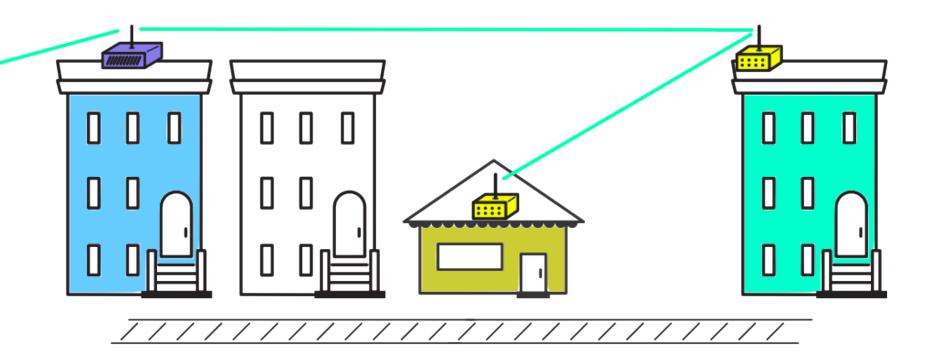


Problem: You don't have a good link to your neighbor's roof.

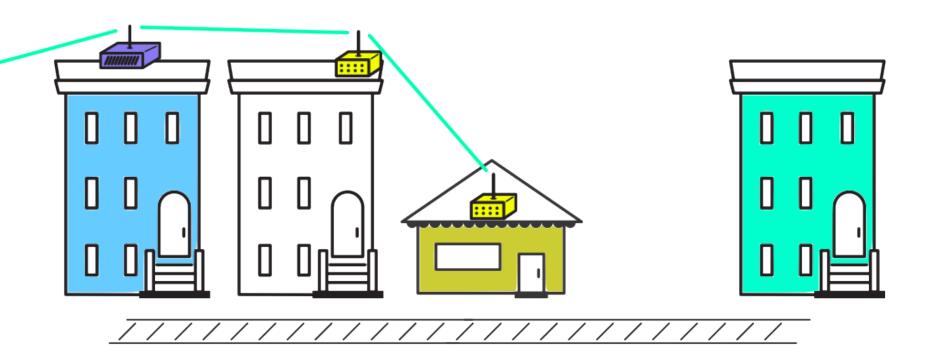


Problem: You don't have a good link to your neighbor's roof.



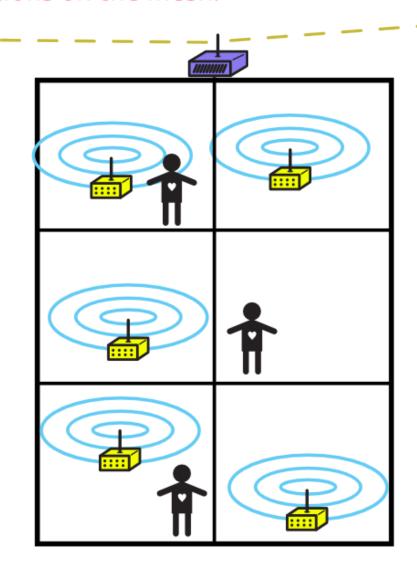
Solution 1: Add a neighbor node to reach the spots you can't see.

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



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

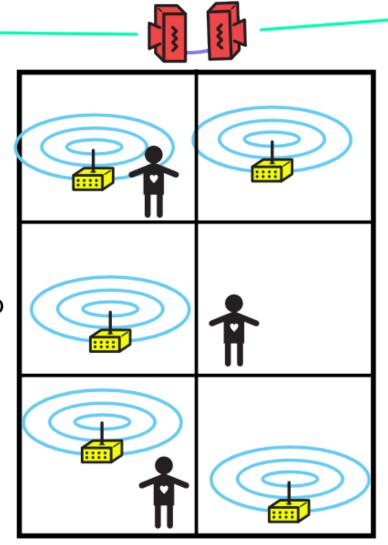
Problem: The number of wireless signals in your building cause slow connections on the mesh.



