

Module sui::linked_table

Similar to [sui::table](#) but the values are linked together, allowing for ordered insertion and removal

Creates a new, empty table

Returns the key for the first element in the table, or None if the table is empty

Returns the key for the last element in the table, or None if the table is empty

Inserts a key-value pair at the front of the table, i.e. the newly inserted pair will be the first element in the table Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

Inserts a key-value pair at the back of the table, i.e. the newly inserted pair will be the last element in the table Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

Immutable borrows the value associated with the key in the table [table](#) : & [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

Mutably borrows the value associated with the key in the table [table](#) : & mut [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

Borrows the key for the previous entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

Borrows the key for the next entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

Returns the size of the table, the number of key-value pairs

Returns true iff the table is empty (if [length](#) returns 0)

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

Struct

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Creates a new, empty table

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Returns the key for the first element in the table, or None if the table is empty

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Returns the key for the last element in the table, or None if the table is empty

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Inserts a key-value pair at the front of the table, i.e. the newly inserted pair will be the first element in the table Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

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Inserts a key-value pair at the back of the table, i.e. the newly inserted pair will be the last element in the table Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

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Immutable borrows the value associated with the key in the table [table](#) : & [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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Mutably borrows the value associated with the key in the table [table](#) : & mut [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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Borrows the key for the previous entry of the specified key `k: K` in the table `table : & LinkedTable`. Returns `None` if the entry does not have a predecessor. Aborts with `sui::dynamic_field::EFieldDoesNotExist` if the table does not have an entry with that key `k: K`.

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Removes the key-value pair in the table `table : & mut LinkedTable` and returns the value. This splices the element out of the ordering. Aborts with `sui::dynamic_field::EFieldDoesNotExist` if the table does not have an entry with that key `k: K`. Note: this is also what happens when the table is empty.

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Removes the front of the table `table : & mut LinkedTable` and returns the value. Aborts with `ETableIsEmpty` if the table is empty.

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Removes the back of the table `table : & mut LinkedTable` and returns the value. Aborts with `ETableIsEmpty` if the table is empty.

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Returns true iff there is a value associated with the key `k: K` in table `table : & LinkedTable`.

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Returns the size of the table, the number of key-value pairs

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Returns true iff the table is empty (if [length](#) returns 0)

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Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

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Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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Struct

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Creates a new, empty table

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Returns the key for the first element in the table, or None if the table is empty

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Returns the key for the last element in the table, or None if the table is empty

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Inserts a key-value pair at the front of the table, i.e. the newly inserted pair will be the first element in the table Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

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Immutable borrows the value associated with the key in the table [table](#) : & [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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Mutably borrows the value associated with the key in the table [table](#) : & mut [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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```

Borrows the key for the previous entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

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Borrows the key for the next entry of the specified key `k: K` in the table `table : & LinkedTable`. Returns `None` if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key `k: K`

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Removes the key-value pair in the table `table : & mut LinkedTable` and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key `k: K`. Note: this is also what happens when the table is empty.

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Removes the front of the table `table : & mut LinkedTable` and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

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Removes the back of the table `table : & mut LinkedTable` and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

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Returns true iff there is a value associated with the key `k: K` in table `table : & LinkedTable`

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Returns the size of the table, the number of key-value pairs

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Returns true iff the table is empty (if [length](#) returns 0)

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Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

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Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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Constants

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Creates a new, empty table

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Returns the key for the first element in the table, or None if the table is empty

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Returns the key for the last element in the table, or None if the table is empty

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Inserts a key-value pair at the front of the table, i.e. the newly inserted pair will be the first element in the table. Aborts with [sui::dynamic\\_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

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Inserts a key-value pair at the back of the table, i.e. the newly inserted pair will be the last element in the table. Aborts with [sui::dynamic\\_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

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```

Immutable borrows the value associated with the key in the table [table](#) : & [LinkedTable](#) . Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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Mutably borrows the value associated with the key in the table [table](#) : & mut [LinkedTable](#) . Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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Borrows the key for the previous entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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Borrows the key for the next entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

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Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

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Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

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Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

