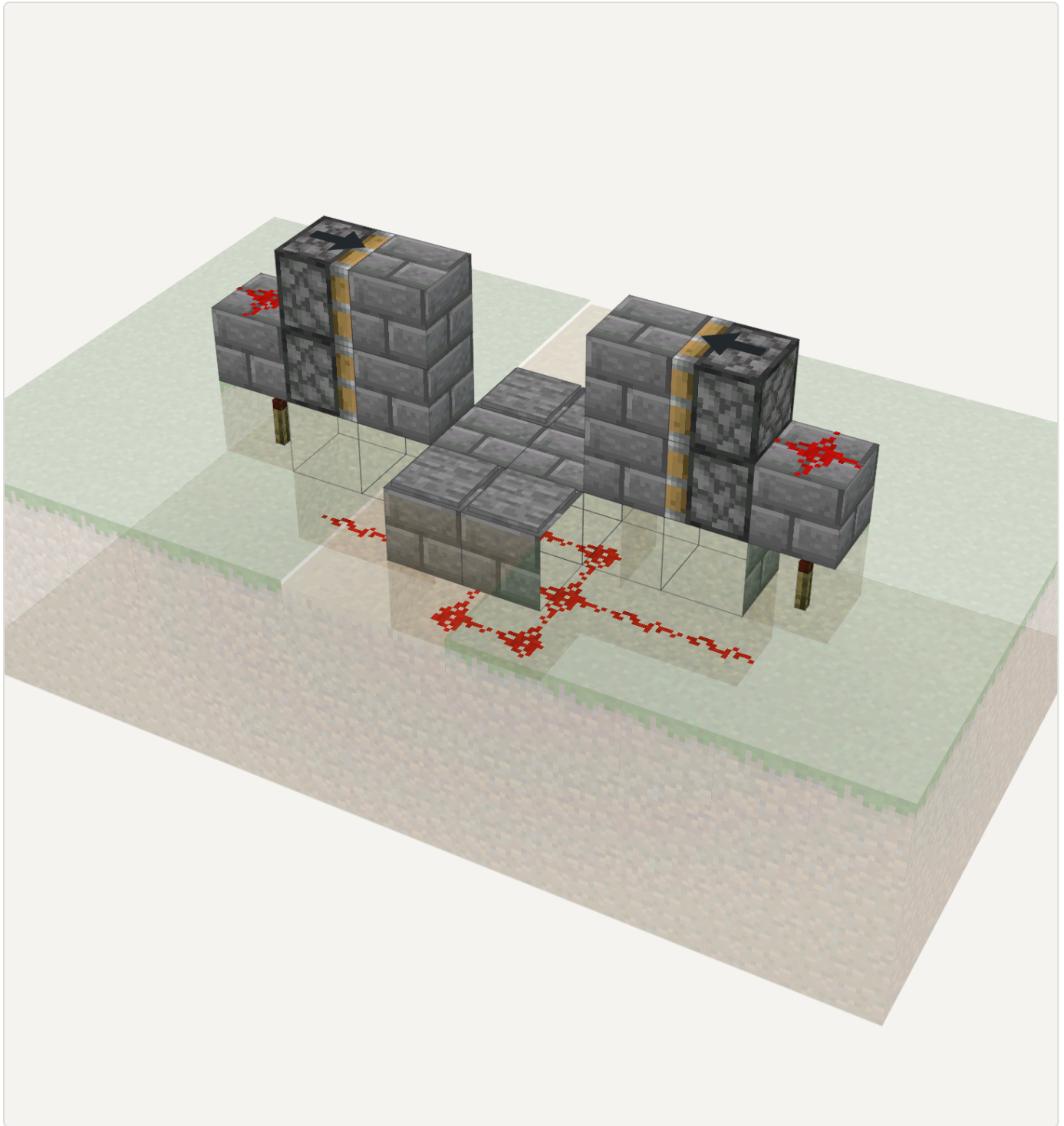


2x2 Piston Door

Minecraft 26.3 · Blocksworth Tests, Build #3



38 blocks 8 steps 5 different parts



16×
Stone Bricks



12×
Redstone Dust



4×
Sticky Piston



4×
Stone Pressure
Plate



2×
Redstone Torch

Inventory

Everything you need: 38 blocks

BLOCKS



16×
Stone Bricks