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

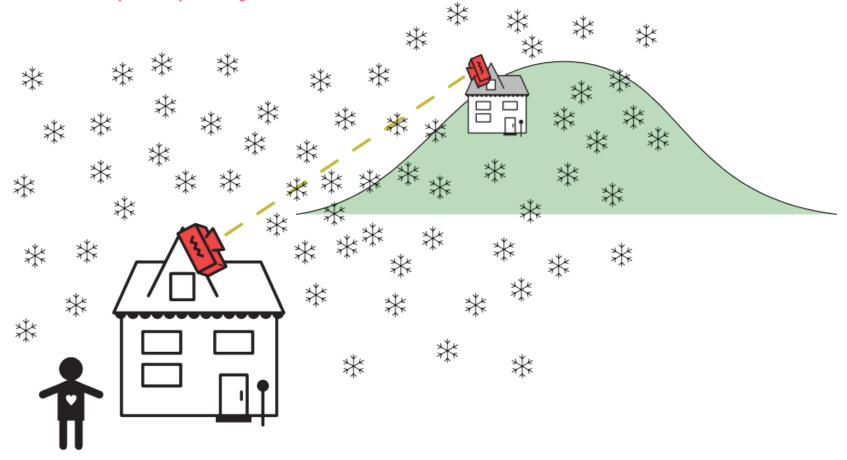
Solution 1: Ask your neighbors to turn down their wireless power, or share devices and connections.

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

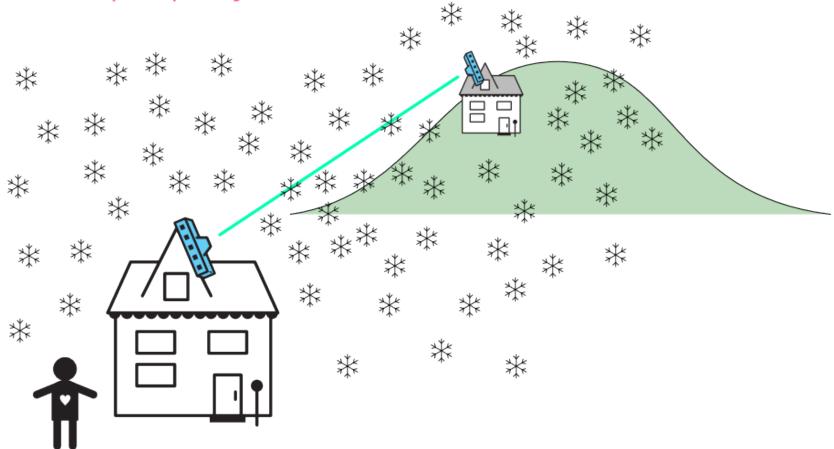


Solution 2: Switch to more focused nodes to minimize signal from interfering sources.

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



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



Solution: Changing to a more focused router can improve the signal.

Problem: Some neighbor links are blocked

by the trees between houses.

