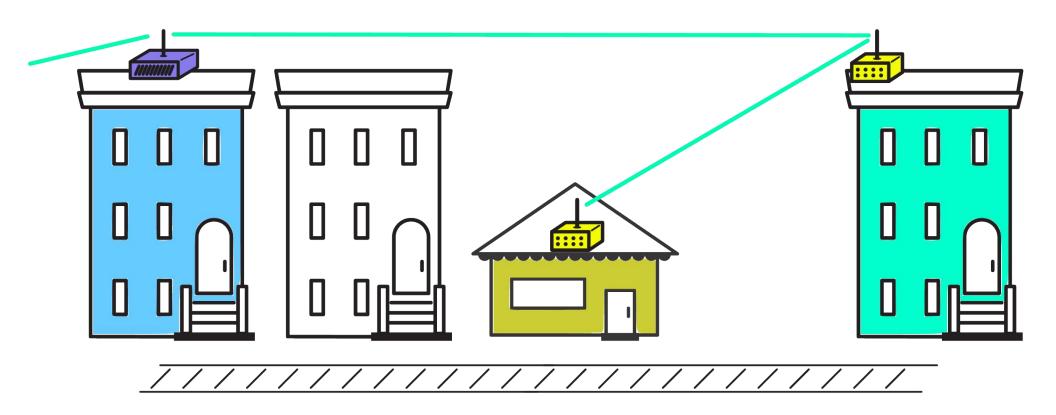
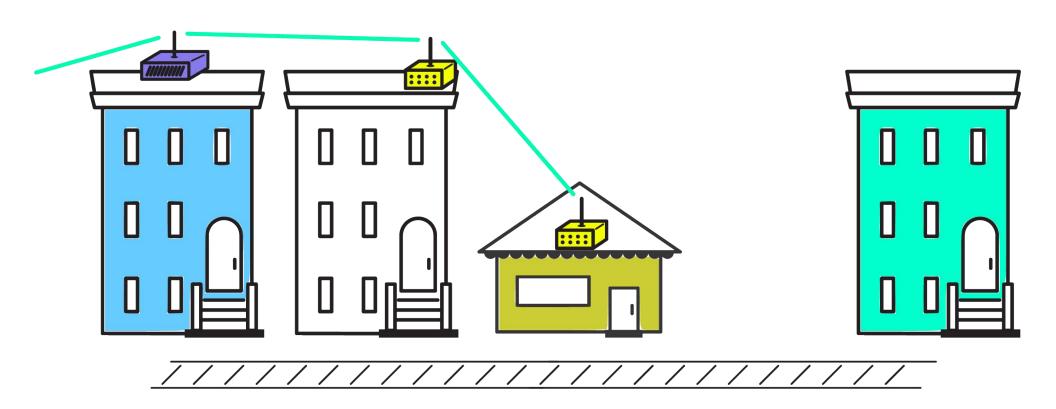


Problem 1: You don't have a good link to your neighbor's roof.

