rt<bf16, 1, 1, row> layout

Lane and Register to [Row, Column]

thread registers, 0x stands for .data[0].x

thread lane	0x	0y	1x	1y	2x	2y	3x	3y
0	[0, 0]	[0, 1]	[8, 0]	[8, 1]	[0, 8]	[0, 9]	[8, 8]	[8, 9]
1	[0, 2]	[0, 3]	[8, 2]	[8, 3]	[0,10]	[0,11]	[8,10]	[8,11]
2	[0, 4]	[0, 5]	[8, 4]	[8, 5]	[0,12]	[0,13]	[8,12]	[8,13]
3	[0, 6]	[0, 7]	[8, 6]	[8, 7]	[0,14]	[0,15]	[8,14]	[8,15]
4	[1, 0]	[1, 1]	[9, 0]	[9, 1]	[1, 8]	[1, 9]	[9, 8]	[9, 9]
5	[1, 2]	[1, 3]	[9, 2]	[9, 3]	[1,10]	[1,11]	[9,10]	[9,11]
6	[1, 4]	[1, 5]	[9, 4]	[9, 5]	[1,12]	[1,13]	[9,12]	[9,13]
7	[1, 6]	[1, 7]	[9, 6]	[9, 7]	[1,14]	[1,15]	[9,14]	[9,15]
8	[2, 0]	[2, 1]	[10, 0]	[10, 1]	[2, 8]	[2, 9]	[10, 8]	[10, 9]
9	[2, 2]	[2, 3]	[10, 2]	[10, 3]	[2,10]	[2,11]	[10,10]	[10,11]
10	[2, 4]	[2, 5]	[10, 4]	[10, 5]	[2,12]	[2,13]	[10,12]	[10,13]
11	[2, 6]	[2, 7]	[10, 6]	[10, 7]	[2,14]	[2,15]	[10,14]	[10,15]
12	[3, 0]	[3, 1]	[11, 0]	[11, 1]	[3, 8]	[3, 9]	[11, 8]	[11, 9]
13	[3, 2]	[3, 3]	[11, 2]	[11, 3]	[3,10]	[3,11]	[11,10]	[11,11]
14	[3, 4]	[3, 5]	[11, 4]	[11, 5]	[3,12]	[3,13]	[11,12]	[11,13]
15	[3, 6]	[3, 7]	[11, 6]	[11, 7]	[3,14]	[3,15]	[11,14]	[11,15]
16	[4, 0]	[4, 1]	[12, 0]	[12, 1]	[4, 8]	[4, 9]	[12, 8]	[12, 9]
17	[4, 2]	[4, 3]	[12, 2]	[12, 3]	[4,10]	[4,11]	[12,10]	[12,11]
18	[4, 4]	[4, 5]	[12, 4]	[12, 5]	[4,12]	[4,13]	[12,12]	[12,13]
19	[4, 6]	[4, 7]	[12, 6]	[12, 7]	[4,14]	[4,15]	[12,14]	[12,15]
20	[5, 0]	[5, 1]	[13, 0]	[13, 1]	[5, 8]	[5, 9]	[13, 8]	[13, 9]
21	[5, 2]	[5, 3]	[13, 2]	[13, 3]	[5,10]	[5,11]	[13,10]	[13,11]
22	[5, 4]	[5, 5]	[13, 4]	[13, 5]	[5,12]	[5,13]	[13,12]	[13,13]
23	[5, 6]	[5, 7]	[13, 6]	[13, 7]	[5,14]	[5,15]	[13,14]	[13,15]
24	[6, 0]	[6, 1]	[14, 0]	[14, 1]	[6, 8]	[6, 9]	[14, 8]	[14, 9]
25	[6, 2]	[6, 3]	[14, 2]	[14, 3]	[6,10]	[6,11]	[14,10]	[14,11]
26	[6, 4]	[6, 5]	[14, 4]	[14, 5]	[6,12]	[6,13]	[14,12]	[14,13]
27	[6, 6]	[6, 7]	[14, 6]	[14, 7]	[6,14]	[6,15]	[14,14]	[14,15]
28	[7, 0]	[7, 1]	[15, 0]	[15, 1]	[7, 8]	[7, 9]	[15, 8]	[15, 9]
29	[7, 2]	[7, 3]	[15, 2]	[15, 3]	[7,10]	[7,11]	[15,10]	[15,11]
30	[7, 4]	[7, 5]	[15, 4]	[15, 5]	[7,12]	[7,13]	[15,12]	[15,13]
31	[7, 6]	[7, 7]	[15, 6]	[15, 7]	[7,14]	[7,15]	[15,14]	[15,15]