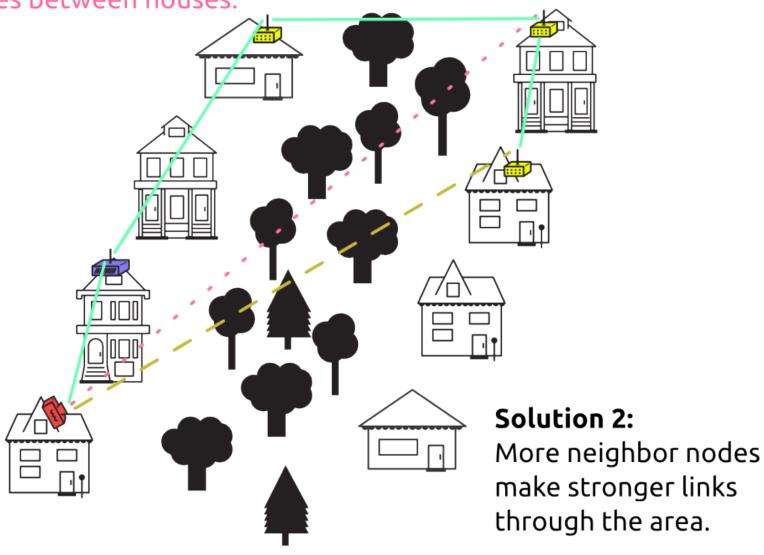


Problem: Some neighbor links are blocked by the trees between houses. Solution 1:

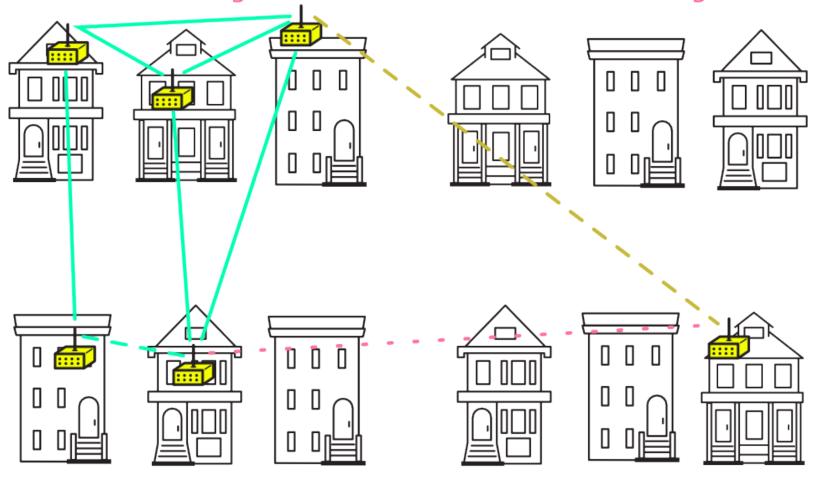
Raise the routers above the tree line with poles.

Problem: Some neighbor links are blocked

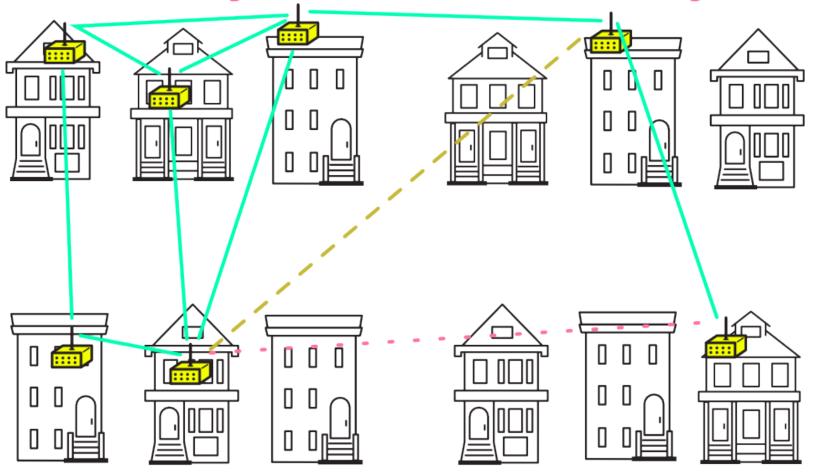




Problem: One building has weak links to the rest of the neighborhood.