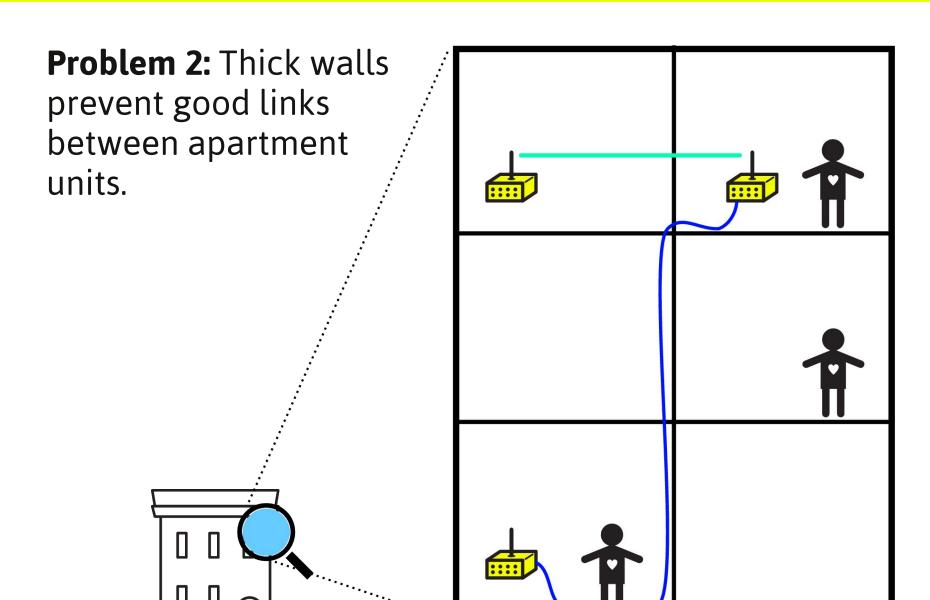


Example Solution 1: Add a neighbor node to reach the spots you can't see.

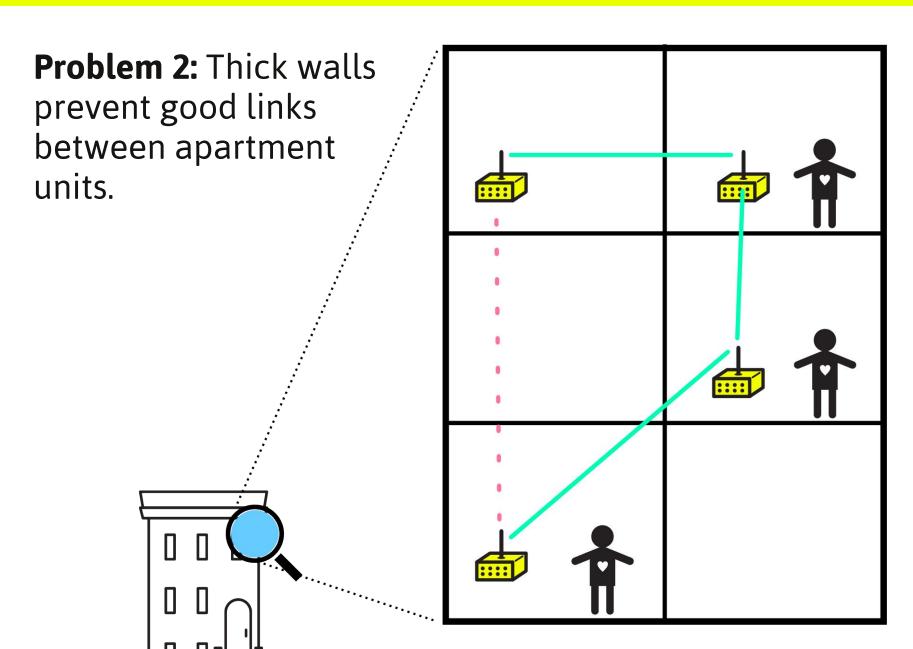
Problem 1: You don't have a good link to your neighbor's roof.



Example Solution 2: Add a neighbor node to reach the spots you can't see.

