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**Rule 0.3** Use `unchecked{}` for validated operations.

```
[...]
contract <A> {
    [...]
    function <f>(<parameters>) [...] {
        [...]
        require(<B>);
        <P>
        <C>;
        [...]
    }
    [...]
}
[...]
```

=

```
[...]
contract <A> {
    [...]
    function <f>(<parameters>) [...] {
        [...]
        require(<B>);
        <P>
        unchecked {
            <C>;
        }
        [...]
    }
    [...]
}
[...]
```

**where**  $A$  and  $f$  are identifiers,  $B$  is a Boolean expression,  $P$  is a Solidity command,  $C$  is a statement involving an arithmetic expression,  $parameters$  is a list of identifiers, and [...] denotes Solidity constructs.

**provided** Condition  $B$  verifies that  $C$  will neither overflow nor underflow;  $P$  does not change any free variable that appears in the truth value of  $B$ .

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