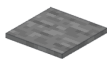
REDSTONE



12×
Redstone Dust



4×
Sticky Piston



4×
Stone Pressure
Plate



2×
Redstone Torch

1

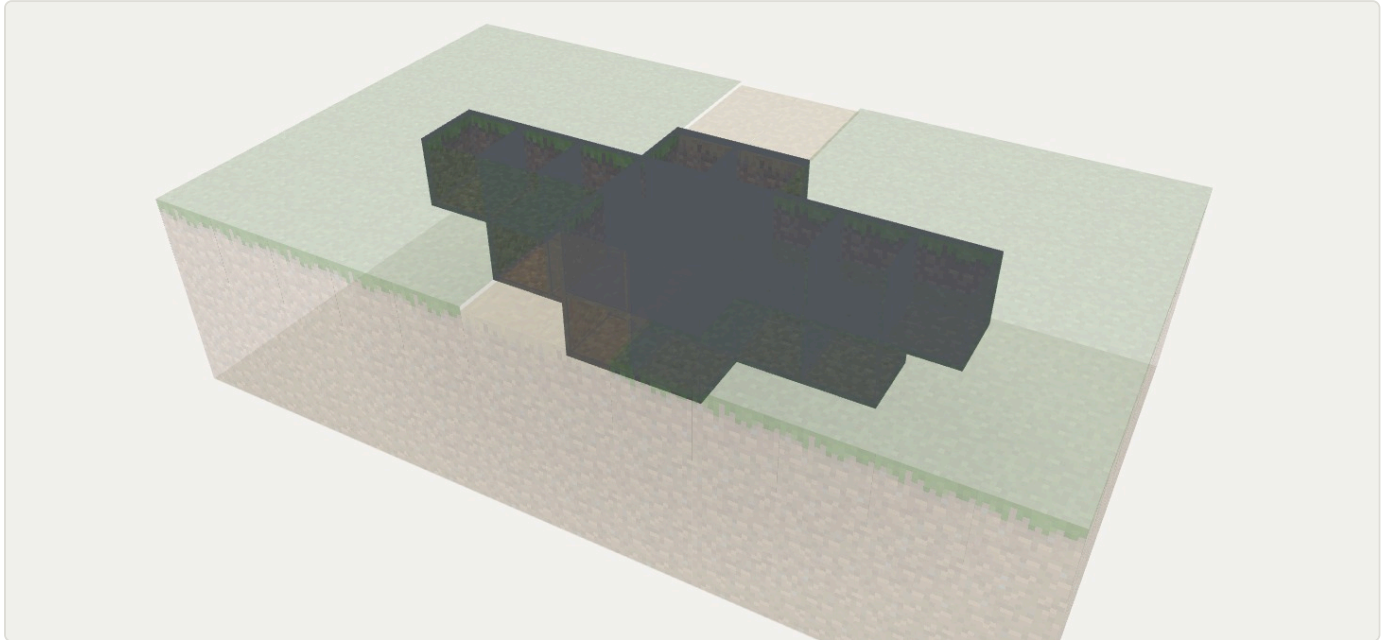
Cells to remove are outlined



22×
Dig out

Dig a cross, 2 deep

6 along the doorway, 3 across under the plates (2 wide), plus a hole only 1 deep at each end for the torches.