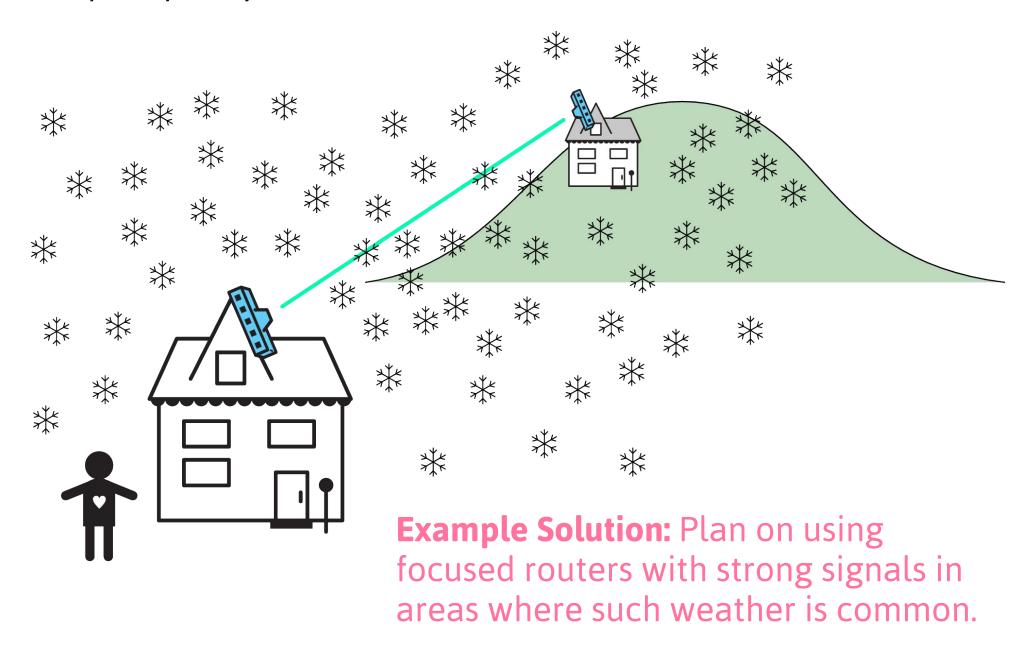


Example Solution 1: Put an Ethernet cable between the nodes to create a wired link.

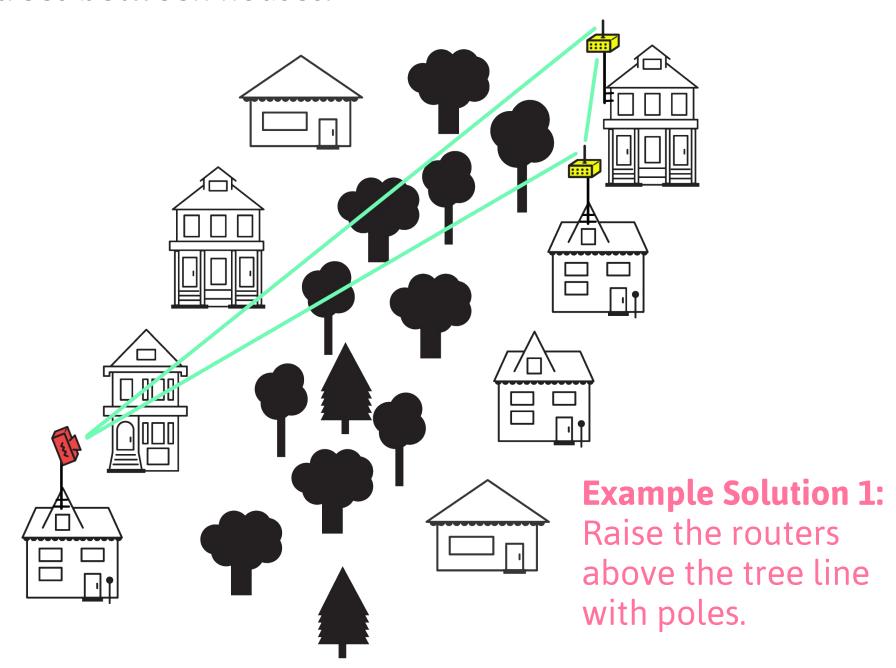


Example Solution 2: Ask a neighbor to host a repeater node. This will be slower than the cable.