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Returns the size of the table, the number of key-value pairs

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Returns true iff the table is empty (if [length](#) returns 0)

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Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

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Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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Function

Creates a new, empty table

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Returns the key for the first element in the table, or None if the table is empty

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Returns the key for the last element in the table, or None if the table is empty

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Inserts a key-value pair at the front of the table, i.e. the newly inserted pair will be the first element in the table Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

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Immutable borrows the value associated with the key in the table [table](#) : & [LinkedTable](#) . Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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Mutably borrows the value associated with the key in the table [table](#) : & mut [LinkedTable](#) . Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

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Borrows the key for the previous entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

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Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

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Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

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Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

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Returns the size of the table, the number of key-value pairs

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Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

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Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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## Function

Returns the key for the first element in the table, or None if the table is empty

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Returns the key for the last element in the table, or None if the table is empty

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Inserts a key-value pair at the front of the table, i.e. the newly inserted pair will be the first element in the table. Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

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Borrows the key for the next entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

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Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

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Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

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Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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## Function

Returns the key for the last element in the table, or None if the table is empty

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Inserts a key-value pair at the front of the table, i.e. the newly inserted pair will be the first element in the table Aborts with [sui::dynamic\\_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

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Borrows the key for the previous entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Borrows the key for the next entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
'''bash
```

```
'''
```



```
```bash
```

```
```
```

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns the size of the table, the number of key-value pairs

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns true iff the table is empty (if [length](#) returns 0)

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Function

Inserts a key-value pair at the front of the table, i.e. the newly inserted pair will be the first element in the table Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Inserts a key-value pair at the back of the table, i.e. the newly inserted pair will be the last element in the table. Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Immutable borrows the value associated with the key in the table [table](#) : & [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Mutably borrows the value associated with the key in the table [table](#) : & mut [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Borrows the key for the previous entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Borrows the key for the next entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Returns the size of the table, the number of key-value pairs

```
```bash
```

```
...
```

```
```bash
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```
...
```

Returns true iff the table is empty (if [length](#) returns 0)

```
```bash
```

```
...
```

```
```bash
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```
...
```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
```bash
```

```
...
```

```
```bash
```

```
...
```

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

```
```bash
```

```
...
```

```
```bash
```

```
'''
```

Function

Inserts a key-value pair at the back of the table, i.e. the newly inserted pair will be the last element in the table. Aborts with [sui::dynamic_field::EFieldAlreadyExists](#) if the table already has an entry with that key k: K.

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Immutable borrows the value associated with the key in the table [table](#) : & [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Mutably borrows the value associated with the key in the table [table](#) : & mut [LinkedTable](#) . Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Borrows the key for the previous entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Borrows the key for the next entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

```
'''bash
```

```
'''
```

```
```bash
```

```
```
```

Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
```
```

```
```bash
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```
```
```

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
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```

```
```bash
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```
```
```

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

```
```bash
```

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```
```

Returns the size of the table, the number of key-value pairs

```
```bash
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```bash
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```

Returns true iff the table is empty (if [length](#) returns 0)

```
```bash
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```
```bash
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```
```
```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
```bash
```

```
```
```

```
```bash
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```
```
```

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

```
```bash
```

```
'''
```

```
'''bash
```

```
'''
```

## Function

Immutable borrows the value associated with the key in the table [table](#) : & [LinkedTable](#) . Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Mutably borrows the value associated with the key in the table [table](#) : & mut [LinkedTable](#) . Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Borrows the key for the previous entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

```
'''bash
```

```
'''
```

```
'''bash
```

```
'''
```

Borrows the key for the next entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

```
'''bash
```

```
'''
```

```
'''bash
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```
'''
```

Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

```
'''bash
```

```
'''
```

```
'''bash
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```
'''
```

Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
```
```

```
```bash
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```
```
```

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
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```bash
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```
```
```

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

```
```bash
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```
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```bash
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```
```
```

Returns the size of the table, the number of key-value pairs

```
```bash
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```bash
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```
```

Returns true iff the table is empty (if [length](#) returns 0)

```
```bash
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```
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```

```
```bash
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```
```
```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

```
```bash
```

