Reduction in MapReduce

What does \( \text{reduce-arbitrarily list '(0 1 2 3 4 5)} \) do?

- \( (((0 1) (2 3)) (4 5)) \)
- \( (0 ((1 (2 3)) 4)) 5 \)

Depending on the order in which values are chosen, the same function call can give different results.

Two neighboring values are chosen on a first-come, first-serve basis.

However, if you use an associative reducer, such as + or *, the result will always be the same!