Operator	Flowable	Observable	Maybe	Single	Completable
all	0	0	0	0	0
amb	•	O	•	•	0
ambArray	0	O	0	0	0
ambWith	•	0	•	•	0
andThen	O	O ₃	O	O	O
any	•	O	0	0	0
blockingAwait	O ₍₄₎	O	O	O	O
blockingFirst	•	O	O	O	O
blockingForEach	•	O	O®	O®	O ₈
blockingGet	O ₍₄₎	O ₍₄₎	•	•	O
blockingIterable	•	O	0	0	O
blockingLast	0	O	O	O	O

blockingLatest	O	O	O	O	O _(Z)
blockingMostRecent	•	O	O	O	O
blockingNext	②	O	O	O	O
blockingSingle	O	O	O	O	0
blockingStream	②	O	O	O	0
blockingSubscribe	②	O	O	O	O
buffer	②	O	O ₉	O ₍₁₀₎	O ₍₁₁₎
cache	O	O	O	O	O
cacheWithInitialCapacity	②	O	O ₍₁₂₎	O ₍₁₂₎	O ₍₁₂₎
cast	O	O	O	O	0
collect	②	O	O ₍₁₃₎	O ₍₁₄₎	O ₍₁₅₎
collectInto	O	O	O ₍₁₃₎	O ₍₁₄₎	O ₍₁₅₎
combineLatest	②	O	O ₍₁₆₎	O ₍₁₆₎	O ₍₁₇₎
combineLatestArray	•	O	O ₍₁₈₎	O ₍₁₈₎	O ₍₁₉₎
combineLatestArrayDelayError					

	O	O	O ₍₁₈₎	O ₍₁₈₎	O ₍₂₀₎
combineLatestDelayError	0	O	O ₍₁₆₎	O ₍₁₆₎	O ₍₂₁₎
complete	O ₍₂₂₎	O ₍₂₂₎	O ₍₂₂₎	O ₍₂₃₎	O
compose	O	O	O	Ø	0
concat	0	0	0	0	O
concatArray	0	O	O	0	O
concatArrayDelayError	O	O	O	Ø	O
concatArrayEager	O	O	O	Ø	O ₍₂₄₎
concatArrayEagerDelayError	O	O	O	O	O ₍₂₅₎
concatDelayError	O	O	O	O	Ø
concatEager	O	O	O	O	O ₍₂₆₎
concatEagerDelayError	O	O	O	O	O ₍₂₇₎
concatMap	O	O	O	O	O ₍₂₈₎
concatMapCompletable	O	O	O	O	O ₍₂₈₎
concatMapCompletableDelayError	O	O	O ₍₂₉₎	O ₍₂₉₎	O ₍₂₈₎

concatMapDelayError	•	•	O ₍₃₀₎	O ₍₃₀₎	O ₍₂₈₎
concatMapEager	•	②	O ₍₃₁₎	O ₍₃₁₎	O ₍₂₈₎
concatMapEagerDelayError	②	O	O ₍₃₁₎	O ₍₃₁₎	O ₍₂₈₎
concatMapIterable	②	O	O ₍₃₂₎	O ₍₃₂₎	O ₍₂₈₎
concatMapMaybe	②	O	O ₍₃₃₎	O	O ₍₂₈₎
concatMapMaybeDelayError	②	O	O ₍₃₄₎	O ₍₃₄₎	O ₍₂₈₎
concatMapSingle	②	O	O	O ₍₃₅₎	O ₍₂₈₎
concatMapSingleDelayError	②	②	O ₍₃₆₎	O ₍₃₆₎	O ₍₂₈₎
concatMapStream	②	O	O ₍₃₇₎	O ₍₃₇₎	O ₍₂₈₎
concatWith	②	②	O	O	②
contains	②	O	O	O	O ₍₂₎
count	②	O	O	O ₍₃₈₎	O ₍₃₉₎
create	②	O	O	O	Ø
debounce	②	②	O ₍₄₀₎	O ₍₄₀₎	O ₍₄₁₎
defaultIfEmpty	•	O	O	O ₍₂₃₎	O ₍₄₂₎

