

## LG - Example 2

### LaGrit Example: Convert Hexahedra to 5, 6, 24 Tetrahedra

- hex\_to\_5\_6\_24\_tet\_edge
- hex\_to\_5\_6\_24\_tet\_face

#### input.lgi

```
*--* ex_hextotet_5_6
*--* Header Begin
*--* LAGriT Example Input file
* Carl Gable
* gable -at- lanl -dot- gov
*
*
*--* Create a single hex,
*--* Convert the hex to 6 tets,
*--* Convert the hex to 5 tets,
*--* Convert the hex to 24 tets,
*--* Use the TRANS command to translate each mesh to a new location
*--* Use the LOOP command to set the element id (itetclr),
*--* Put the three MO into a single MO
*--*
*--* -----
*--* Header End
*--* ex_hextotet_5_6
```