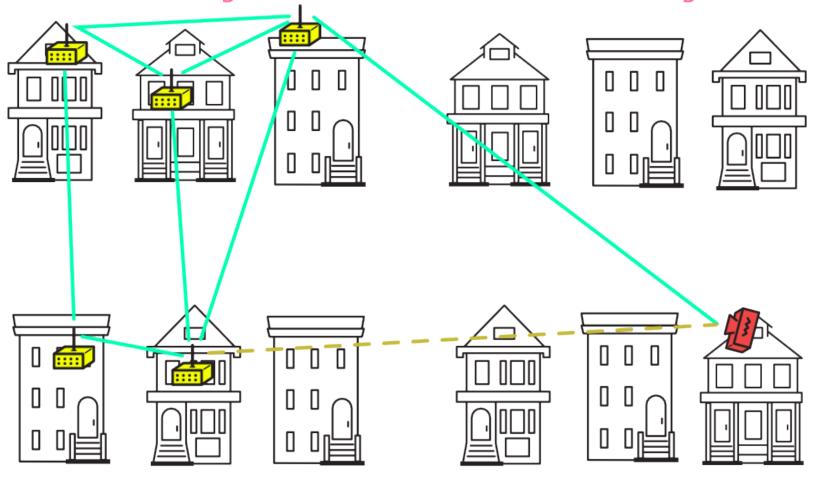


Problem: One building has weak links to the rest of the neighborhood.



Solution 1: You can add another neighbor node.

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



Solution 2: You can use a directional node instead.

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

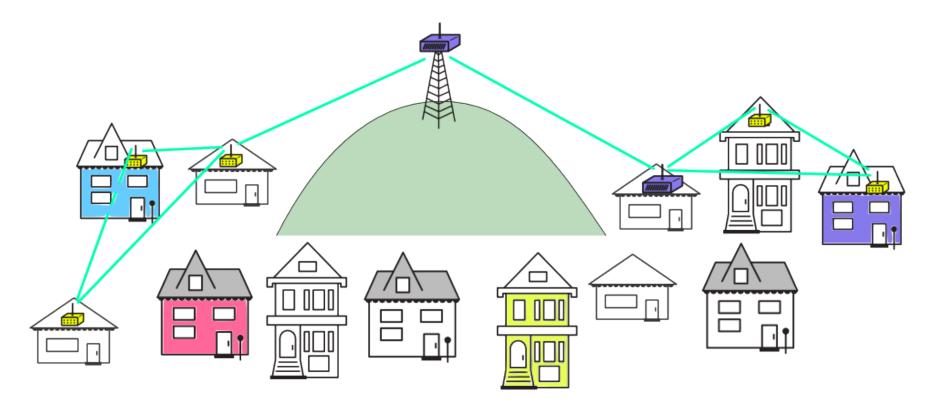


Problem: A hill blocks the links to your nearby neighbors.



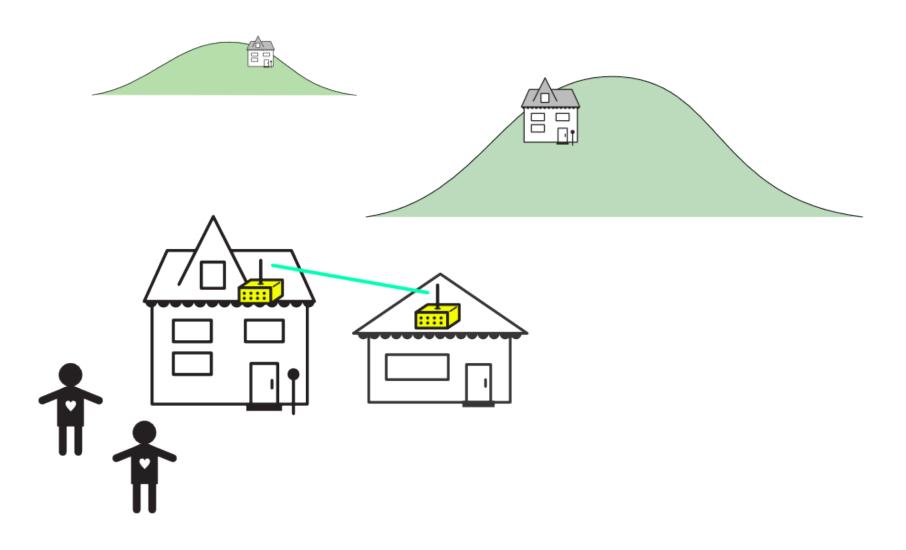
Solution 1: You convince your neighbors to install nodes to help.

