

L

(L, C): NNZ_L

(0, 0): 0.5
 (0, 3): 0.2
 (1, 0): 0.1
 (1, 1): 0.8
 (1, 3): 0.9
 ...

R

(R, C): NNZ_R

(0, 0): 0.02
 (0, 1): 1.0
 (1, 1): 0.125
 (1, 2): 0.1
 (0, 3): 0.45
 (1, 3): 0.1
 ...

(1)

Input COO

 L_T C T_L

| | | |
|---|---|---|
| | 0 | 0 |
| 0 | 1 | 1 |
| | 3 | 1 |

(2)

Tile HT_R , HT_L R_T C T_R

| | | |
|---|---|---|
| | 0 | 0 |
| | 1 | 1 |
| 0 | 2 | 1 |
| | 3 | 0 |
| | | 1 |

 $T_L = 2$ $T_R = 2$

R

C

C

L

0.5 0 0 0.2
 0.1 0.8 0 0.9

| | |
|----------|--|
| 0.02 1.0 | |
| 0 0.125 | |
| 0 0.1 | |
| 0.45 0.1 | |

| | |
|-------|--|
| 0.1 0 | |
| 0 0.2 | |

(3)

Co-iteration and accumulation

0.1 → 0.2 → ...

(4)

Drain to COO