defer	0	O	O	O	O
delay	0	0	0	0	O
delaySubscription	0	O	O	O	O
dematerialize	•	0	0	0	O ₍₄₁₎
distinct	•	O	O ₍₄₃₎	O ₍₄₃₎	O ₍₄₁₎
distinctUntilChanged	•	O	O ₍₄₃₎	O ₍₄₃₎	O ₍₄₁₎
doAfterNext	O	O	O ₍₄₄₎	O ₍₄₄₎	0
doAfterSuccess	O ₍₄₅₎	O ₍₄₅₎	Ø	O	O ₍₄₁₎
doAfterTerminate	•	O	Ø	O	Ø
doFinally	•	O	O	O	O
doOnCancel	•	O ₍₄₆₎	O ₍₄₆₎	O ₍₄₆₎	O ₍₄₆₎
doOnComplete	•	O	O	O ₍₄₇₎	O
doOnDispose	O ₍₄₈₎	O	Ø	O	②
doOnEach	•	O	O ₍₄₉₎	O ₍₄₉₎	O ₍₄₁₎
doOnError					

	O	O	O	O	②
doOnEvent	O ₍₅₀₎	O ₍₅₀₎	O	Ø	O
doOnLifecycle	O	Ø	Ø	Ø	O
doOnNext	O	O	O ₍₅₁₎	O ₍₅₁₎	O ₍₄₁₎
doOnRequest	O	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎
doOnSubscribe	O	O	O	O	O
doOnSuccess	O ₍₅₃₎	O ₍₅₃₎	O	O	O ₍₄₁₎
doOnTerminate	O	O	O	O	O
elementAt	O	O	O ₍₅₄₎	O ₍₅₅₎	O ₍₄₁₎
elementAtOrError	O	O	O ₍₅₆₎	O ₍₅₅₎	O ₍₄₁₎
empty	O	O	O	O ₍₂₃₎	O ₍₅₇₎
error	O	O	O	O	②
filter	O	O	O	O	O ₍₄₁₎
first	O	O	O ₍₅₈₎	O ₍₅₉₎	O ₍₄₂₎
firstElement	O	O	0	O ₍₆₁₎	0

firstOrError	O	O	O (60)	O ₍₆₁₎	O ₍₆₂₎
firstOrErrorStage	O	②	O ₍₆₃₎	O ₍₆₃₎	O ₍₆₄₎
firstStage	O	O	O ₍₆₃₎	O ₍₆₃₎	O ₍₆₃₎
flatMap	O	O	O	O	O ₍₂₈₎
flatMapCompletable	O	O	O	O	O ₍₂₈₎
flatMapIterable	②	②	O ₍₃₂₎	O ₍₃₂₎	O ₍₂₈₎
flatMapMaybe	O	O	O ₍₆₅₎	O	O ₍₂₈₎
flatMapObservable	O ₆₆	O ₍₆₇₎	②	②	O ₍₂₈₎
flatMapPublisher	O ₍₆₇₎	O ₍₆₈₎	O	②	O ₍₂₈₎
flatMapSingle	O	②	②	O ₍₆₅₎	O ₍₂₈₎
flatMapStream	O	O	O ₍₃₇₎	O ₍₃₇₎	O ₍₂₈₎
flattenAsFlowable	O ₍₆₉₎	O (69)	②	②	O ₍₂₈₎
flattenAsObservable	O ₍₆₉₎	O (69)	O	O	O ₍₂₈₎
flattenStreamAsFlowable	O ₇₀	O ₇₀	②	②	O ₍₂₈₎
flattenStreamAsObservable	O ₇₀	O ₍₇₀₎	O	O	O ₍₂₈₎

forEach	O	O	O ₍₇₁₎	O ₍₇₁₎	O ₍₇₁₎
forEachWhile	•	O	O ₍₇₁₎	O ₍₇₁₎	O ₍₇₁₎
fromAction	②	O	O	O ₍₂₃₎	Ø
fromArray	②	O	O ₍₇₂₎	O ₍₇₃₎	O ₍₇₄₎
fromCallable	②	O	O	②	②
fromCompletable	•	O	O	O ₍₇₅₎	O ₍₇₆₎
fromCompletionStage	•	O	O	O	O
fromFuture	•	O	O	O	O
fromIterable	•	②	O ₍₇₂₎	O ₍₇₃₎	O ₍₇₄₎
fromMaybe	•	O	O ₍₇₆₎	O	O
fromObservable	•	O ₍₇₆₎	O	②	O
fromOptional	•	O	O	O ₍₇₃₎	O ₍₇₄₎
fromPublisher	•	•	Ø	②	O
fromRunnable	•	O	0	O ₍₂₃₎	O
fromSingle					

