

Documentation

[Hummingbird Document...](#) / [Hummingbird](#) / [RouterPath](#) / Sequence Implementations

API Collection

Sequence Implementations

Topics

Instance Properties

```
var async: AsyncSyncSequence<Self>
```

```
var lazy: LazySequence<Self>
```

Instance Methods

```
func allSatisfy((Self.Element) throws -> Bool) rethrows -> Bool
```

```
func compactMap<ElementOfResult>((Self.Element) throws -> ElementOfResult?) rethrows -> [ElementOfResult]
```

```
func compare<Comparator>(Comparator.Compared, Comparator.Compared) -> ComparisonResult
```

```
func contains(Self.Element) -> Bool
```

```
func contains(where: (Self.Element) throws -> Bool) rethrows -> Bool
```

```
func count<E>(where: (Self.Element) throws(E) -> Bool) throws(E) -> Int
```

```
func elementsEqual<OtherSequence>(OtherSequence) -> Bool
```

```
func elementsEqual<OtherSequence>(OtherSequence, by: (Self.Element, OtherSequence.Element) throws -> Bool) rethrows -> Bool
```

```
func enumerated() -> EnumeratedSequence<Self>

func filter(Predicate<Self.Element>) throws -> [Self.Element]

func filter((Self.Element) throws -> Bool) rethrows -> [Self.Element]

func first(where: (Self.Element) throws -> Bool) rethrows -> Self.Element?

func flatMap<SegmentOfResult>((Self.Element) throws -> SegmentOfResult) rethrows -> [SegmentOfResult.Element]

func flatMap<ElementOfResult>((Self.Element) throws -> ElementOfResult?) rethrows -> [ElementOfResult]
    Deprecated

func forEach((Self.Element) throws -> Void) rethrows

func formatted<S>(S) -> S.FormatOutput

func lexicographicallyPrecedes<OtherSequence>(OtherSequence, by: (Self.Element, Self.Element) throws -> Bool) rethrows -> Bool

func map<T, E>((Self.Element) throws(E) -> T) throws(E) -> [T]

func max(by: (Self.Element, Self.Element) throws -> Bool) rethrows -> Self.Element?

func min(by: (Self.Element, Self.Element) throws -> Bool) rethrows -> Self.Element?

func reduce<Result>(Result, (Result, Self.Element) throws -> Result) rethrows -> Result

func reduce<Result>(into: Result, (inout Result, Self.Element) throws -> ()) rethrows -> Result

func reversed() -> [Self.Element]

func shuffled() -> [Self.Element]

func shuffled<T>(using: inout T) -> [Self.Element]

func sorted(by: (Self.Element, Self.Element) throws -> Bool) rethrows -> [Self.Element]
```

```
func sorted<Comparator>(using: Comparator) -> [Self.Element]

func sorted<S, Comparator>(using: S) -> [Self.Element]

func starts<PossiblePrefix>(with: PossiblePrefix) -> Bool

func starts<PossiblePrefix>(with: PossiblePrefix, by: (Self.Element,
PossiblePrefix.Element) throws -> Bool) rethrows -> Bool

func withContiguousStorageIfAvailable<R>((UnsafeBufferPointer<Self.
Element>) throws -> R) rethrows -> R?
```