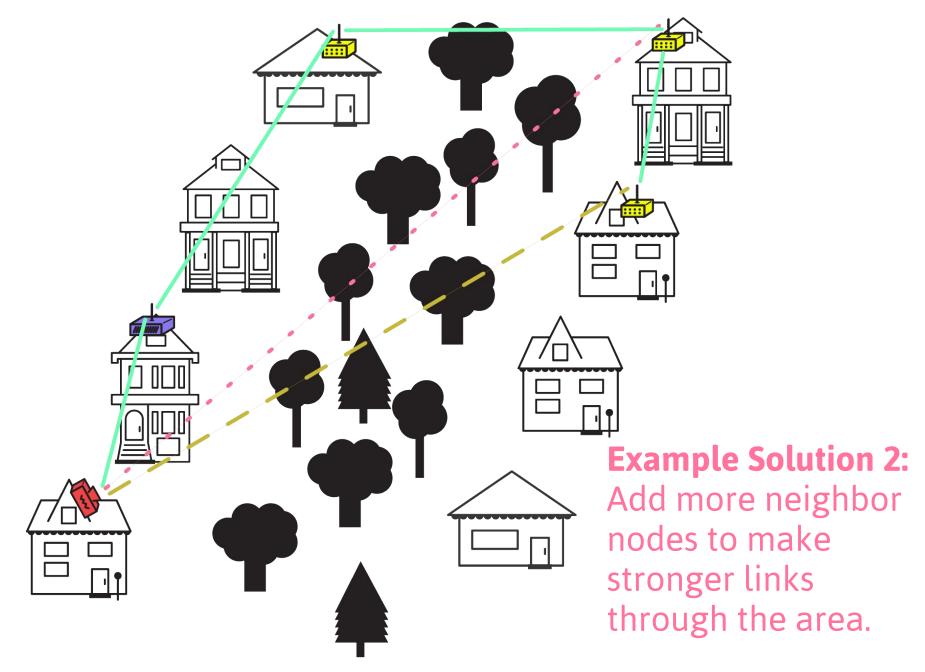
Problem 3: Frequent rain and snow causes links to drop in quality or disconnect.



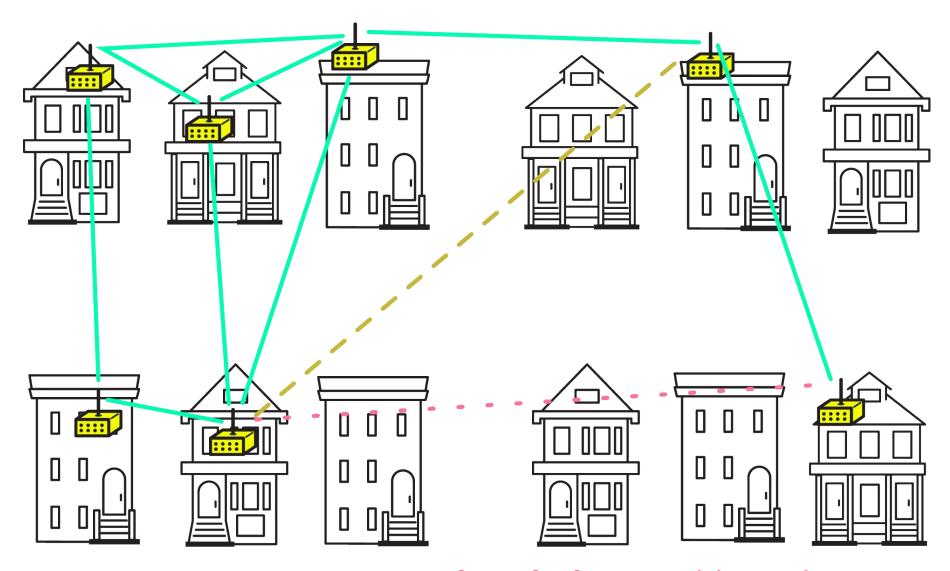
Problem 4: Some neighbor links are blocked by the trees between houses.



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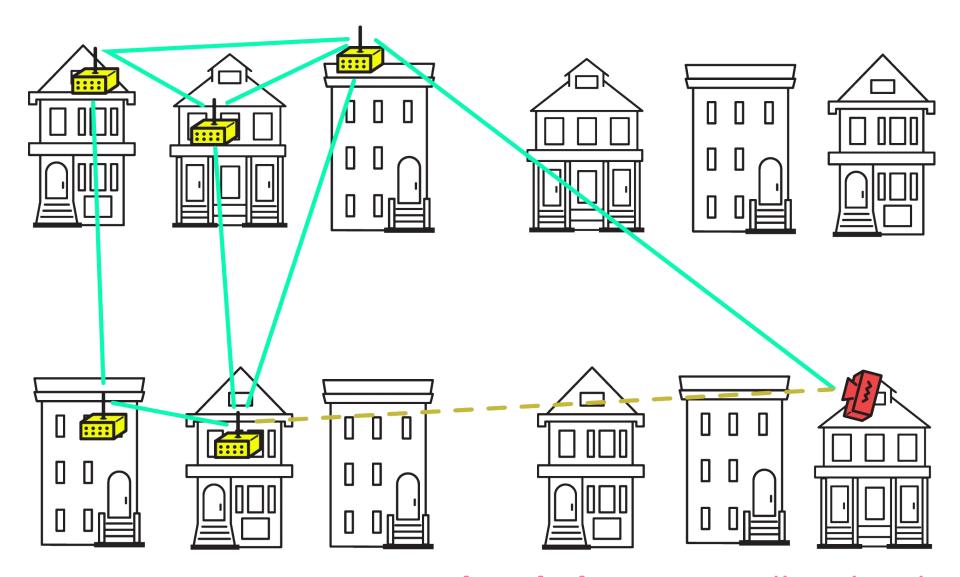