2

New blocks are outlined



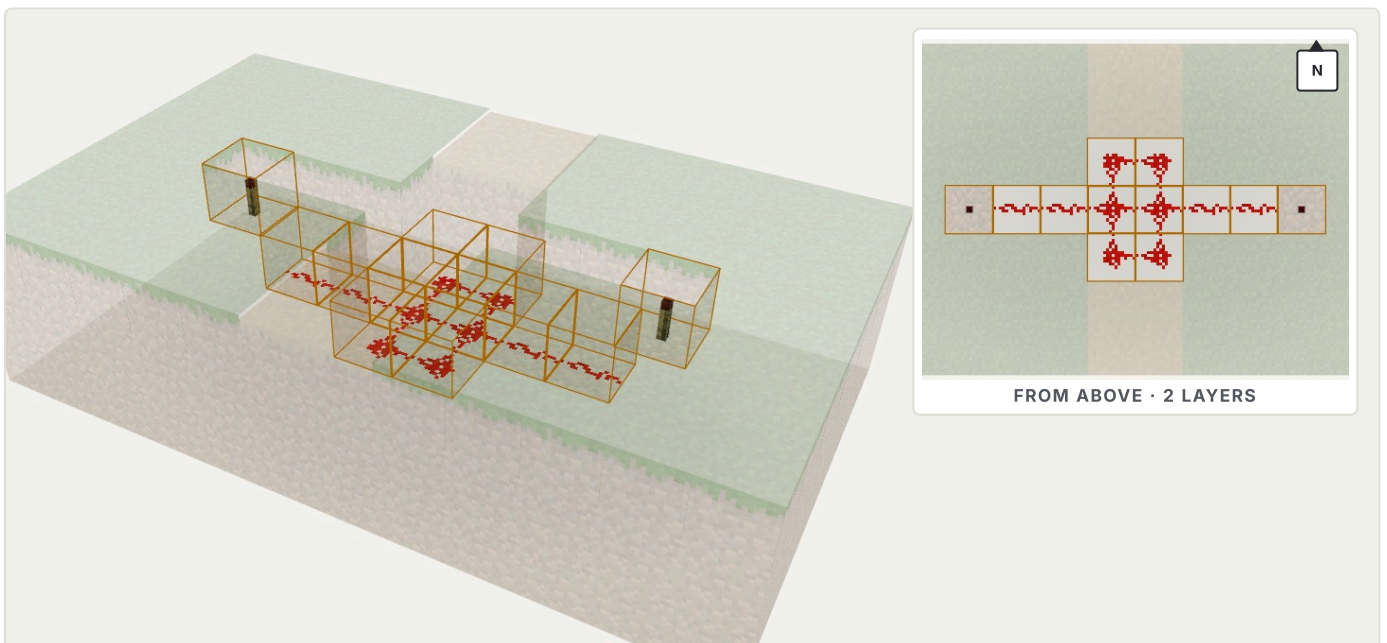
10×
Redstone Dust



2×
Redstone Torch

Redstone dust and 2 torches

Dust along the bottom, so every plate reaches both torches. A redstone torch in each end hole.



