Computação Básica

Disciplina 116301

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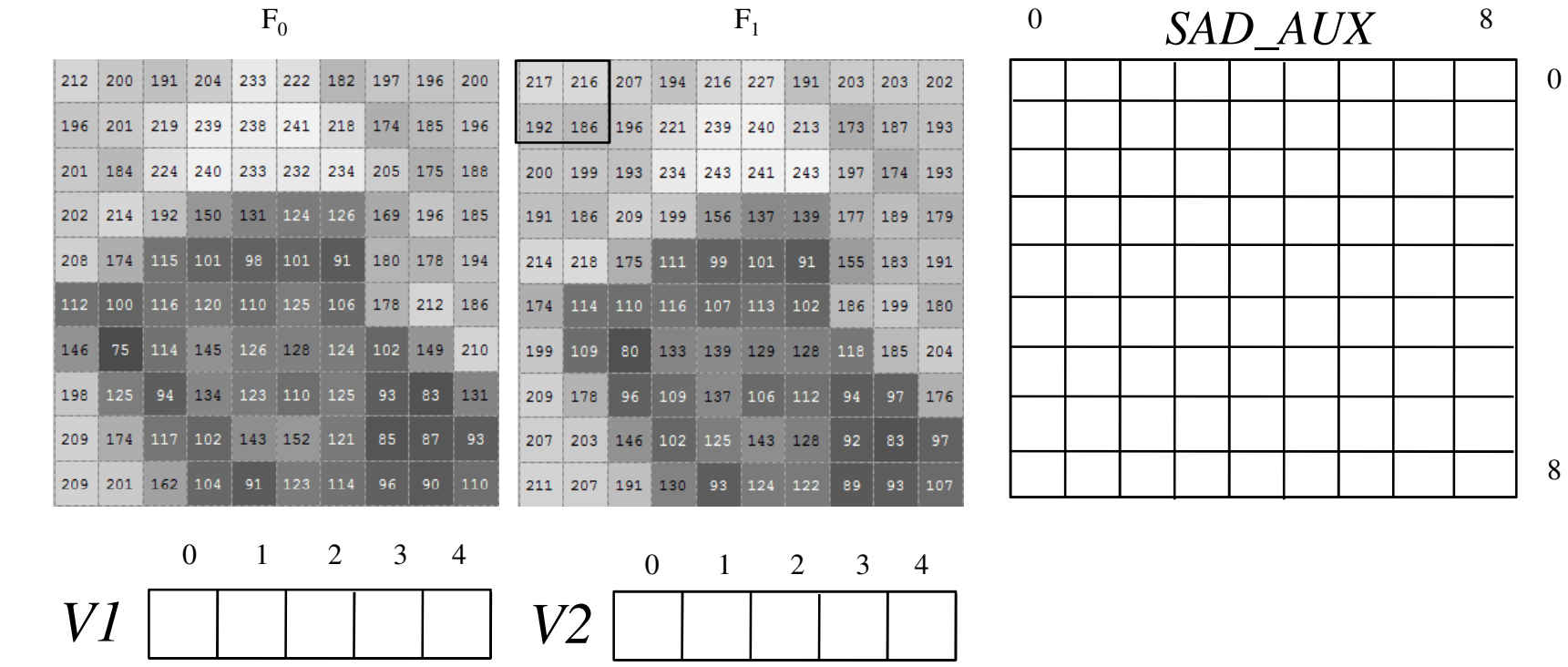
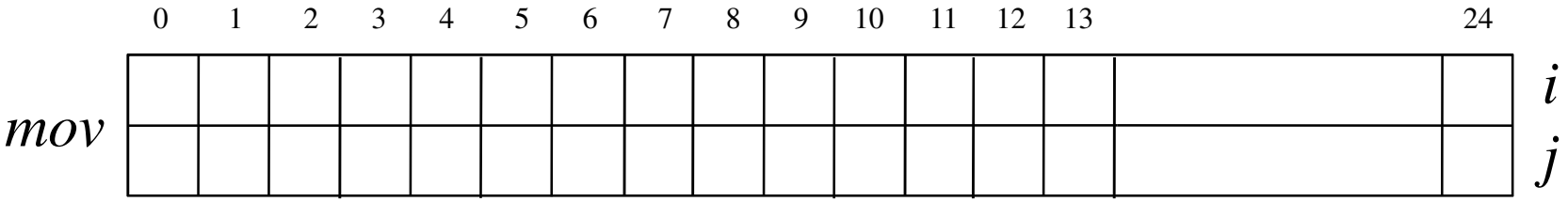
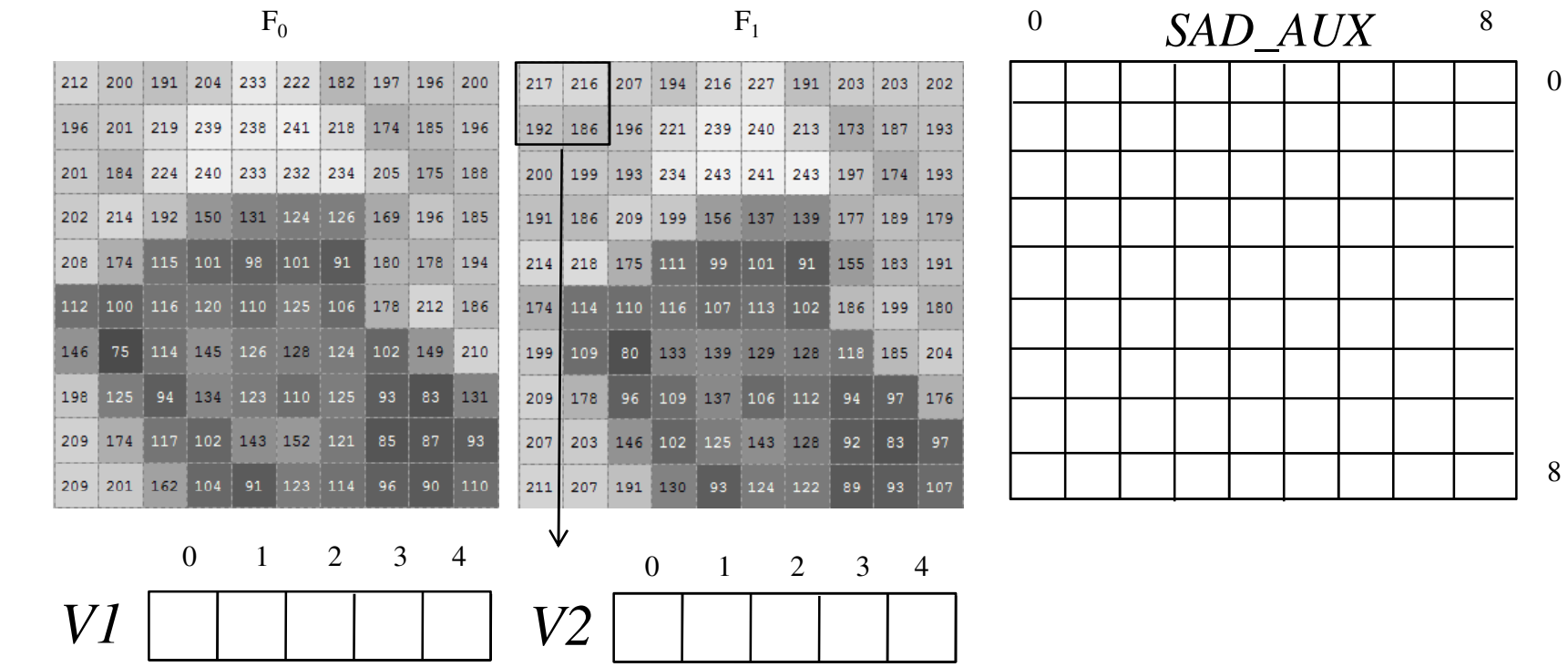
Instituto de Ciências Exatas
Departamento de Ciência da Computação