Problem 5: One building has weak links to the rest of the neighborhood.



Example Solution 1: Add another neighbor router to repeat the signal.

Problem 5: One building has weak links to the rest of the neighborhood.



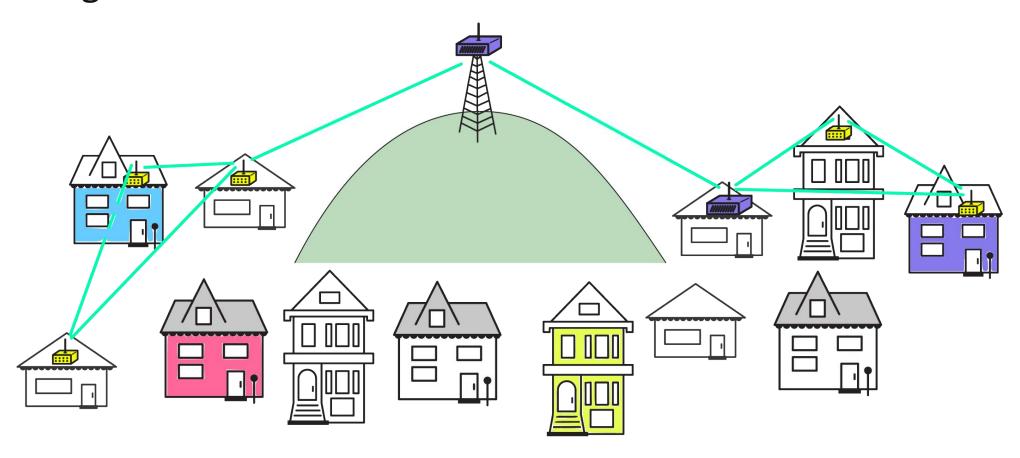
Example Solution 2: Use a directional router instead.

Problem 6: A hill blocks the links to your nearby neighbors.



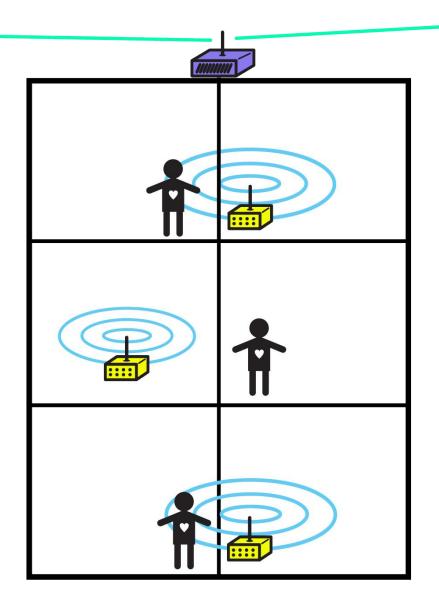
Example Solution 1: You can work with your neighbors to install nodes to help.

Problem 6: A hill blocks the links to your nearby neighbors.