3

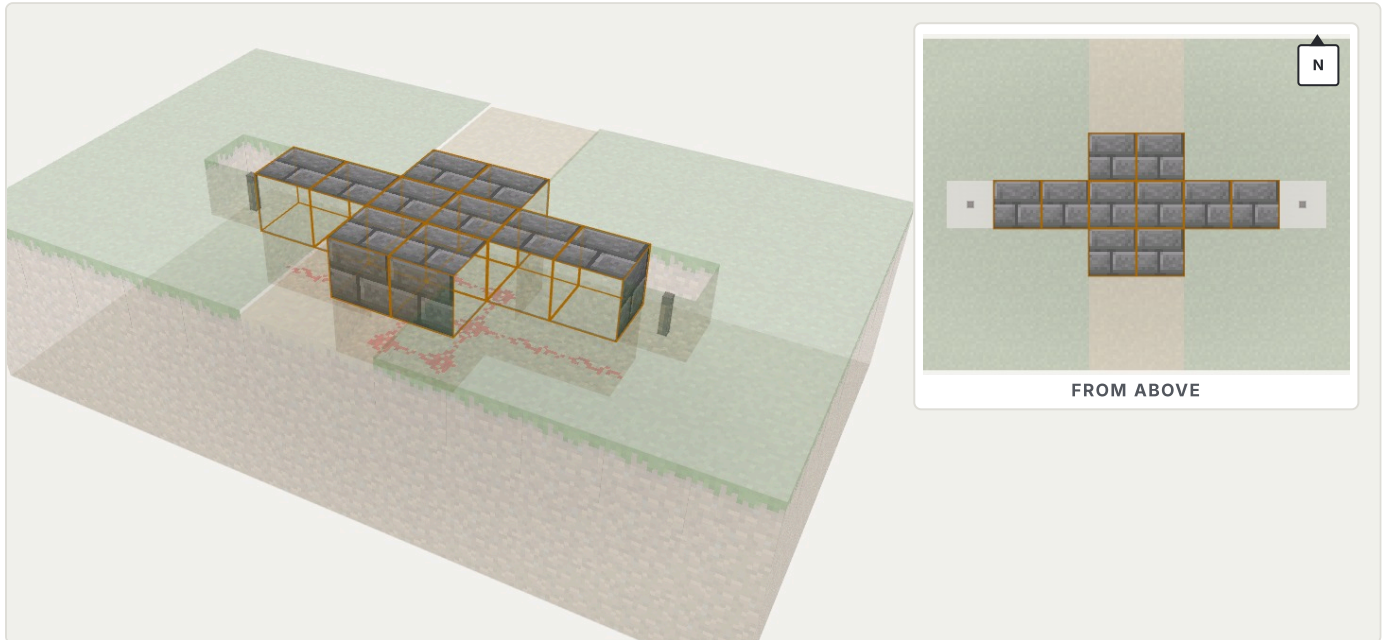
 New blocks are outlined



10×
Stone Bricks

Cover the dust

10 of any full solid block (stone bricks here): the plates power it. Leave the torches open.



4

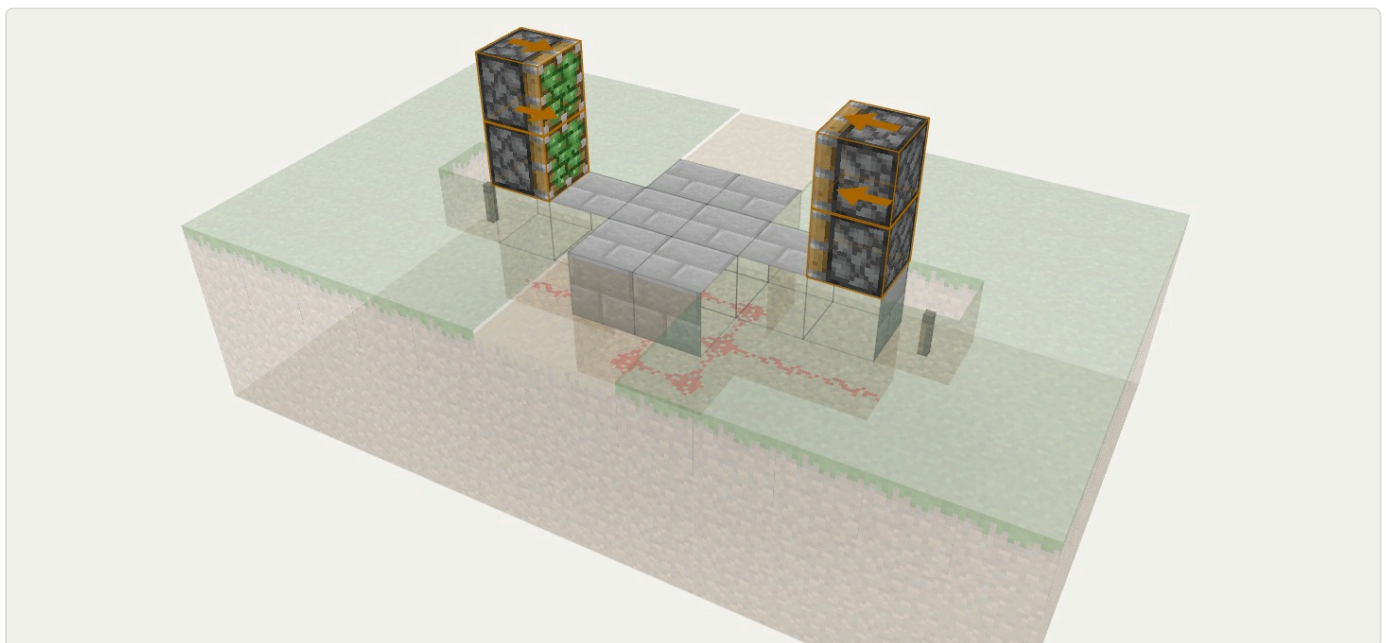
 New blocks are outlined



4×
Sticky Piston

4 sticky pistons

Two per side, stacked, facing the doorway, with one block of space for the door.



