# Option<T>

### is_some -> bool

| | |
|---|---|
| `Some(_)` | true |
| `None` | false |

### is_none -> bool

| | |
|---|---|
| `Some(_)` | false |
| `None` | true |

### unwrap -> T

| | |
|---|---|
| `Some(t)` | t |
| `None` | panic!() |

### unwrap_or -> T

| | |
|---|---|
| `Some(t)` | t |
| `None` | *default* |

### unwrap_or_else -> T

| | |
|---|---|
| `Some(t)` | t |
| `None` | *default()* |

### expect -> T

| | |
|---|---|
| `Some(t)` | t |
| `None` | panic!(*msg*) |

### map -> Option<U>

| | |
|---|---|
| `Some(t)` | Some(*f(*t*)*) |
| `None` | None |

### map_or -> U

| | |
|---|---|
| `Some(t)` | *f(*t*)* |
| `None` | *default* |

### map_or_else -> U

| | |
|---|---|
| `Some(t)` | *f(*t*)* |
| `None` | *default()* |

### and -> Option<U>

| | |
|---|---|
| `Some(_)` | *optb* |
| `None` | None |

### and_then -> Option<U>

| | |
|---|---|
| `Some(t)` | *f(*t*)* |
| `None` | None |

### or -> Option<T>

| | |
|---|---|
| `Some(_)` | self |
| `None` | *optb* |

### or_else -> Option<T>

| | |
|---|---|
| `Some(_)` | self |
| `None` | *optb()* |

# Result<T, E>

**is_ok -> bool**

| | |
|---|---|
| `Ok(_)` | true |
| `Err(_)` | false |

**is_err -> bool**

| | |
|---|---|
| `Ok(_)` | false |
| `Err(_)` | true |

**ok -> Option<T>**

| | |
|---|---|
| `Ok(t)` | t |
| `Err(_)` | None |

**err -> Option<T>**

| | |
|---|---|
| `Ok(_)` | None |
| `Err(e)` | e |

**map -> Result<U, E>**

| | |
|---|---|
| `Ok(t)` | Ok( *f(* t*)*) |
| `Err(e)` | Err(e) |

**map_err -> Result<T, F>**

| | |
|---|---|
| `Ok(t)` | Ok(t) |
| `Err(e)` | Err(*f(*e*)*) |

**and -> Result<U, E>**

| | |
|---|---|
| `Ok(_)` | *res* |
| `Err(e)` | Err(e) |

**and_then -> Result<U, E>**

| | |
|---|---|
| `Ok(t)` | *op(*t*)* |
| `Err(e)` | Err(e) |

**or -> Result<U, E>**

| | |
|---|---|
| `Ok(t)` | Ok(t) |
| `Err(_)` | *res* |

**or_else -> Result<U, E>**

| | |
|---|---|
| `Ok(t)` | Ok(t) |
| `Err(e)` | *op(*e*)* |

**unwrap -> T**

| | |
|---|---|
| `Ok(t)` | t |
| `Err(e)` | panic!(e) |

**unwrap_or -> T**

| | |
|---|---|
| `Ok(t)` | t |
| `Err(_)` | *optb* |

**unwrap_or_else -> T**

| | |
|---|---|
| `Ok(t)` | t |
| `Err(e)` | *optb(*e*)* |

**unwrap_err -> E**

| | |
|---|---|
| `Ok(t)` | panic!(t) |
| `Err(e)` | e |

**unwrap_err_or -> E**

| | |
|---|---|
| ... | ... |
| ... | ... |

**unwrap_err_or_else -> E**

| | |
|---|---|
| ... | ... |
| ... | ... |

**expect -> T**

| | |
|---|---|
| `Ok(t)` | t |
| `Err(e)` | panic!(*msg*, e) |

**expect_err -> E**

| | |
|---|---|
| ... | ... |
| ... | ... |