Trabalho 2 – Problema 1

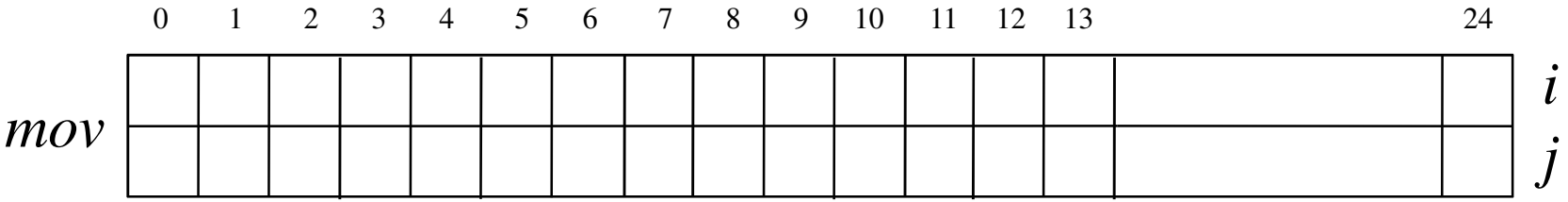


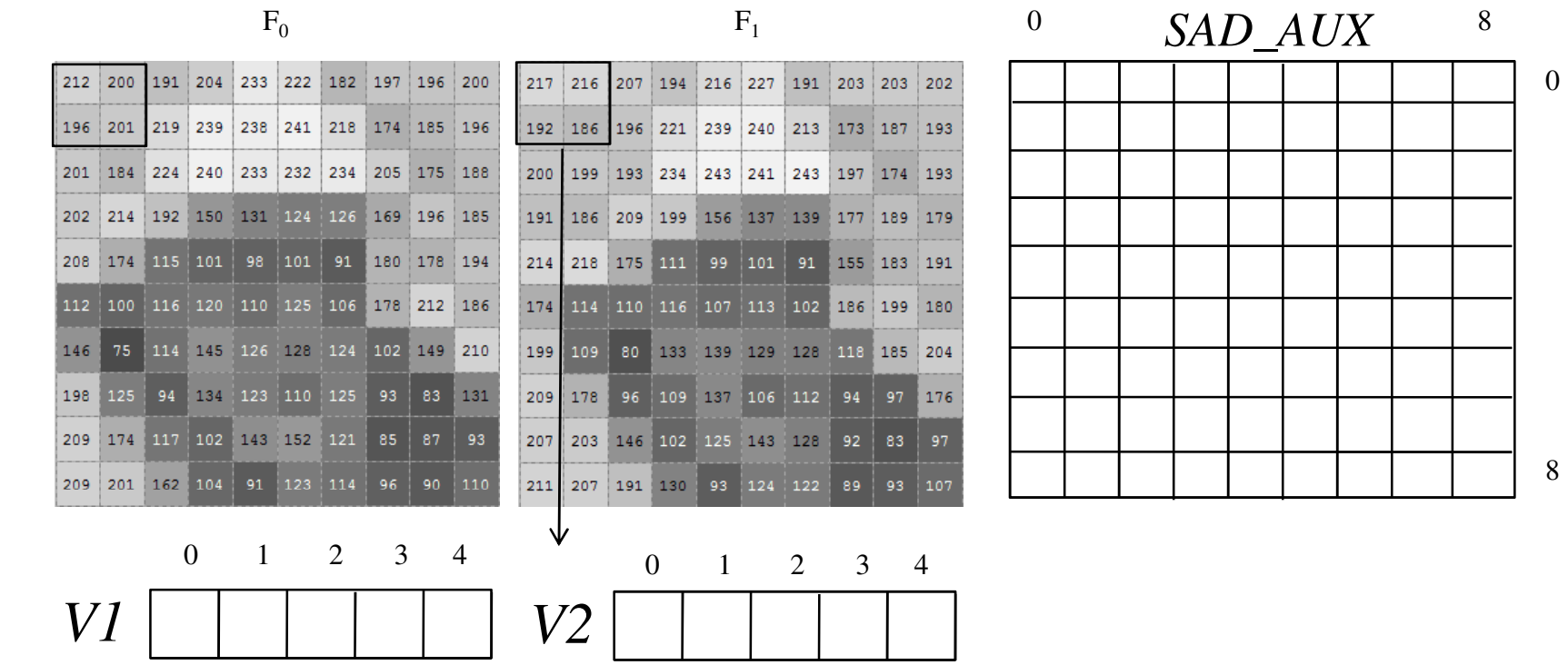
*SAD = calc_sad(int *V1, int *V2)*



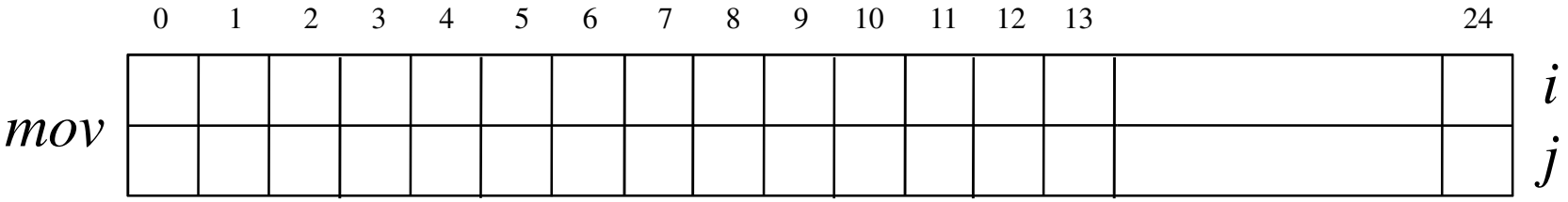


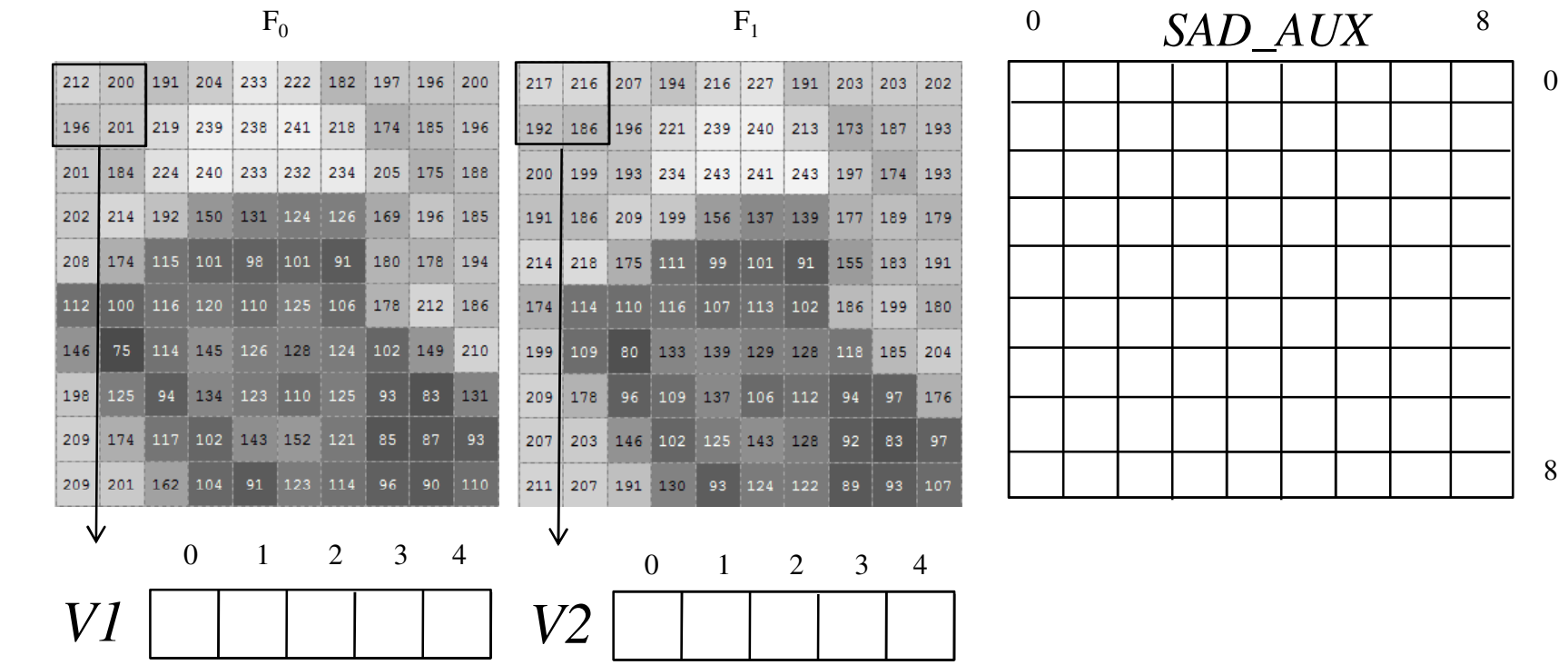