	②	②	O	O ₍₇₆₎	O
fromStream	0	0	O ₍₇₂₎	O ₍₇₃₎	O ₍₇₄₎
fromSupplier	•	•	O	O	Ø
generate	•	O	O ₍₇₇₎	O ₍₇₇₎	O ₍₇₇₎
groupBy	②	②	O ₍₇₈₎	O ₍₇₈₎	O ₍₇₉₎
groupJoin	•	•	O ₍₇₈₎	O ₍₇₈₎	O ₈₀
hide	O	O	O	O	Ø
ignoreElement	O ₍₈₁₎	O ₍₈₁₎	O	O	0
ignoreElements	•	•	O ₍₈₂₎	O ₍₈₂₎	0
interval	•	②	O ₈₃	O ₍₈₃₎	O ₍₈₃₎
intervalRange	•	•	O ₈₃	O ₈₃	O ₈₃
isEmpty	•	②	O	O ₍₅₉₎	0
join	•	②	O ₍₈₄₎	O ₍₈₄₎	O ₈₀
just	•	•	•	O	0
last	②	O	O ₍₅₈₎	O ₍₅₉₎	O ₍₄₂₎

lastElement	•	•	O (60)	O ₍₆₁₎	0
lastOrError	•	•	O ₍₆₀₎	O ₍₆₁₎	O ₆₂
lastOrErrorStage	•	•	O ₍₆₃₎	O ₍₆₃₎	O ₍₆₄₎
lastStage	②	②	O ₍₆₃₎	O ₆₃	O ₍₆₃₎
lift	②	O	O	O	Ø
map	•	•	②	②	O ₍₂₈₎
mapOptional	•	•	O	O	O ₍₂₈₎
materialize	•	•	O	②	O
merge	•	•	O	O	O
mergeArray	•	•	O	②	O
mergeArrayDelayError	•	•	•	②	O
mergeDelayError	•	•	O	②	O
mergeWith	•	•	•	O	O
never	•	•	•	②	O
observeOn	0	0	0	0	O

ofType	•	0	O	O	O ₍₈₅₎
onBackpressureBuffer	•	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎
onBackpressureDrop	•	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎
onBackpressureLatest	•	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎
onErrorComplete	•	O	O	②	O
onErrorResumeNext	•	•	Ø	②	O
onErrorResumeWith	•	O	Ø	②	O
onErrorReturn	•	O	Ø	O	O
onErrorReturnItem	•	②	Ø	②	O
onTerminateDetach	•	O	O	②	O
parallel	•	O ₈₆	O ₍₈₆₎	O ₍₈₆₎	O ₈₆
publish	•	O	O ₍₈₇₎	O ₈₈	O ₈₉
range	•	•	O ₉₀	O ₍₉₀₎	O ₍₇₄₎
rangeLong	•	•	O ₉₀	O ₉₀	O ₍₇₄₎
rebatchRequests					

	②	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎	O ₍₅₂₎
reduce	0	0	O ₍₉₁₎	O ₍₉₁₎	O ₍₉₂₎
reduceWith	0	0	O ₍₉₁₎	O ₍₉₁₎	O ₍₉₂₎
repeat	0	0	0	0	0
repeatUntil	0	0	Ø	Ø	0
repeatWhen	•	•	O	O	O
replay	•	•	O ₍₈₇₎	O ₈₈	O ₈₉
retry	•	•	O	O	O
retryUntil	•	②	O	②	O
retryWhen	②	O	O	O	Ø
safeSubscribe	②	②	O	O	Ø
sample	O	O	O (60)	O (60)	O ₍₄₁₎
scan	②	②	O ₍₉₁₎	O ₍₉₁₎	O ₍₉₂₎
scanWith	②	O	O ₍₉₁₎	O ₍₉₁₎	O ₍₉₂₎
sequenceEqual	O	O	O	O	②

