```
function sub(uint256 x, uint256 y) public pure returns (uint256 z)
{    assembly {
        if gt(y, x) {
            z := sub(y, x) // gas: 8
            mstore(0x0, z)
            return(0x0, 32)
        }
        if gt(x, y) {
            z := sub(x, y) // gas: 8
            mstore(0x0, z)
            return(0x0, 32)
        }
        return(0x0, 32)
    }
}
```

```
•) forge test —match-test testSub

[#] Compiling...

[#] Compiling 2 files with 0.8.18

[#] Solc 0.8.18 finished in 931.12ms

Compiler run successful!

Running 1 test for test/Yull.t.sol:YullTest

[PASS] testSub() (gas: 5562)

Test result: ok. 1 passed; 0 failed; 0 skipped; finished in 3.32ms

Ran 1 test suites: 1 tests passed, 0 failed, 0 skipped (1 total tests)
```

```
function sub(uint256 x, uint256 y) public pure returns (uint256)
{    assembly {
        if gt(y, x) {
            mstore(0x0, sub(y, x))
            return(0x0, 32)
        }
        if gt(x, y) {
            mstore(0x0, sub(x, y))
            return(0x0, 32)
        }
    }
}
```

Ran 1 test suites: 1 tests passed, 0 failed, 0 skipped (1 total tests)