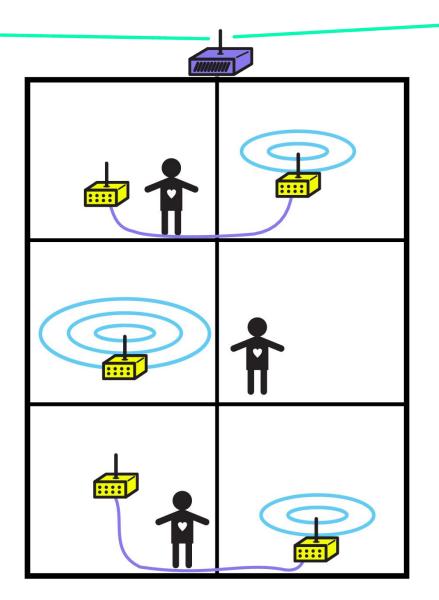
Example Solution 2: Find a way to put a node on the top of the hill.

Problem 7: The number of wireless signals in your building causes slow connections on the mesh.



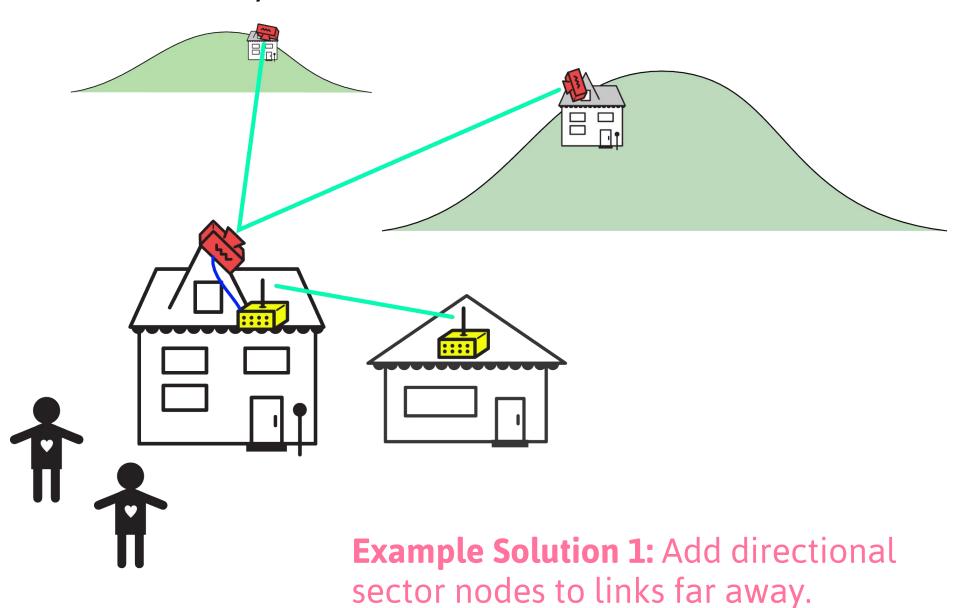
Example Solution 1:

Ask your neighbors to turn down their wireless power, or share devices and connections. **Problem 7:** The number of wireless signals in your building causes slow connections on the mesh.

