_negate() — Negate real matrix

**Description**

_negate(X) speedily replaces \( X = -X \).

**Syntax**

```c
void _negate(real matrix X)
```

**Remarks and examples**

Coding _negate(X) executes more quickly than coding \( X = -X \).

However, coding

```c
B = A
_negate(B)
```

does not execute more quickly than coding

```c
B = -A
```

**Conformability**

_negate(X):

- **X**: \( r \times c \)
- **result**: void

**Diagnostics**

None. \( X \) may be a view.

**Also see**

[M-4] Utility — Matrix utility functions