serialize	•	•	O ₍₉₃₎	O ₍₉₃₎	O ₉₃
share	•	②	O ₍₈₇₎	O ₈₈	O ₈₉
single	②	O	O ₍₅₈₎	O ₍₅₉₎	O ₍₄₂₎
singleElement	②	O	O (60)	O ₍₆₁₎	0
singleOrError	②	O	O (60)	O ₍₆₁₎	O ₍₆₂₎
singleOrErrorStage	•	②	O ₍₆₃₎	O ₍₆₃₎	O ₍₆₄₎
singleStage	•	O	O ₍₆₃₎	O ₍₆₃₎	O ₍₆₃₎
skip	•	②	O ₆₀	O (60)	O (60)
skipLast	•	•	O ₍₆₀₎	O (60)	O ₍₆₀₎
skipUntil	•	②	O ₍₉₄₎	O ₍₉₄₎	O ₍₉₄₎
skipWhile	②	O	O ₍₉₅₎	O ₍₉₅₎	0
sorted	•	②	O ₍₇₈₎	O ₍₇₈₎	O ₍₇₈₎
startWith	•	O	O	O	O
startWithArray	•	②	O ₉₆	O (96)	O ₉₆
startWithItem	•	0	O ₍₉₇₎	O ₍₉₇₎	O ₉₇

startWithIterable	O	O	O ₍₉₈₎	O ₍₉₈₎	O ₍₉₈₎
subscribe	O	O	O	O	O
subscribeOn	O	O	O	②	Ø
subscribeWith	O	O	O	O	②
switchIfEmpty	O	O	②	O ₍₂₃₎	O ₍₉₉₎
switchMap	O	O	O ₍₁₀₀₎	O ₍₁₀₀₎	O ₍₂₈₎
switchMapCompletable	O	O	O ₍₁₀₀₎	O ₍₁₀₀₎	O ₍₂₈₎
switchMapCompletableDelayError	O	O	O ₍₁₀₀₎	O ₍₁₀₀₎	O ₍₂₈₎
switchMapDelayError	O	O	O ₍₁₀₀₎	O ₍₁₀₀₎	O ₍₂₈₎
switchMapMaybe	O	0	O ₍₁₀₀₎	O ₍₁₀₀₎	O ₍₂₈₎
switchMapMaybeDelayError	O	O	O ₍₁₀₀₎	O ₍₁₀₀₎	O ₍₂₈₎
switchMapSingle	O	0	O ₍₁₀₀₎	O ₍₁₀₀₎	O ₍₂₈₎
switchMapSingleDelayError	O	O	O ₍₁₀₀₎	O ₍₁₀₀₎	O ₍₂₈₎
switchOnNext	O	O	O	O	Ø
switchOnNextDelayError					

	O	O	O	O	②
take	0	0	0	O 60	O (60)
takeLast	0	0	0	O 60	O (60)
takeUntil	0	0	•	O	O
takeWhile	O	②	O ₍₉₅₎	O ₍₉₅₎	O ₍₂₎
test	0	0	•	O	O
throttleFirst	O	0	O ₍₄₀₎	O ₍₄₀₎	O ₍₄₁₎
throttleLast	O	O	O ₍₄₀₎	O ₍₄₀₎	O ₍₄₁₎
throttleLatest	O	②	O ₍₄₀₎	O ₍₄₀₎	O ₍₄₁₎
throttleWithTimeout	Ø	②	O ₍₄₀₎	O ₍₄₀₎	O ₍₄₁₎
timeInterval	O	②	②	O	O ₍₄₁₎
timeout	Ø	②	②	O	O
timer	O	O	•	O	O
timestamp	0	0	•	•	O ₍₄₁₎
to	Ø	②	O	O	O

toCompletionStage	O ₍₁₀₁₎	O ₍₁₀₁₎	O	O	O
toFlowable	O ₍₁₀₂₎	O	O	O	Ø
toFuture	O	O	O	O	②
toList	O	O	O ₍₁₃₎	O ₍₁₄₎	O ₍₁₅₎
toMap	O	O	O ₍₁₃₎	O ₍₁₄₎	O ₍₁₅₎
toMaybe	O ₍₁₀₃₎	O ₍₁₀₃₎	O ₍₁₀₂₎	O	Ø
toMultimap	O	O	O ₍₁₃₎	O ₍₁₄₎	O ₍₁₅₎
toObservable	O	O ₍₁₀₂₎	②	②	②
toSingle	O ₍₁₀₄₎	O ₍₁₀₄₎	O	O ₍₁₀₂₎	②
toSingleDefault	O ₍₁₀₅₎	O ₍₁₀₅₎	O ₍₁₀₆₎	O ₍₁₀₂₎	②
toSortedList	O	O	O ₍₁₃₎	O ₍₁₄₎	O ₍₁₅₎
unsafeCreate	O	②	②	②	②
unsubscribeOn	O	Ø	Ø	Ø	Ø
using	O	Ø	Ø	Ø	Ø
window	O	O	O ₍₁₀₇₎	O ₍₁₀₈₎	O ₍₁₀₉₎