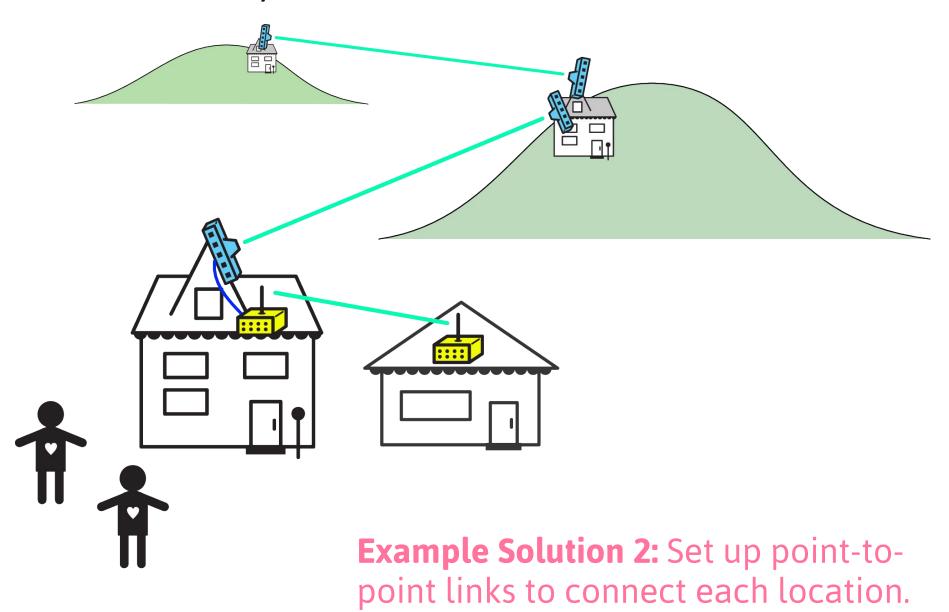


Example Solution 2:
Use Ethernet cables to share and disable wireless on routers where possible.

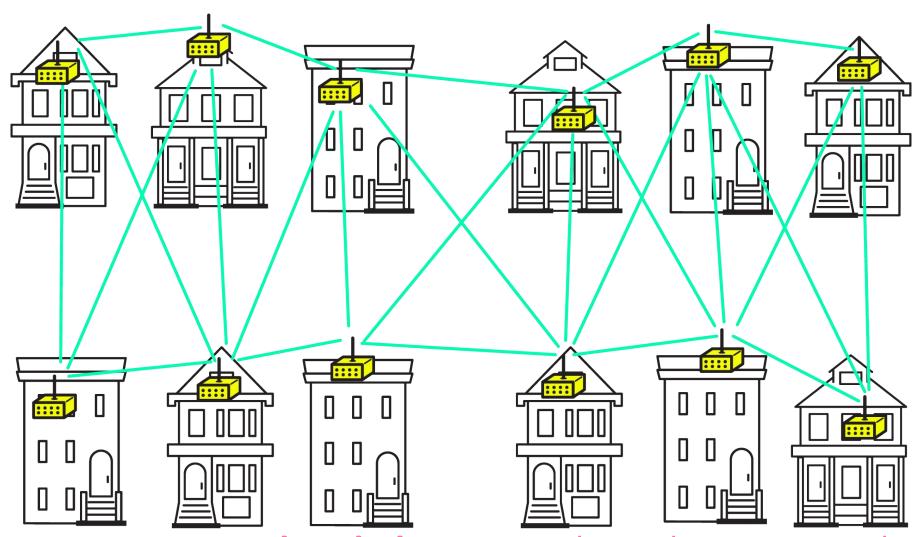
Problem 8: Two neighbors have potential links that are far away.



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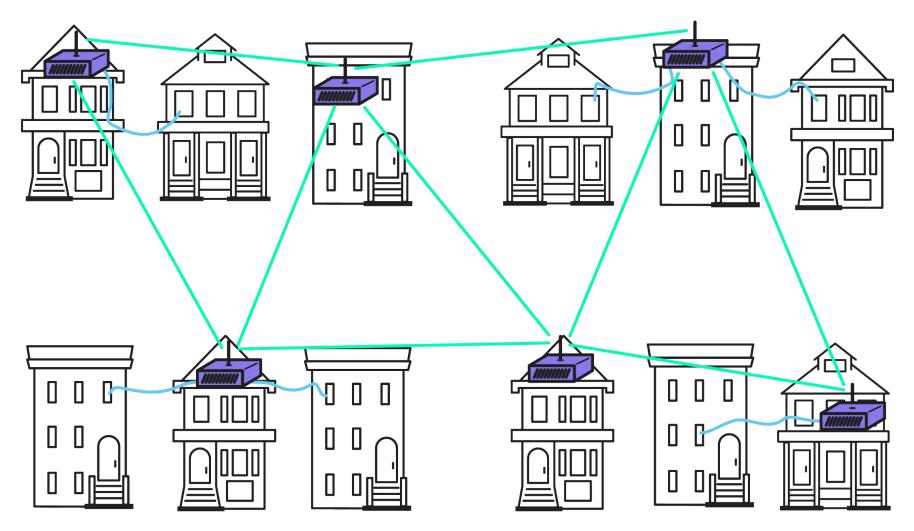


Problem 9: The routers seem slow and drop connections, even though the signal is very strong.



