

Message: The program cannot move a roof edge to another without making one of its adjacent edges zero length or reversing it.

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The information in this article applies to:




## QUESTION

I am trying to join roof planes and keep encountering the following message:


"Cannot move one of the roof edges without making one of its adjacent edges zero length or reversing it. Try moving the roof edges manually closer to where you think they should meet before joining them. You may need to add or remove an edge to/from a roof plane."

## ANSWER

This message displays when you try to join two roof plane edges that, because of their positions, cannot be joined in a manner that would produce a logical roof design.

There is exactly one line along which any two planes can intersect, and it is this line that Chief Architect locates when you use the **Join Roof Planes**  edit tool to join two roof plane edges to form a hip, valley or ridge.

To resolve the problem described above, try changing the position or angle of the roof plane edges involved and then try to join the roof planes again.

In some situations, the problem isn't the edge positions or angles, but rather that part of one of the roof plane edges can successfully join the other edge while the other part of that same edge cannot. This can be addressed by adding a break to one or both of the roof plane edges in question using the **Break Line**  tool.