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

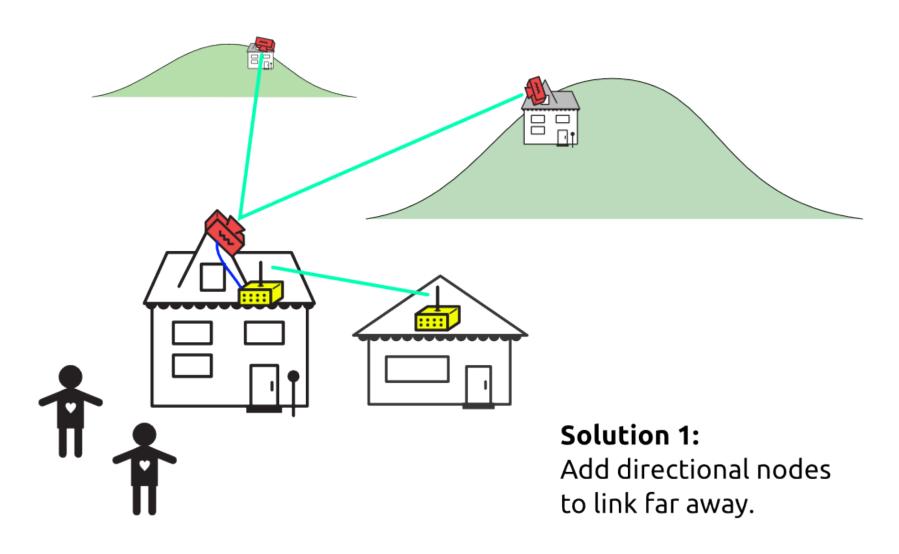


Solution 2: Find a way to put a node on the top of the hill.

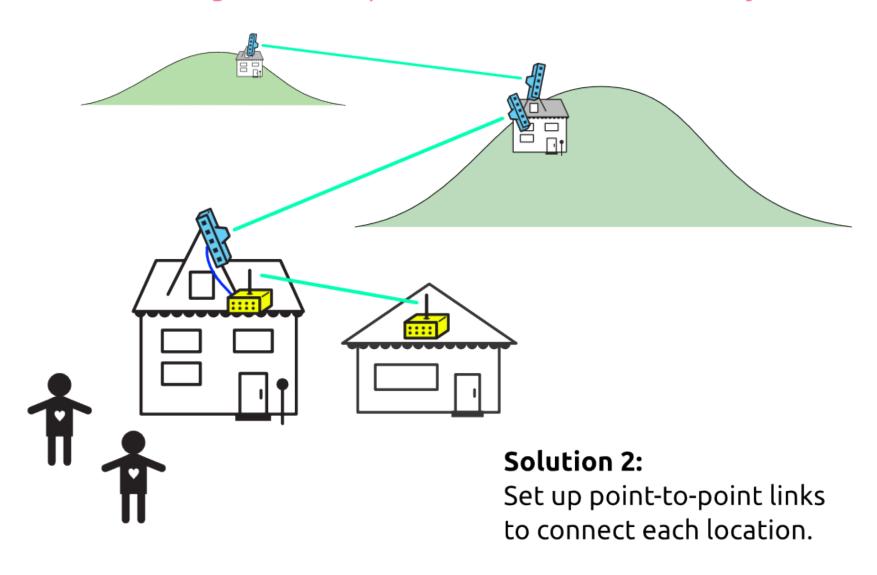
Problem: Two neighbors have potential links that are far away.



