



```

mergeTree : branchR → trunk → treeR
consTrunk  : *R → trunk → trunk
join       : a → aisle → aisle → zipperR
consAisle  : branchR → aisle → aisle
mergeBranch : a → trunk → branchR

```

← leaf

← left, right

1 consAisle the branches with the left to aisle

 $b \rightarrow ai \rightarrow ai$

2 join the value a with the aisles to yield zipperResult

 $a \rightarrow ai \rightarrow ai \rightarrow z$

3 consTrunk the zippers with the leaf to trunk

 $z \rightarrow t \rightarrow t$

4 mergeBranch a to trunk to yield branchResult

 $a \rightarrow t \rightarrow b$

5 mergeTree branchResult to trunk to yield treeResult

 $b \rightarrow t \rightarrow e$