5

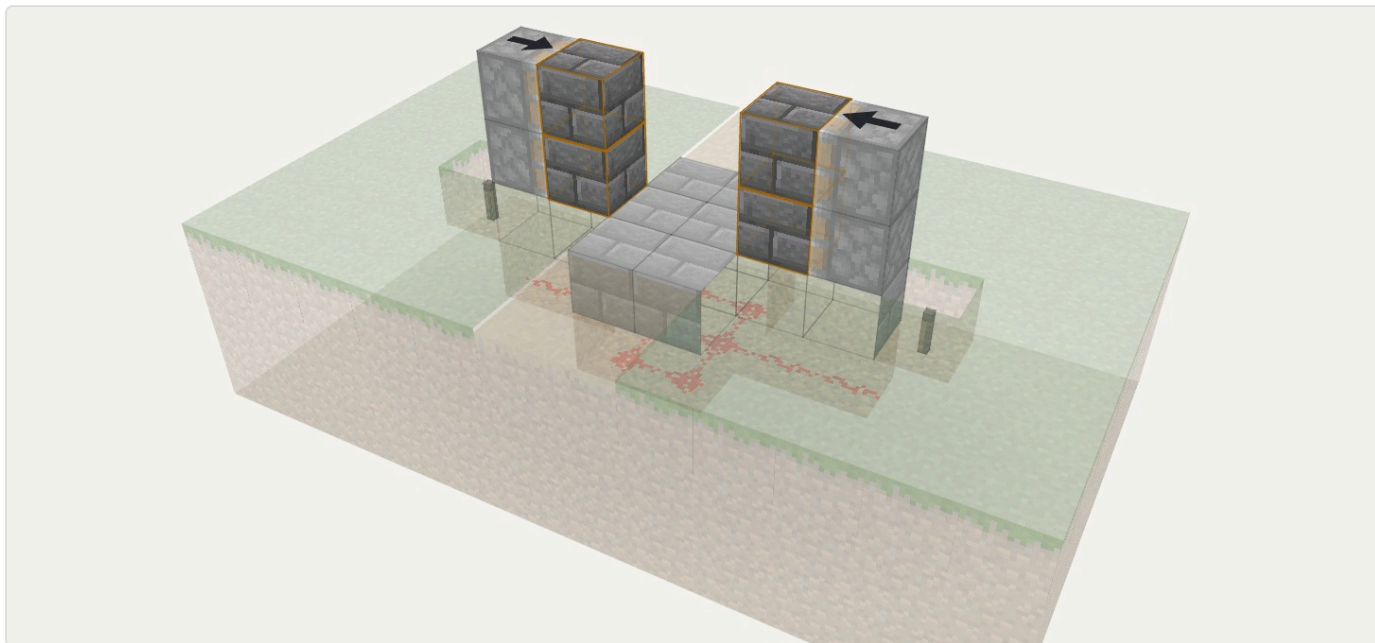
□ New blocks are outlined



4×
Stone Bricks

4 door blocks

In front of the pistons. The pistons push these into the doorway.