withLatestFrom	0	O	O ₍₁₆₎	O ₍₁₆₎	O ₍₁₇₎
wrap	O ₍₁₁₀₎	Ø	O	Ø	O
zip	O	Ø	O	Ø	O ₍₁₁₁₎
zipArray	0	Ø	O	Ø	O ₍₁₁₂₎
zipWith	0	Ø	O	Ø	O ₍₁₁₃₎
237 operators	216	210	118	108	84

```
Notes
1 Use contains().
<sup>2</sup> Always empty.
<sup>3</sup> Use concatWith.
<sup>4</sup> Use <u>blockingFirst()</u>, <u>blockingSingle()</u> or <u>blockingLast()</u>.
<sup>5</sup> Use <u>blockingGet()</u>.
<sup>6</sup> At most one element to get. Use <u>blockingGet()</u>.
<sup>7</sup> No elements to get. Use <u>blockingAwait()</u>.
8 Use blockingSubscribe()
<sup>9</sup> Use <u>map()</u> and <u>switchIfEmpty()</u> to transform into a list/collection.
<sup>10</sup> Use \frac{map()}{map()} to transform into a list/collection.
<sup>11</sup> Always empty. Use <a href="mailto:andThen">andThen</a> () to bring in a list/collection.
12 At most one element to store. Use <a href="mailto:cache">cache</a> ()
13 At most one element to collect. Use <a href="map()">map()</a> and <a href="map()">switchIfEmpty()</a> to transform into a list/collection.
<sup>14</sup> One element to collect. Use <u>map ()</u> to transform into a list/collection.
<sup>15</sup> Always empty. Use <u>andThen ()</u> to bring in a collection.
<sup>16</sup> At most one element per source. Use zip().
<sup>17</sup> Always empty. Use <u>merge()</u>.
<sup>18</sup> At most one element per source. Use <a href="mailto:zipArray">zipArray</a>() .
<sup>19</sup> Always empty. Use <a href="mergeArray">mergeArray</a>() .
^{20} Always empty. Use _{\underline{\text{mergeArrayDelayError()}}} .
<sup>21</sup> Always empty. Use <a href="mailto:mergeDelayError">mergeDelayError</a>() .
<sup>22</sup> Use empty().
<sup>23</sup> Never empty.
```

