

tables (relation **)

tables[0] | tables[1] | (relation *)

↓ tables[0][0]
num_tuples = x
tuples

↓ tables[1][0]
num_tuples = y
tuples (relation)

0 | key = ... payload = ... | tables[0][0].tuples[0]
1 | key = ... payload = ... | tables[0][0].tuples[1]
...
x-1 | key = ... payload = ... | tables[0][0].tuples[x-1]

0 | key = ... payload = ... | tables[1][0].tuples[0]
1 | key = ... payload = ... | tables[1][0].tuples[1]
2 | key = ... payload = ... | tables[1][0].tuples[2]
...
y-1 | key = ... payload = ... | tables[1][0].tuples[y-1]

hist (int **) $\xrightarrow{y \rightarrow R}$ hist[0] $\xrightarrow{y \rightarrow S}$ hist[1] (int *)

0 1 buckets-1
[] [] ... []
0 1 buckets-1
[] [] ... []

(int)

psum (int **) $\xrightarrow{y \rightarrow R}$ psum[0] $\xrightarrow{y \rightarrow S}$ psum[1] (int *)

0 1 buckets-1
[] [] ... []
0 1 buckets-1
[] [] ... []

(int)