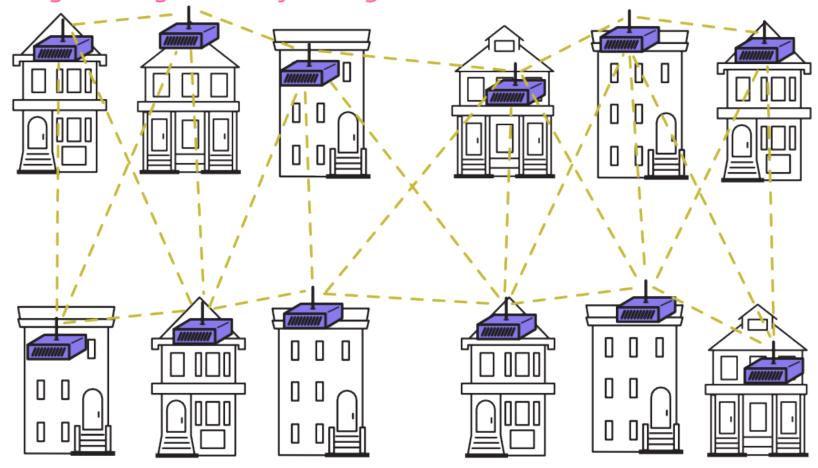
Problem: Two neighbors have potential links that are far away.



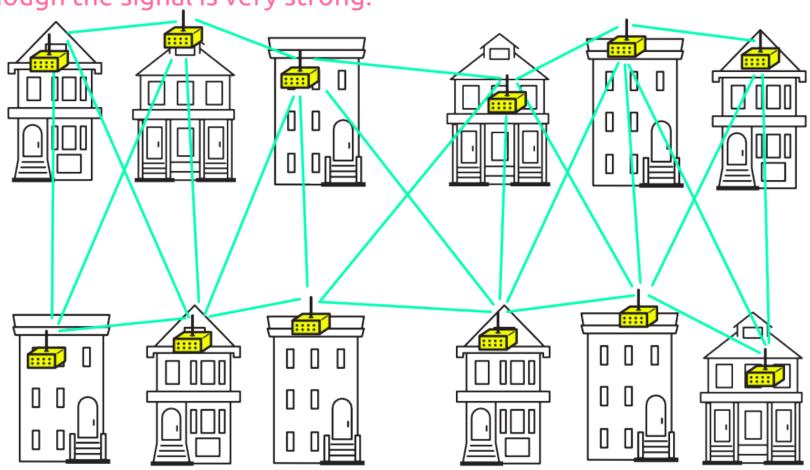
Problem: Two neighbors have potential links that are far away.



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

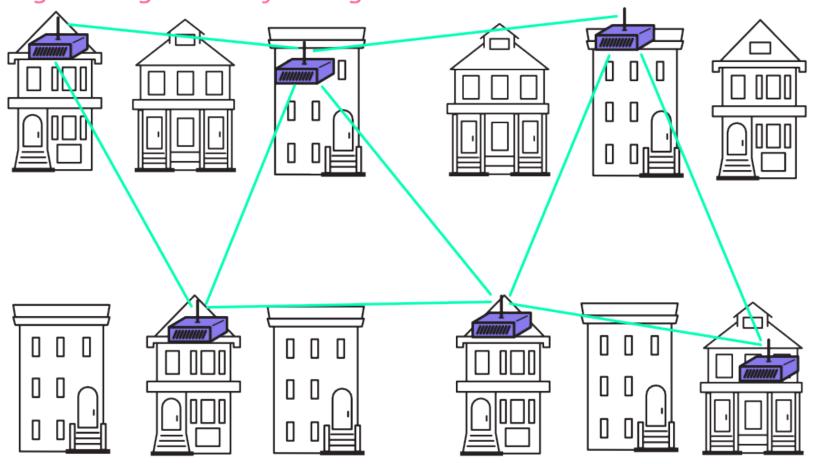


Problem: The routers seem slow and drop connections, though the signal is very strong.

