

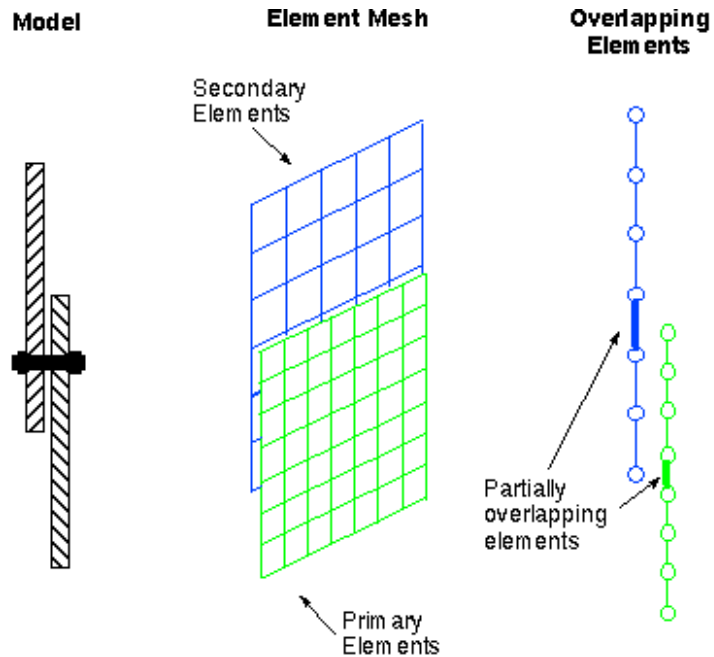
## Thermal Coupling Example - Bolted Joint

By using *Resistance* thermal couplings you can accurately model the additional thermal resistance of a mechanical joint without modeling the connection in detail.

1. Select one plate as the primary element set and the other as the secondary element set. Select the *Resistance* coupling type.
2. Enter the resistance. Values for resistance constants can be obtained from reference materials.
3. Toggle ON the *Only connect overlapping elements* option.
4. Select a *Thermal coupling resolution* from the menu.

### Remember:

- Because you selected the *Only connect overlapping elements* option, precise element selection is not critical. The software detects elements that overlap completely and those that overlap partially and establishes conductances accordingly. The resolution setting controls accuracy of the partially overlapping elements.



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