Tile Location to lane:register, 0x stands for .data[0].x

tile columns

tile rows	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	0:0x	0:0y	1:0x	1:0y	2:0x	2:0y	3:0x	3:0y	0:2x	0:2y	1:2x	1:2y	2:2x	2:2y	3:2x	3:2y
1	4:0x	4:0y	5:0x	5:0y	6:0x	6:0y	7:0x	7:0y	4:2x	4:2y	5:2x	5:2y	6:2x	6:2y	7:2x	7:2y
2	8:0x	8:0y	9:0x	9:0y	10:0x	10:0y	11:0x	11:0y	8:2x	8:2y	9:2x	9:2y	10:2x	10:2y	11:2x	11:2y
3	12:0x	12:0y	13:0x	13:0y	14:0x	14:0y	15:0x	15:0y	12:2x	12:2y	13:2x	13:2y	14:2x	14:2y	15:2x	15:2y
4	16:0x	16:0y	17:0x	17:0y	18:0x	18:0y	19:0x	19:0y	16:2x	16:2y	17:2x	17:2y	18:2x	18:2y	19:2x	19:2y
5	20:0x	20:0y	21:0x	21:0y	22:0x	22:0y	23:0x	23:0y	20:2x	20:2y	21:2x	21:2y	22:2x	22:2y	23:2x	23:2y
6	24:0x	24:0y	25:0x	25:0y	26:0x	26:0y	27:0x	27:0y	24:2x	24:2y	25:2x	25:2y	26:2x	26:2y	27:2x	27:2y
7	28:0x	28:0y	29:0x	29:0y	30:0x	30:0y	31:0x	31:0y	28:2x	28:2y	29:2x	29:2y	30:2x	30:2y	31:2x	31:2y
8	0:1x	0:1y	1:1x	1:1y	2:1x	2:1y	3:1x	3:1y	0:3x	0:3y	1:3x	1:3y	2:3x	2:3y	3:3x	3:3y
9	4:1x	4:1y	5:1x	5:1y	6:1x	6:1y	7:1x	7:1y	4:3x	4:3y	5:3x	5:3y	6:3x	6:3y	7:3x	7:3y
10	8:1x	8:1y	9:1x	9:1y	10:1x	10:1y	11:1x	11:1y	8:3x	8:3y	9:3x	9:3y	10:3x	10:3y	11:3x	11:3y
11	12:1x	12:1y	13:1x	13:1y	14:1x	14:1y	15:1x	15:1y	12:3x	12:3y	13:3x	13:3y	14:3x	14:3y	15:3x	15:3y
12	16:1x	16:1y	17:1x	17:1y	18:1x	18:1y	19:1x	19:1y	16:3x	16:3y	17:3x	17:3y	18:3x	18:3y	19:3x	19:3y
13	20:1x	20:1y	21:1x	21:1y	22:1x	22:1y	23:1x	23:1y	20:3x	20:3y	21:3x	21:3y	22:3x	22:3y	23:3x	23:3y
14	24:1x	24:1y	25:1x	25:1y	26:1x	26:1y	27:1x	27:1y	24:3x	24:3y	25:3x	25:3y	26:3x	26:3y	27:3x	27:3y
15	28:1x	28:1y	29:1x	29:1y	30:1x	30:1y	31:1x	31:1y	28:3x	28:3y	29:3x	29:3y	30:3x	30:3y	31:3x	31:3y