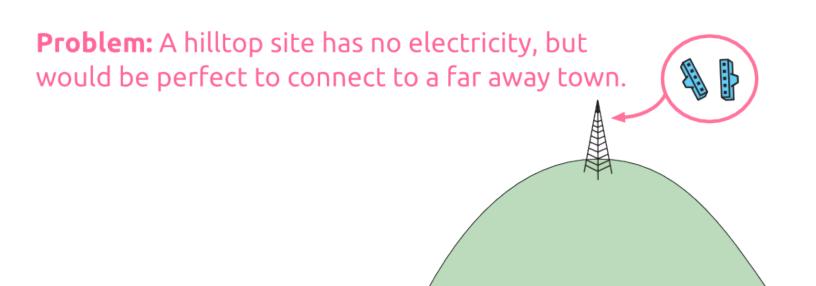


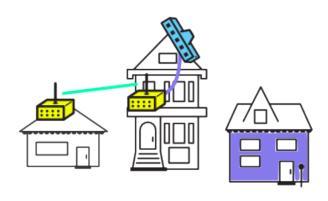
Solution 1: Switch to lower-powered nodes, or turn down the power if you can.

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

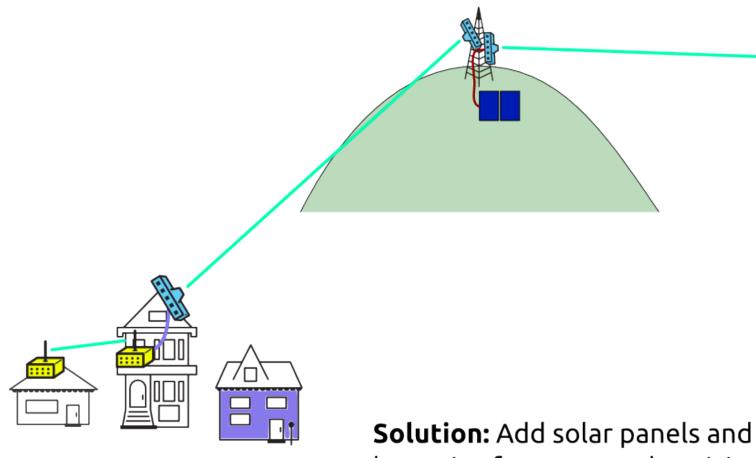


Solution 2: Remove a few nodes and have several neighbors connect to the closest node.