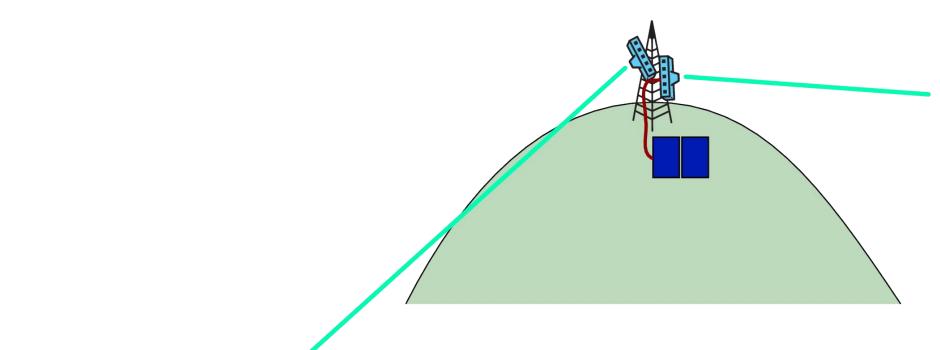
Example Solution 1: Turn down the power on the routers, or switch to a lower-powered type.

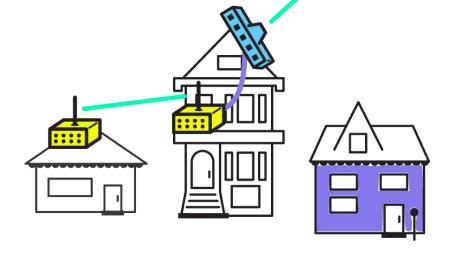
Problem 9: The routers seem slow and drop connections, even though the signal is very strong.



Example Solution 2: Remove a few nodes and have several neighbors connect to the closest node, or use Ethernet cables between buildings.

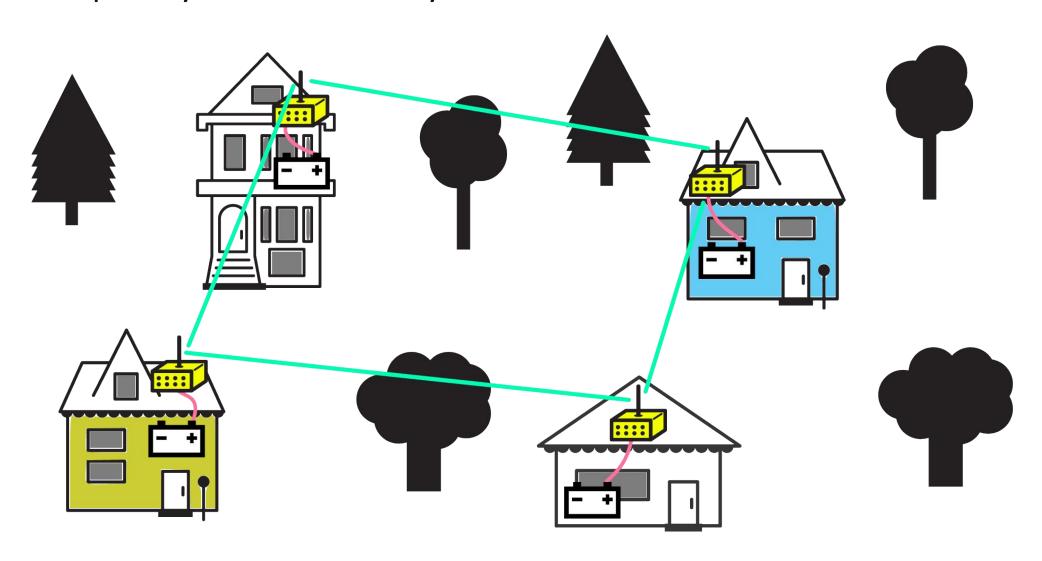
Problem 10: A hilltop site has no electricity, but would be perfect to connect to a far away town.





Example Solution: Add solar panels and batteries for remote electricity.

Problem 11: Your neighborhood occasionally or frequently loses electricity.



Example Solution: Connect the routers to backup batteries for electricity.