²⁴ No items to keep ordered. Use mergeArray() .

```
<sup>25</sup> No items to keep ordered. Use <a href="mailto:mergeArrayDelayError">mergeArrayDelayError</a>() .
<sup>26</sup> No items to keep ordered. Use \underline{merge()}.
<sup>27</sup> No items to keep ordered. Use <a href="mergeDelayError">mergeDelayError</a>() .
<sup>28</sup> Always empty thus no items to map.
<sup>29</sup> Either the upstream fails (thus no inner) or the mapped-in source, but never both. Use
concatMapCompletable.
<sup>30</sup> Either the upstream fails (thus no inner) or the mapped-in source, but never both. Use <u>concatMap</u>.
31 At most one item to map. Use concatMap() .
32 At most one item. Use flattenAsFlowable or flattenAsObservable.
33 Use concatMap.
<sup>34</sup> Either the upstream fails (thus no inner) or the mapped-in source, but never both. Use concatMapMaybe.
35 Use concatMap().
<sup>36</sup> Either the upstream fails (thus no inner) or the mapped-in source, but never both. Use <a href="mailto:concatMapSingle">concatMapSingle</a>.
37 At most one item. Use flattenStreamAsFlowable or flattenStreamAsObservable.
<sup>38</sup> Never empty thus always 1.
<sup>39</sup> Always empty thus always 0.
<sup>40</sup> At most one item signaled so no subsequent items to work with.
<sup>41</sup> Always empty thus no items to work with.
<sup>42</sup> Always empty. Use <u>andThen()</u> to chose the follow-up sequence.
<sup>43</sup> At most one item, always distinct.
44 Different terminology. Use <a href="doAfterSuccess">doAfterSuccess</a>() .
45 Different terminology. Use <a href="doAfterNext">doAfterNext</a>() .
46 Different terminology. Use <a href="doOnDispose">doOnDispose</a> () .
<sup>47</sup> Always succeeds or fails, there is no onComplete signal.
<sup>48</sup> Different terminology. Use <u>doOnCancel()</u>.
49 At most one item. Use doOnEvent().
50 Use doOnEach()
<sup>51</sup> Different terminology. Use <u>doOnSuccess()</u>.
<sup>52</sup> Backpressure related and not supported outside Flowable.
<sup>53</sup> Different terminology. Use <u>doOnNext()</u>.
54 At most one item with index 0. Use defaultIfEmpty.
<sup>55</sup> Always one item with index 0.
<sup>56</sup> At most one item with index 0. Use toSingle.
57 Use complete().
58 At most one item. Use defaultIfEmpty.
<sup>59</sup> Always one item.
<sup>60</sup> At most one item, would be no-op.
<sup>61</sup> Always one item, would be no-op.
62 Always empty. Use <u>andThen()</u> and <u>error()</u>.
^{63} At most one item. Use _{\underline{\text{toCompletionStage()}}} .
64 Always empty. Use andThen(), error() and toCompletionStage().
65 Use flatMap().
66 Not supported. Use flatMap and toFlowable().
```

```
67 Use flatMap.
68 Not supported. Use flatMap and toObservable() .
69 Use flatMapIterable() .
70 Use flatMapStream() .
71 Use subscribe()
72 At most one item. Use <u>just()</u> or <u>empty()</u>.
<sup>73</sup> Always one item. Use <u>just()</u>.
<sup>74</sup> Always empty. Use <u>complete()</u>.
<sup>75</sup> Always error.
^{76} Use <u>wrap()</u>.
77 Use fromSupplier().
<sup>78</sup> At most one item.
<sup>79</sup> Always empty thus no items to group.
<sup>80</sup> Always empty thus no items to join.
81 Use ignoreElements()
82 Use ignoreElement().
83 At most one item. Use <u>timer()</u>.
84 At most one item. Use zip()
85 Always empty thus no items to filter.
^{86} Needs backpressure thus not supported outside \, Flowable \, .
<sup>87</sup> Connectable sources not supported outside Flowable and Observable . Use a MaybeSubject .
<sup>88</sup> Connectable sources not supported outside Flowable and Observable. Use a SingleSubject.
<sup>89</sup> Connectable sources not supported outside Flowable and Observable. Use a ConnectableSubject.
90 At most one item. Use just().
91 At most one item. Use map ().
<sup>92</sup> Always empty thus no items to reduce.
<sup>93</sup> At most one signal type.
^{94} At most one item. Use _{\underline{\text{takeUntil}}} .
95 At most one item. Use <u>filter()</u>.
96 Use startWith() and fromArray() of Flowable or Observable.
97 Use startWith() and just() of another reactive type.
98 Use startWith() and fromIterable() of Flowable or Observable .
99 Always empty. Use <a href="defaultIfEmpty">defaultIfEmpty()</a>.
100 At most one item. Use flatMap().
^{101}\,Use\ \underline{\text{firstStage}} , \underline{\text{lastStage}} or \underline{\text{singleStage}} .
<sup>102</sup> Would be no-op.
103 Use firstElement, lastElement or singleElement.
104 Use firstOrError, lastOrError or singleOrError.
^{105} Use _{\underline{\text{first}}} , _{\underline{\text{last}}} or _{\underline{\text{single}}} .
106 Use defaultIfEmpty()
107 Use map() and switchIfEmpty() to transform into a nested source.
108 Use map () to transform into a nested source.
```

```
109 Always empty. Use andThen() to bring in a nested source.
110 Use fromPublisher() .
111 Use merge() .
112 Use mergeArray() .
113 Use mergeWith() .
```

Under development

Currently, all intended operators are implemented.