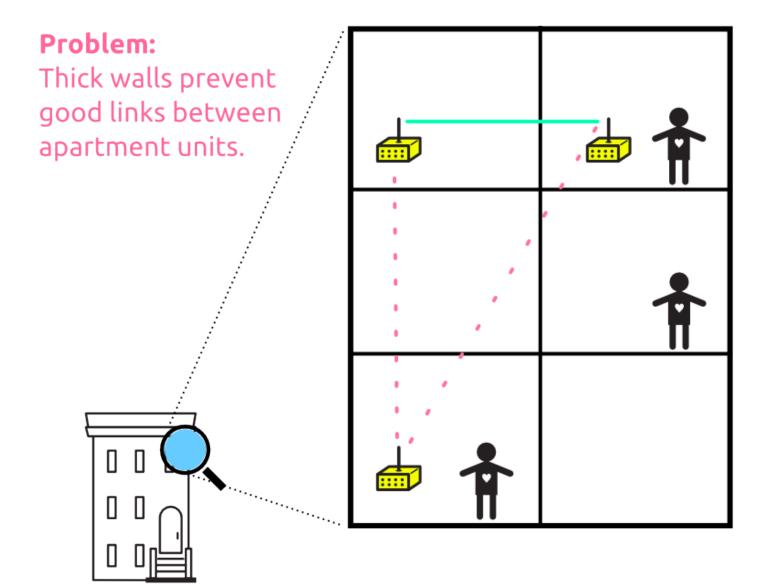


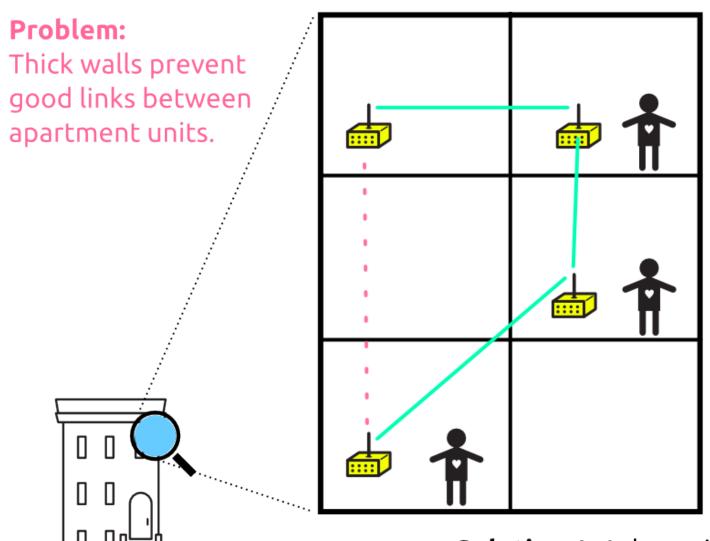


Problem: A hilltop site has no electricity, but would be perfect to connect to a far away town.

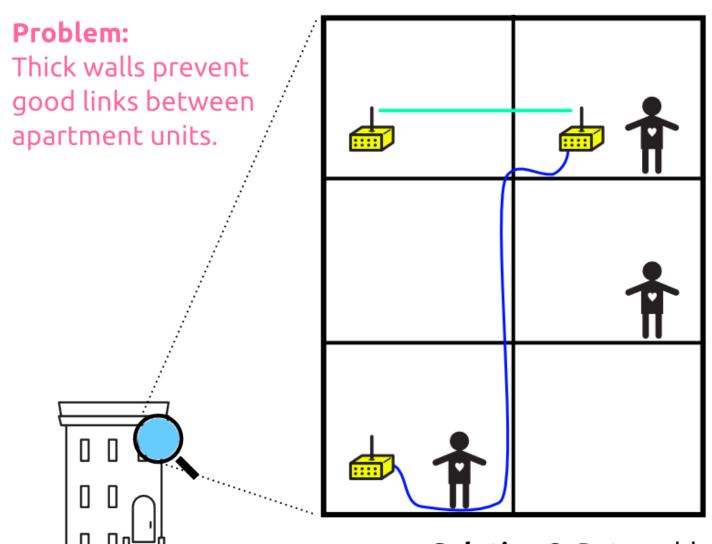


batteries for remote electricity.





Solution 1: Ask a neighbor to host a repeater node.

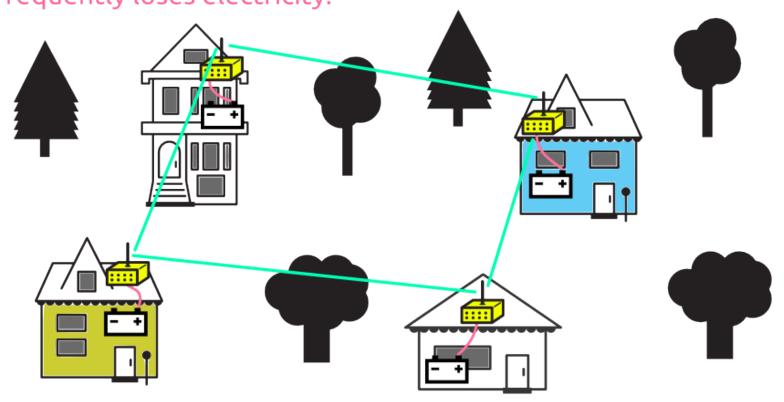


Solution 2: Put a cable between the routers to create a wired link.

Problem: Your neighborhood occasionally or frequently loses electricity.



Problem: Your neighborhood occasionally or frequently loses electricity.



Solution: Connect the nodes to backup batteries for electricity.