6

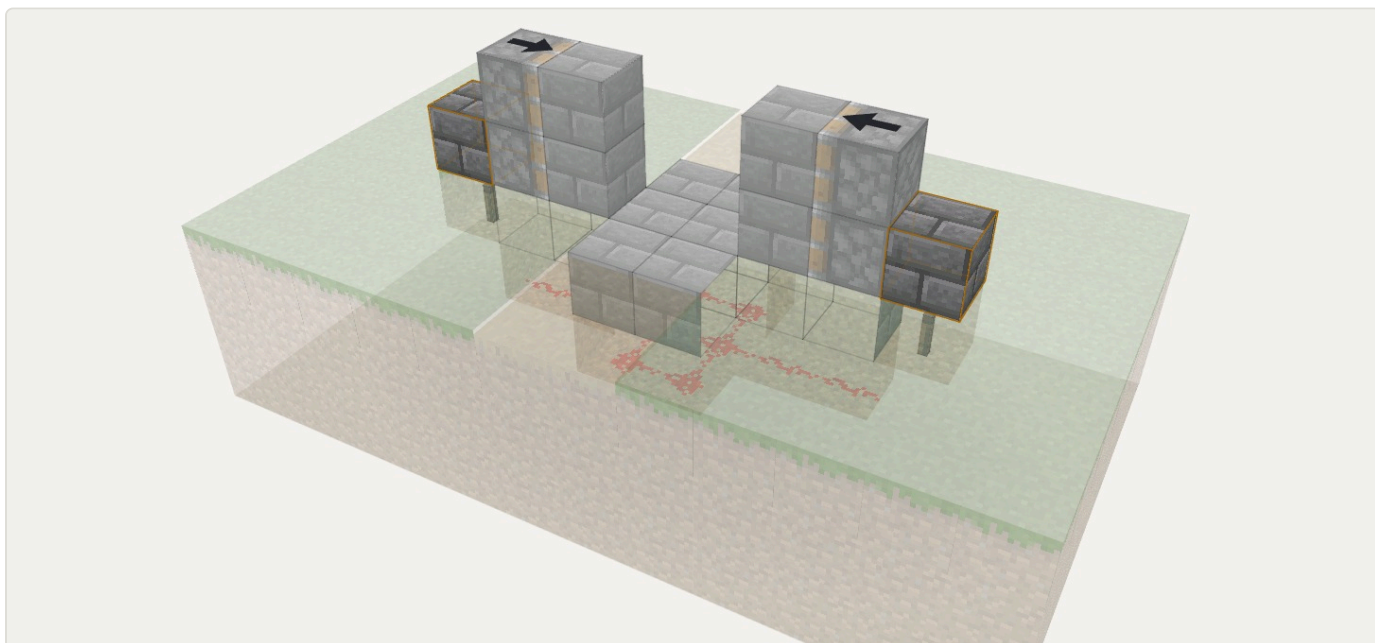
□ New blocks are outlined



2×
Stone Bricks

A block on each torch

The torch powers it, it powers the bottom piston: the bottom row closes. The top row stays open.



