I

1	5	8
5	4	7
8	6	9

3x3

R

5	4
8	5

2x2

C

0	0
0	0

2x2

$$C(r,s) = \frac{\sum_{ij} I(i+r,j+s)R(i,j) - (\sum_{ij} I)(\overline{R})}{1 + \sqrt{\sum_{ij} I^2(i+r, j+s) - \frac{(\sum_{ij} I)^2}{K}}\ S\_R}$$

$\overline{R} = 5.5 \quad S\_R = 3 \quad K = 4$

C(0,0)

1 5	5 4	8
5 8	4 5	7
8	6	9

$$C(0,0) = \frac{85 - 15(5,5)}{1 + (\sqrt{67 - \frac{15^2}{4}})(3)} = 0.23$$

C

0.23	0
0	0

C(0,1)

1	5 5	8 4
5	4 8	7 5
8	6	9

$$C(0,1) = \frac{124 - 24(5,5)}{1 + (\sqrt{154 - \frac{24^2}{4}})(3)} = -0.76$$

C

0.23	-0.76
0	0

C(1,0)

1	5	8
5 5	4 4	7
8 8	6 5	9

$$C(1,0) = \frac{135 - 23(5,5)}{1 + (\sqrt{141 - \frac{23^2}{4}})(3)} = 0.86$$

C

0.23	-0.76
0.86	0

C(1,1)

1	5	8
5	4 5	7 4
8	6 8	9 5

$$C(1,1) = \frac{141 - 26(5,5)}{1 + (\sqrt{182 - \frac{26^2}{4}})(3)} = -0.17$$

C

0.23	-0.76
0.86	-0.17

I

1	5	8
5	4	7
8	6	9

R

5	4
8	5