*SAD = calc_sad(int *V1, int *V2)*



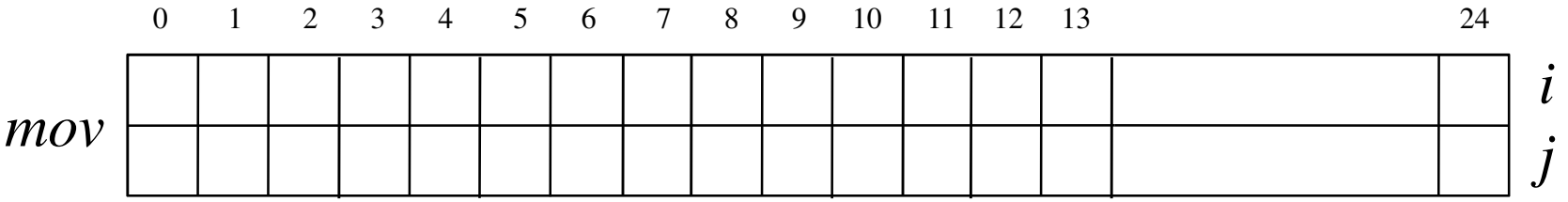


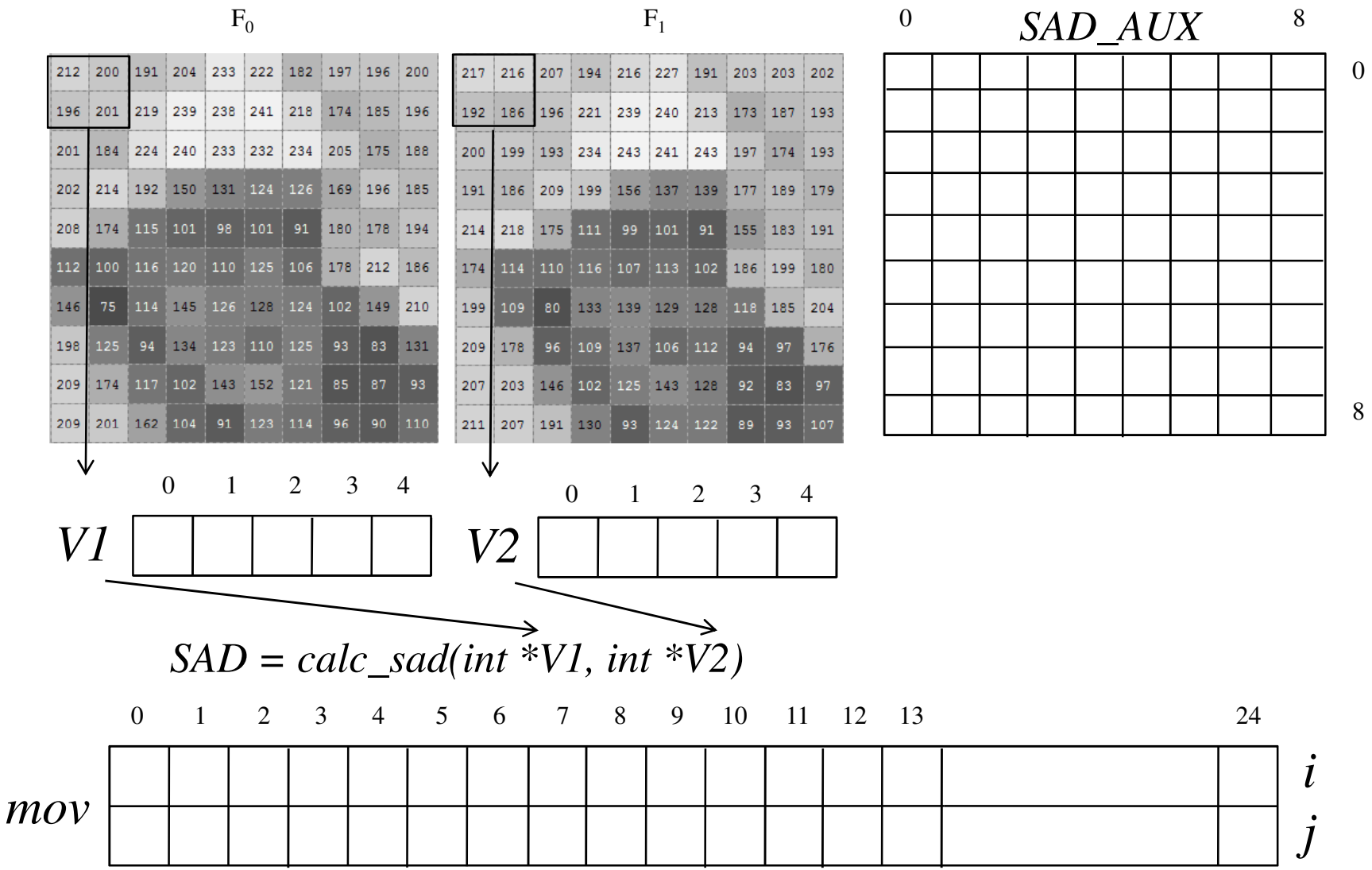
*SAD = calc_sad(int *V1, int *V2)*

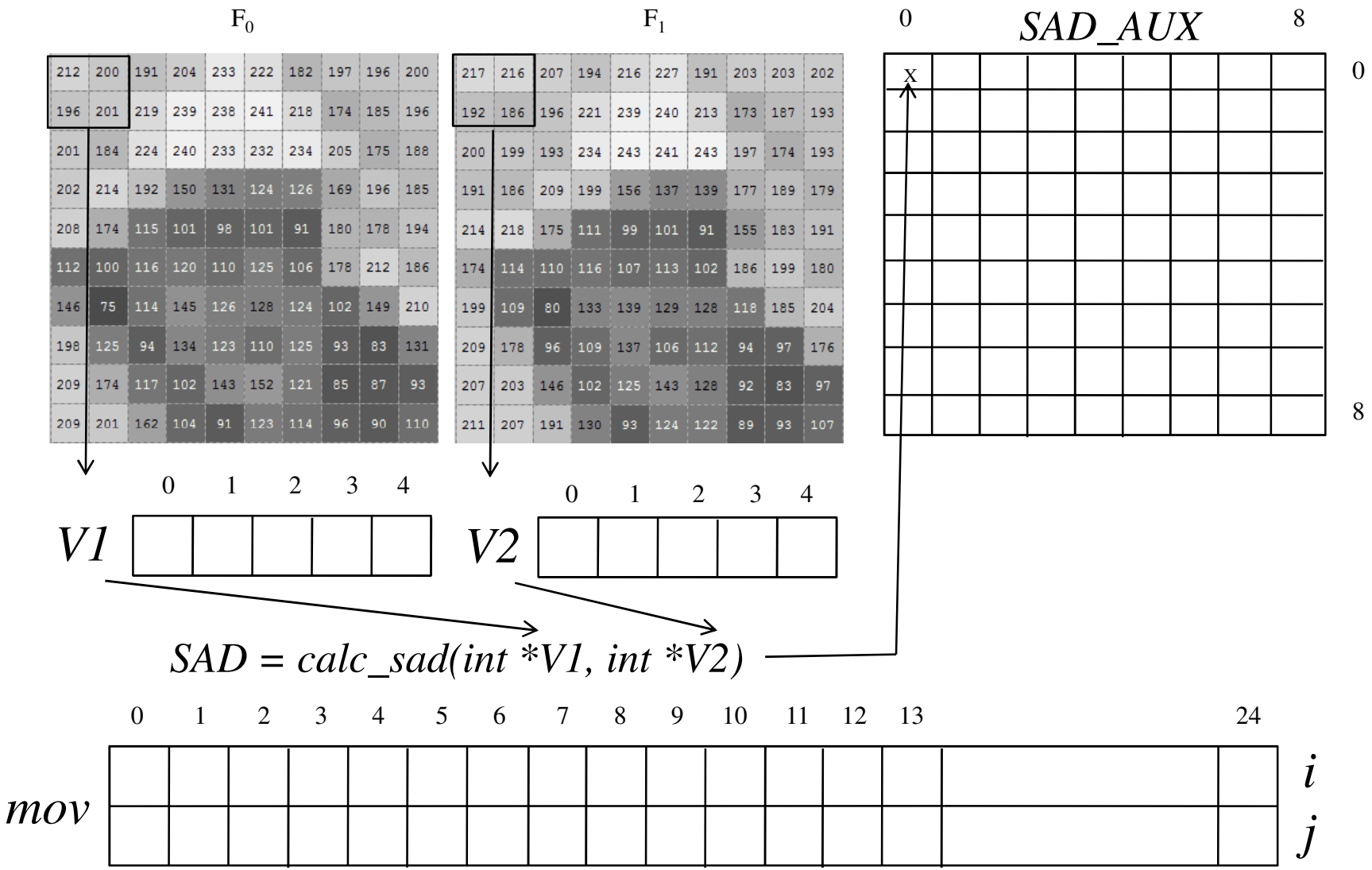


