

Eigen::IncompleteCholesky  
::factorize

Eigen::IncompleteLUT  
::factorize

Eigen::internal::QuickSplit

```
graph LR; A[Eigen::IncompleteCholesky::factorize] --> C[Eigen::internal::QuickSplit]; B[Eigen::IncompleteLUT::factorize] --> C;
```

The diagram illustrates the internal implementation of two Eigen factorization routines. Two white boxes on the left, 'Eigen::IncompleteCholesky::factorize' and 'Eigen::IncompleteLUT::factorize', have blue arrows pointing to a single gray box on the right, 'Eigen::internal::QuickSplit'. This indicates that both public routines delegate the core splitting logic to the same internal function.