

```
void culaFloatExample()
{
#ifdef NDEBUG
    int N = 8192;
#else
    int N = 1024;
#endif
    int NRHS = 1;
    int i;

    culaStatus status;

    culaFloat* A = NULL;
    culaFloat* B = NULL;
    culaFloat* X = NULL;
    culaInt* IPIV = NULL;

    culaFloat one = 1.0f;
    culaFloat thresh = 1e-6f;
    culaFloat diff;
```