

Coarsen Nesting



```
graph TD; A([Coarsen Nesting]) --> B[Set this node to coarsen]; B --> C["If it has a neighbour  
AND  
If the neighbour is not a leaf node"]; C --> D[Remove the coarsen flag]; D --> E[Repeat this for every direction]; E --> C;
```

Set this node to coarsen

If it has a neighbour
AND
If the neighbour is not a leaf node

Remove the coarsen flag

Repeat this for every direction