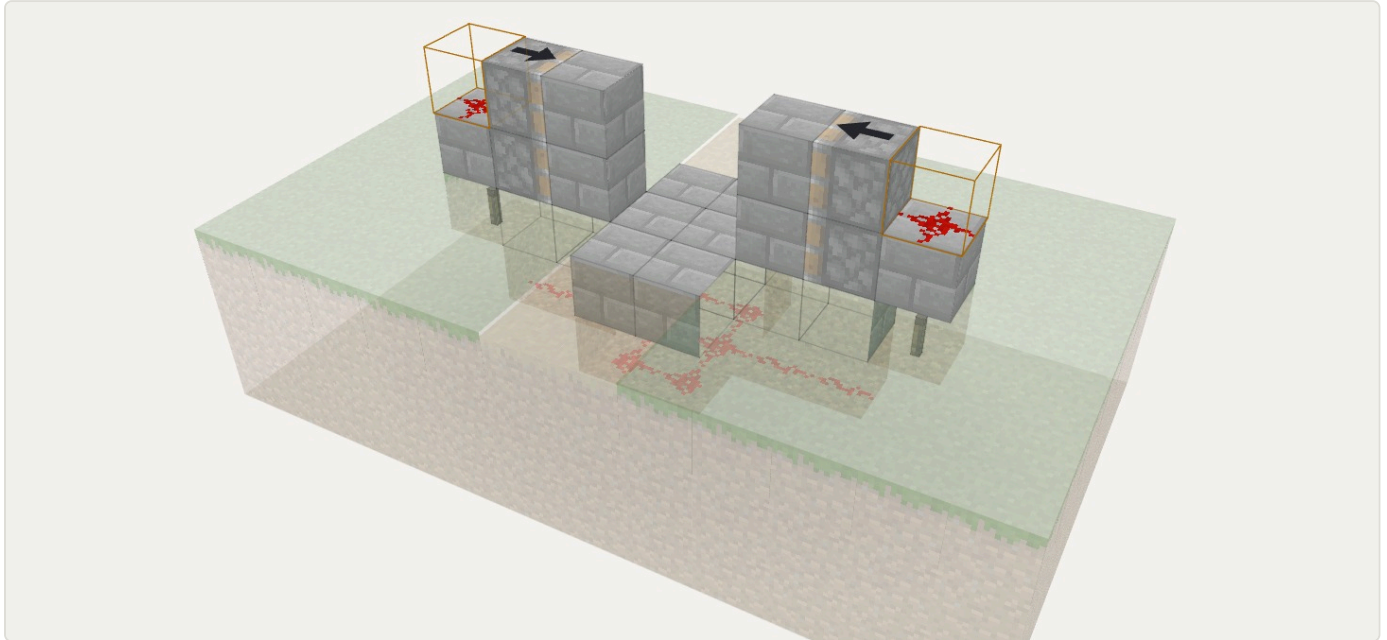
7

New blocks are outlined

2×
Redstone Dust

Dust on top

One dust on each of those blocks powers the top piston. Now the whole door is shut.



