
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 .
