

# Map-Reduce

## Exemplo

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*(input) -> map(k1, v1) -> list(k2, v2) ->*

Nuggets	(Nuggets, 1)
Nugs	(Nugs, 1)
Nuggets	(Nuggets, 1)
Nugs	(Nugs, 1)
Nugz	(Nugz, 1)
Nug	(Nug, 1)
Nuggets	(Nuggets, 1)

*shuffle/sort -> reduce(k2, list(v2)) -> list(k3, v3) -> (output)*

(Nug, 1)	(Nug, 1)	Nug, 1
(Nuggets, [1, 1, 1])	(Nuggets, 3)	Nuggets, 3
(Nugs, [1, 1])	(Nugs, 2)	Nugs, 2
(Nugz, 1)	(Nugz, 1)	Nugz, 1

*(input) -> map(k1, v1) -> list(k2, v2) -> combine(k2, list(v2)) -> list(k2, v2) ->*

Nuggets	(Nuggets, 1)	(Nuggets, 2)
Nugs	(Nugs, 1)	(Nugs, 2)
Nuggets	(Nuggets, 1)	(Nugz, 1)
Nugs	(Nugs, 1)	(Nug, 1)
Nugz	(Nugz, 1)	(Nuggets, 1)
Nug	(Nug, 1)	
Nuggets	(Nuggets, 1)	

*shuffle/sort -> reduce(k2, list(v2)) -> list(k3, v3) -> (output)*

(Nug, 1)	(Nug, 1)	Nug, 1
(Nuggets, [2, 1])	(Nuggets, 3)	Nuggets, 3
(Nugs, [2])	(Nugs, 2)	Nugs, 2
(Nugz, 1)	(Nugz, 1)	Nugz, 1