Matrix = row=5, col=4

	0	1	2	3
0	1			2
1	3	4		
2				
3		5		
4			6	7

=>

Vals

	0	1
0	1	2
1	3	4
2	0	0
3	0	5
4	6	7

A1-pos = 5
A1-crd = -1 > Number of rows → 0
A1-tile-pos = 2
A1-tile-crd = -1 > Number of cols → 0

A2-pos = -1
A2-crd = [0, 3, 0, 1, 0, 1, 0, 1, 2, 3] → Col idx → 5
Aval = [1, 2, 3, 4, 0, 0, 0, 5, 6, 7]

↳ cols

	0	1
0	0	3
1	0	1
2	0	1
3	0	1
4	2	3

for i → 5
  for j → 2 → [0, 1, 2, 3, 4, 5, 6, 7, 8, 9
  [0, 3 → A2-crd (col) = j'
  [1, 2 → Aval

col1 = 4

should get: $k * col_2^S + j$

0, 0
1, 0
2, 0
3, 0

i, j, k
0 1 2

allPerms = [[0, 2], [1], [1, 2]]
allFormats = [D, ELL, D]
allBlock = [[D, UNK], [UNK, UNK]]

For allBlock in SCF generator
  if allBlock[i] != UNK:
    gen inner block loop
    gen local "i" var (or whatever)
    ↳ Dimensions fetched from sparse tensor construct