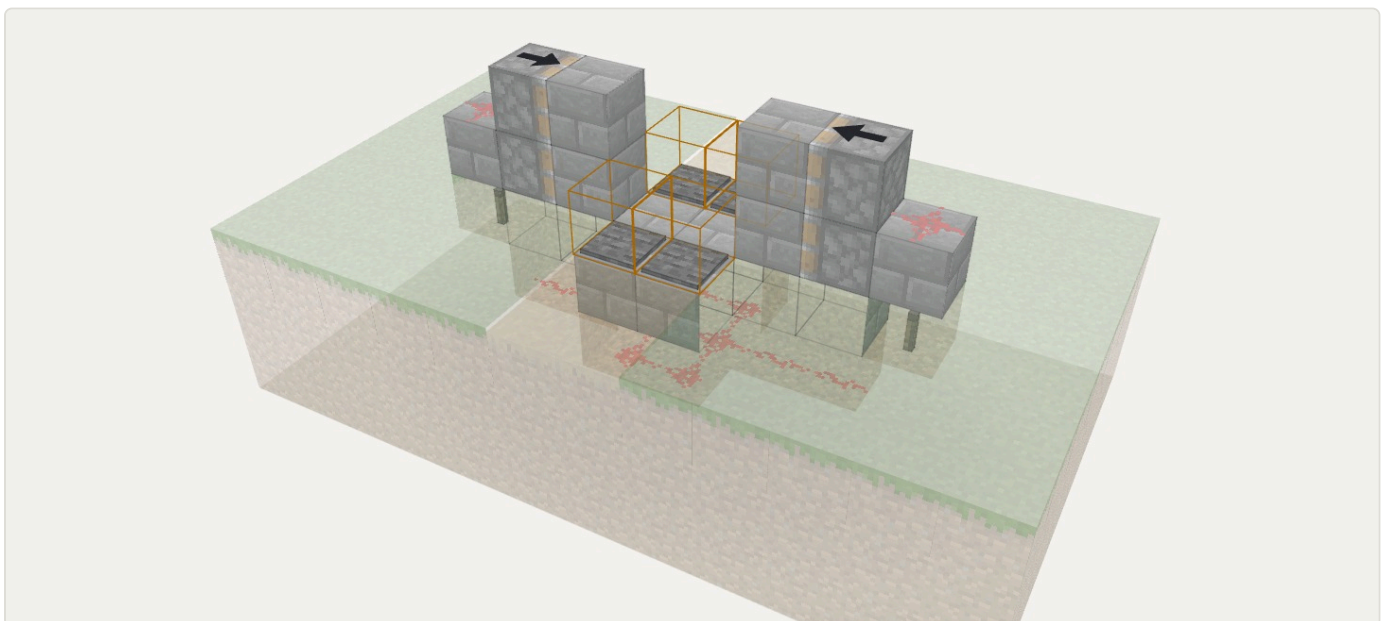
8

New blocks are outlined

4×
Stone Pressure
Plate

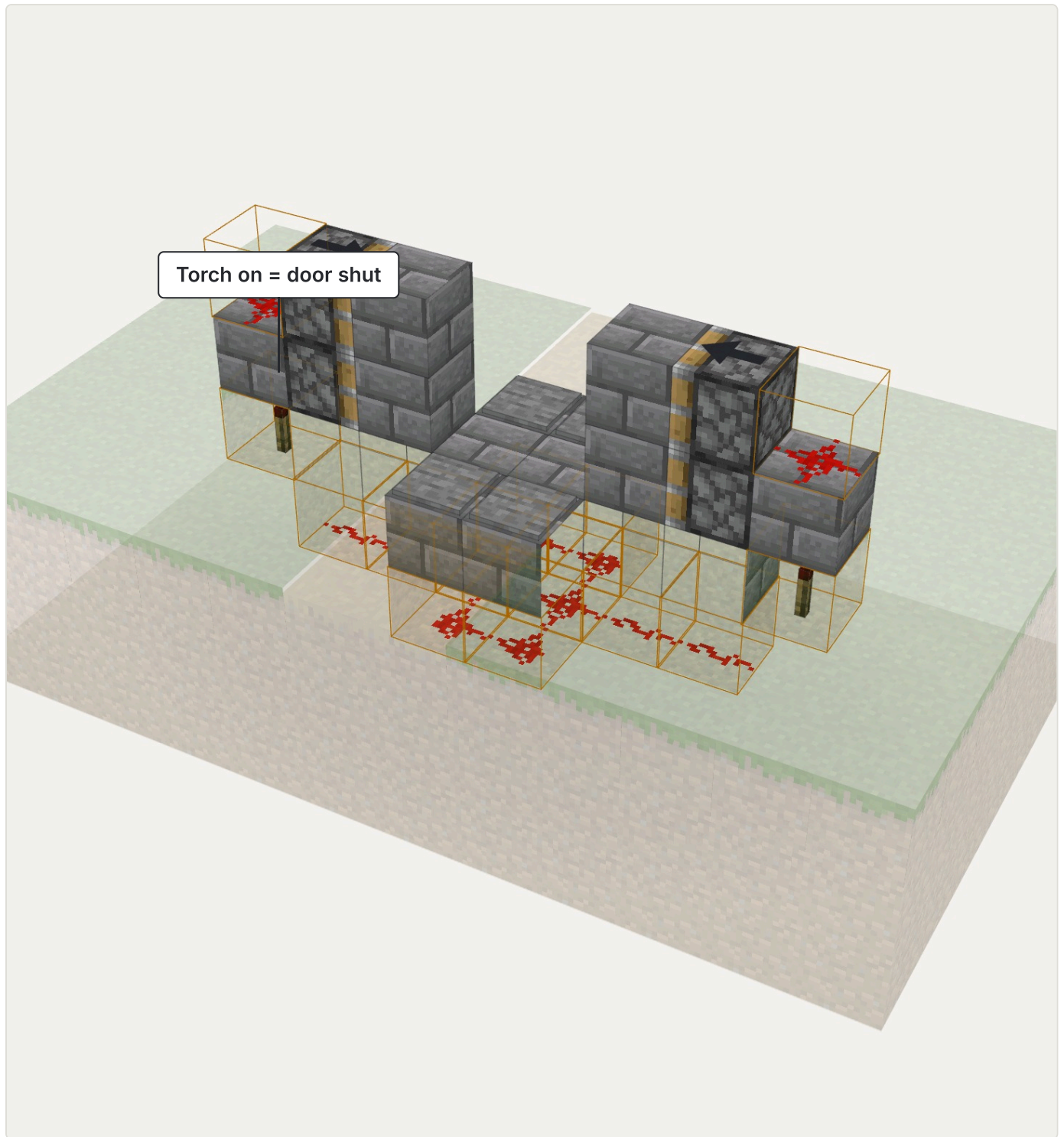
4 stone pressure plates

Two outside, two inside. A plate turns both torches off and the door opens; step off and it shuts.



Finished!

Why it opens



Shown as you place it, the door blocks in front of the pistons. In the game the torches power the blocks above them, so the pistons push the door shut. Step on any plate: it powers the floor under it, the buried dust carries that to both torch blocks, the torches go off and the sticky pistons pull the door open. Tested in Java 26.3: open 0.15 s after you step on, shut again 0.7 s after you step off.

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