```
```
```

```
```bash
```

```
```
```

## Function

Mutably borrows the value associated with the key in the table [table](#) : & mut [LinkedTable](#) . Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K.

```
```bash
```

```
```
```

```
```bash
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```
```
```

Borrows the key for the previous entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Borrows the key for the next entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
```
```

```
```bash
```

```
```
```



Returns true iff there is a value associated with the key  $k: K$  in table [table](#) : & [LinkedTable](#)

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns the size of the table, the number of key-value pairs

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns true iff the table is empty (if [length](#) returns 0)

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Drop a possibly non-empty table. Usable only if the value type  $V$  has the [drop](#) ability

```
```bash
```

```
```
```

```
```bash
```

```
```
```

## Function

Borrows the key for the previous entry of the specified key  $k: K$  in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key  $k: K$

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Borrows the key for the next entry of the specified key  $k: K$  in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key  $k: K$

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic\\_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns the size of the table, the number of key-value pairs

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns true iff the table is empty (if [length](#) returns 0)

```
```bash
```

```
```
```

```
```bash
```

'''

Destroys an empty table. Aborts with [ETableNotEmpty](#) if the table still contains values

'''bash

'''

'''bash

'''

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

'''bash

'''

'''bash

'''

Function

Borrows the key for the next entry of the specified key k: K in the table [table](#) : & [LinkedTable](#) . Returns None if the entry does not have a predecessor. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K

'''bash

'''

'''bash

'''

Removes the key-value pair in the table [table](#) : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key k: K. Note: this is also what happens when the table is empty.

'''bash

'''

'''bash

'''

Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

'''bash

'''

'''bash

'''

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

'''bash

'''

'''bash

'''

Returns true iff there is a value associated with the key `k: K` in table `table` : & [LinkedTable](#)

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns the size of the table, the number of key-value pairs

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns true iff the table is empty (if [length](#) returns 0)

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Drop a possibly non-empty table. Usable only if the value type `V` has the [drop](#) ability

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Function

Removes the key-value pair in the table `table` : & mut [LinkedTable](#) and returns the value. This splices the element out of the ordering. Aborts with [sui::dynamic_field::EFieldDoesNotExist](#) if the table does not have an entry with that key `k: K`. Note: this is also what happens when the table is empty.

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Removes the front of the table `table` : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Returns the size of the table, the number of key-value pairs

```
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```

Returns true iff the table is empty (if [length](#) returns 0)

```
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```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
```bash
```

```
```
```

```
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```

```
```
```

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

```
```bash
```

```
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```

```
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```

Function

Removes the front of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
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```
```

```
```bash
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```
```
```

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
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```bash
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```
```

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

```
```bash
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```

Returns the size of the table, the number of key-value pairs

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```

Returns true iff the table is empty (if [length](#) returns 0)

```
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```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
```bash
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```
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```

```
```bash
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```
```
```

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Function

Removes the back of the table [table](#) : & mut [LinkedTable](#) and returns the value. Aborts with [ETableIsEmpty](#) if the table is empty

```
```bash
```

```
```
```

```
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```
```

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

```
```bash
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```

Returns the size of the table, the number of key-value pairs

```
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```

Returns true iff the table is empty (if [length](#) returns 0)

```
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```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
```bash
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```
```bash
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```
```
```

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

```
```bash
```

```
```
```

```
```bash
```

```
```
```

Function

Returns true iff there is a value associated with the key k: K in table [table](#) : & [LinkedTable](#)

```
```bash
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```
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```
```

Returns the size of the table, the number of key-value pairs

```
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```

Returns true iff the table is empty (if [length](#) returns 0)

```
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```

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

```
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Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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Function

Returns the size of the table, the number of key-value pairs

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Returns true iff the table is empty (if [length](#) returns 0)


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Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

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Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

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Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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Function

Destroys an empty table Aborts with [ETableNotEmpty](#) if the table still contains values

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Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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## Function

Drop a possibly non-empty table. Usable only if the value type V has the [drop](#) ability

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