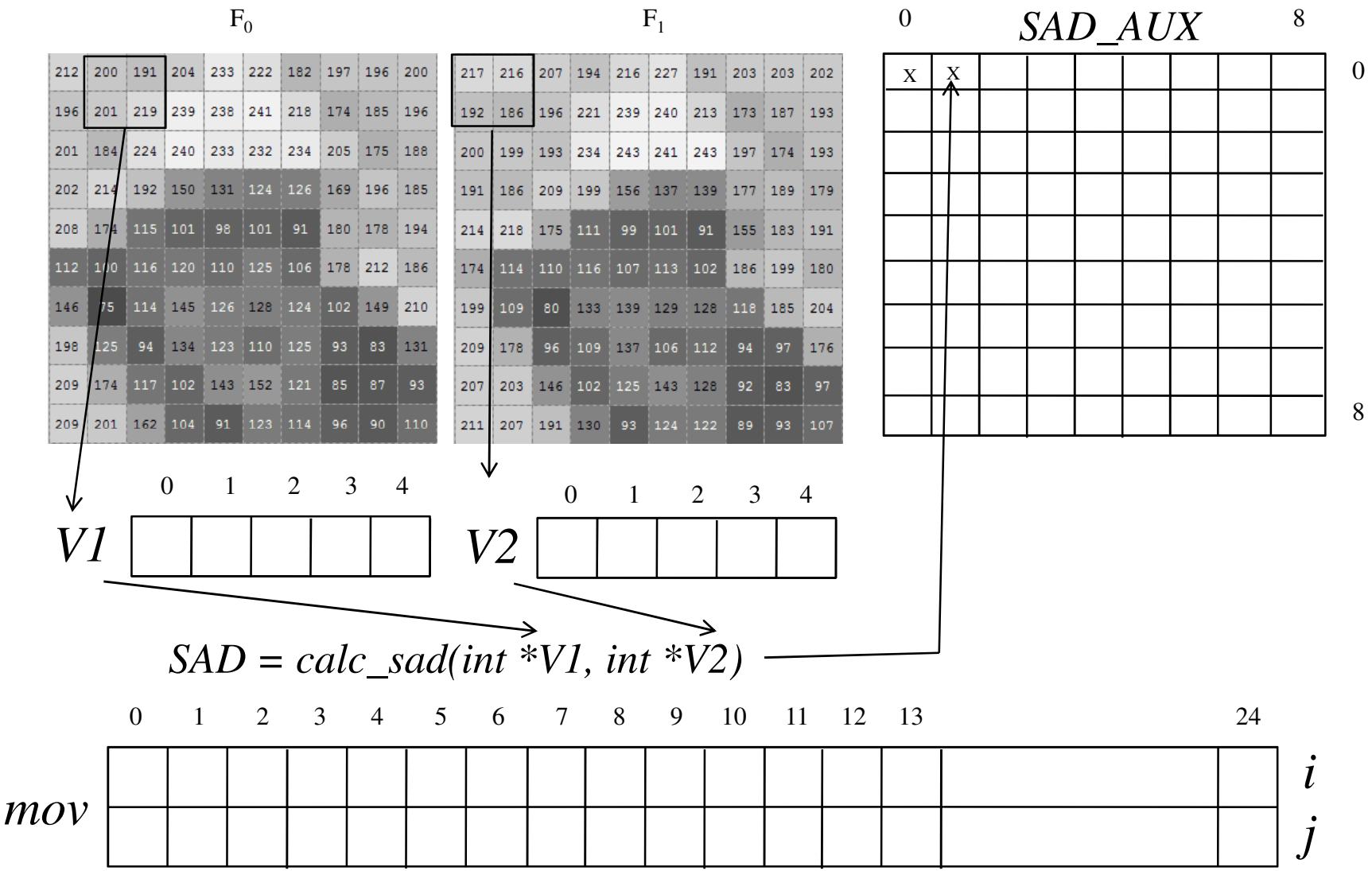


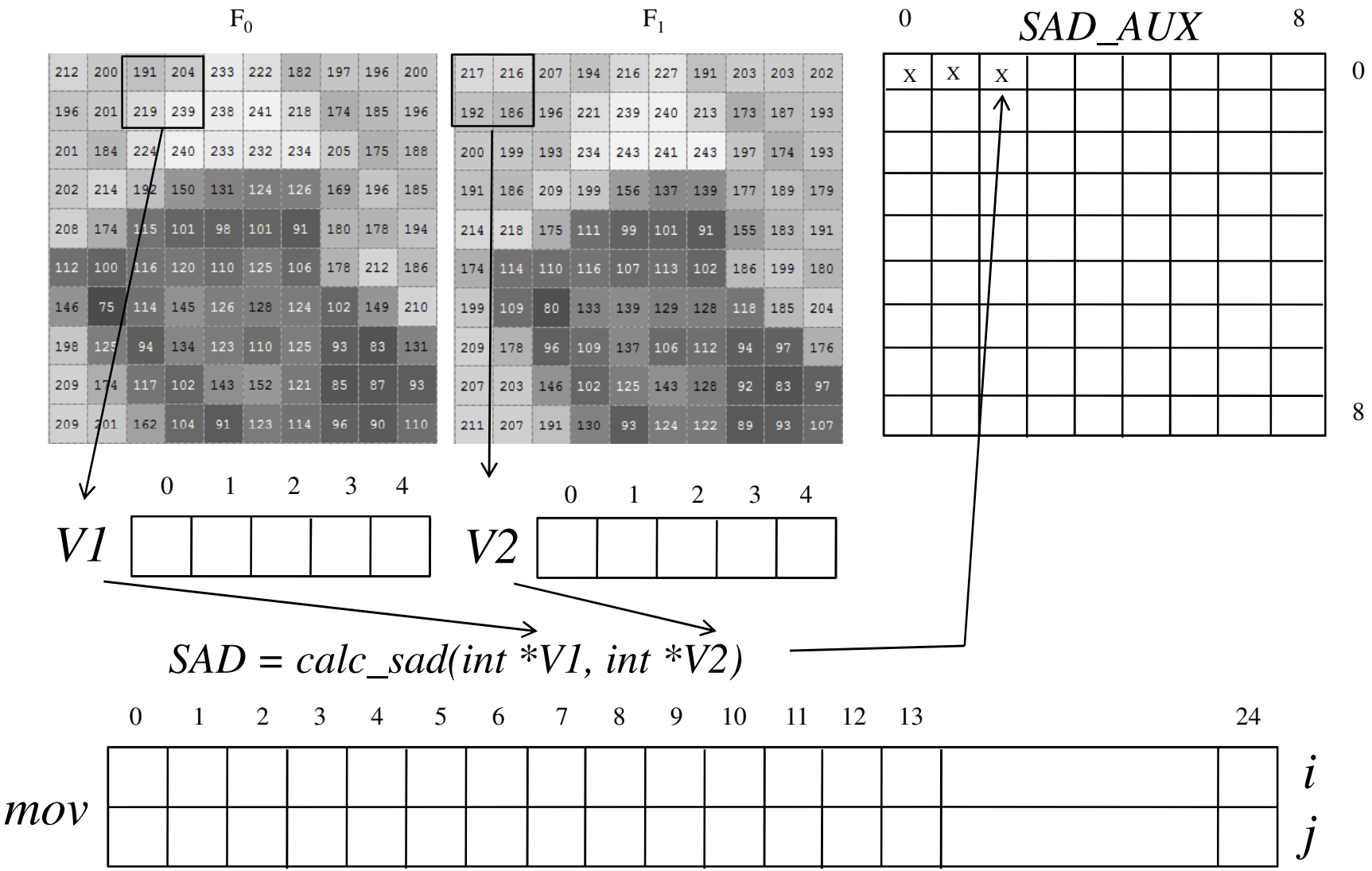
*SAD = calc_sad(int *V1, int *V2)*

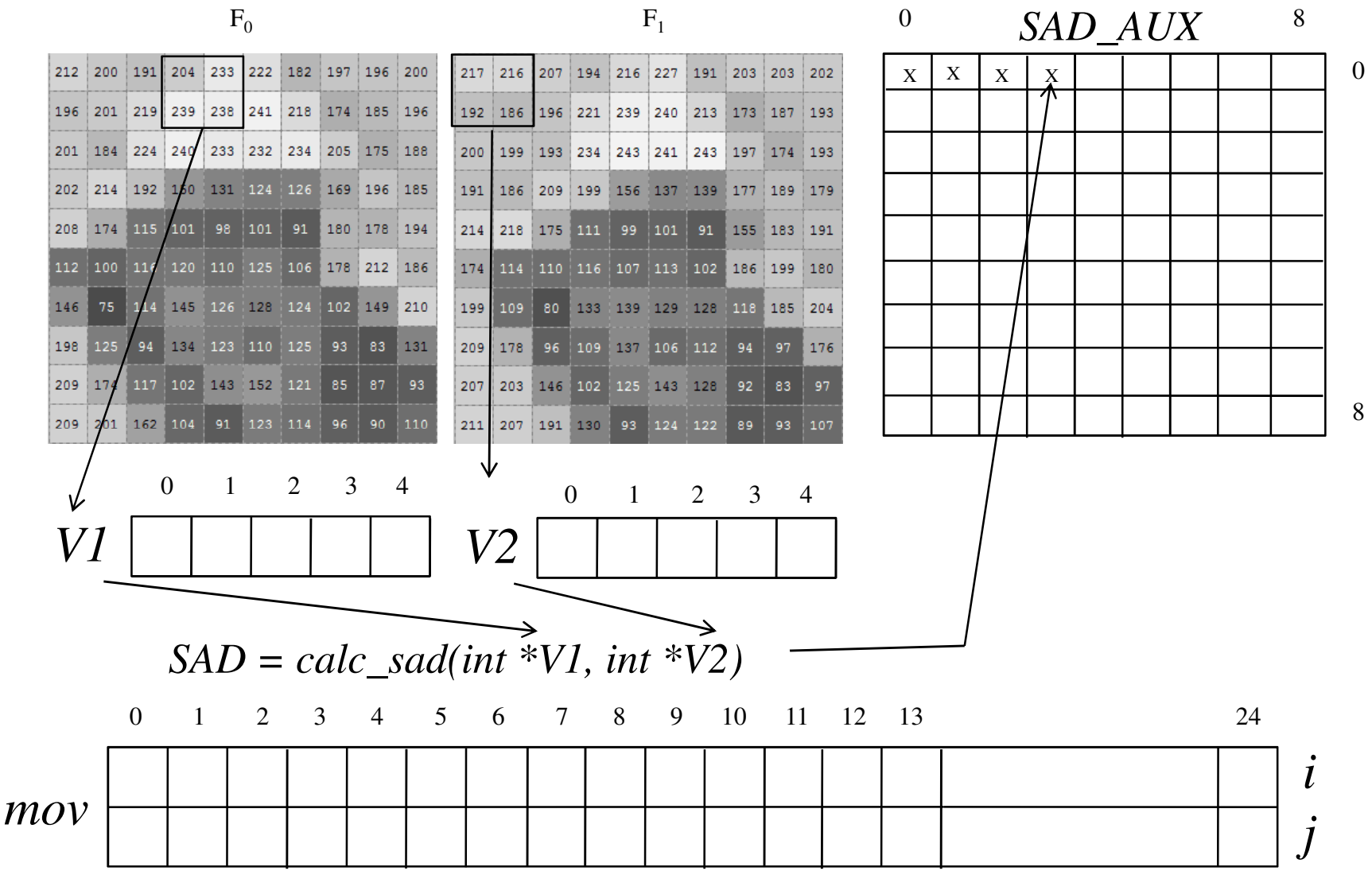


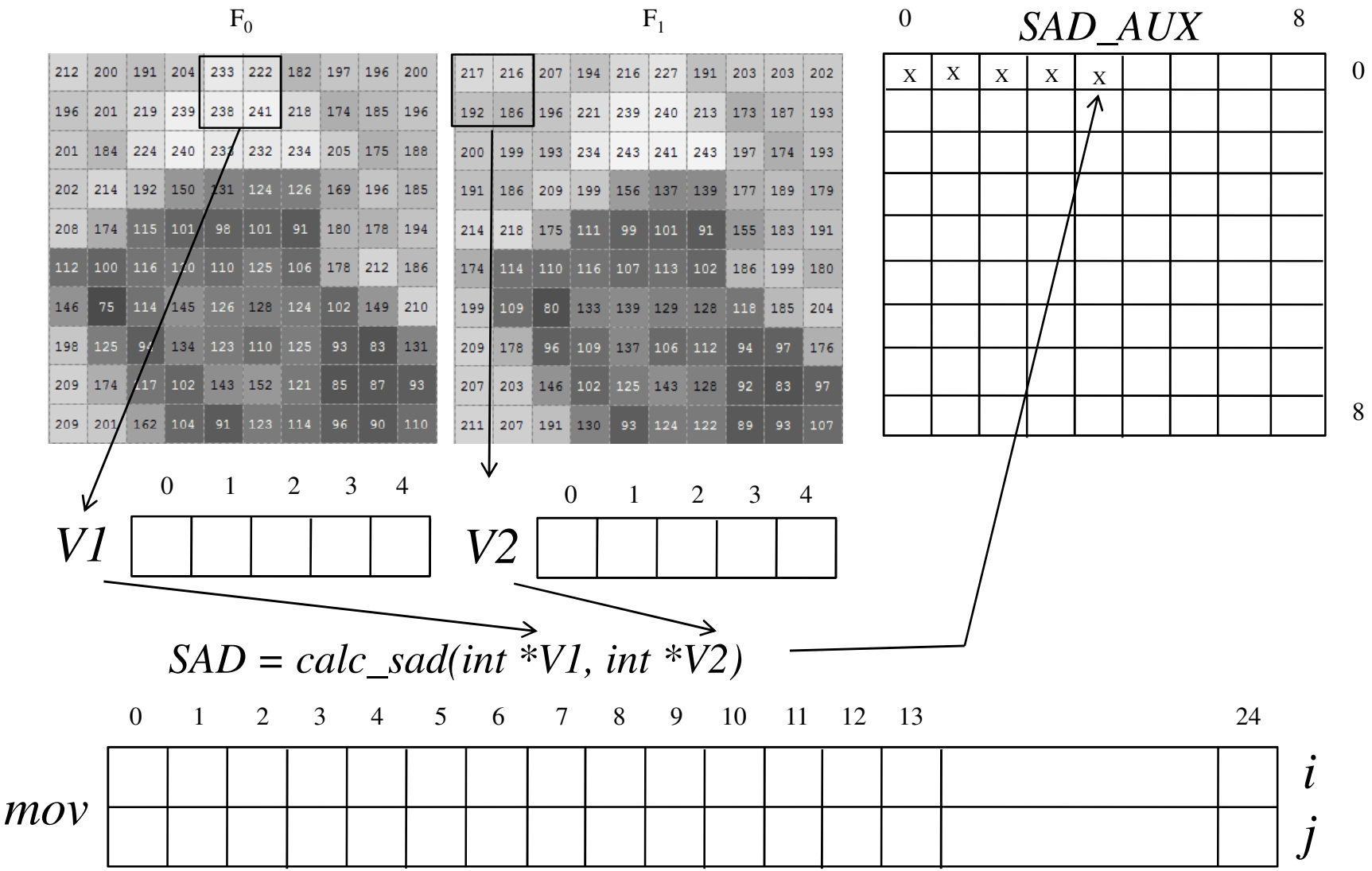

F0
F1
0
SAD_AUX
8
0
8
212 200 191 204 233 222 182 197 196 200
196 201 219 239 238 241 218 174 185 196
201 184 224 240 233 232 234 205 175 188
202 214 192 150 131 124 126 169 196 185
208 174 115 101 98 101 91 180 178 194
112 100 116 120 110 125 106 178 212 186
146 75 114 145 126 128 124 102 149 210
198 125 94 134 123 110 125 93 83 131
209 174 117 102 143 152 121 85 87 93
209 201 162 104 91 123 114 96 90 110
217 216 207 194 216 227 191 203 203 202
192 186 196 221 239 240 213 173 187 193
200 199 193 234 243 241 243 197 174 193
191 186 209 199 156 137 139 177 189 179
214 218 175 111 99 101 91 155 183 191
174 114 110 116 107 113 102 186 199 180
199 109 80 133 139 129 128 118 185 204
209 178 96 109 137 106 112 94 97 176
207 203 146 102 125 143 128 92 83 97
211 207 191 130 93 124 122 89 93 107
0 1 2 3 4
V1
0 1 2 3 4
V2
SAD = calc_sad(int *V1, int *V2)
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
mov
i
j

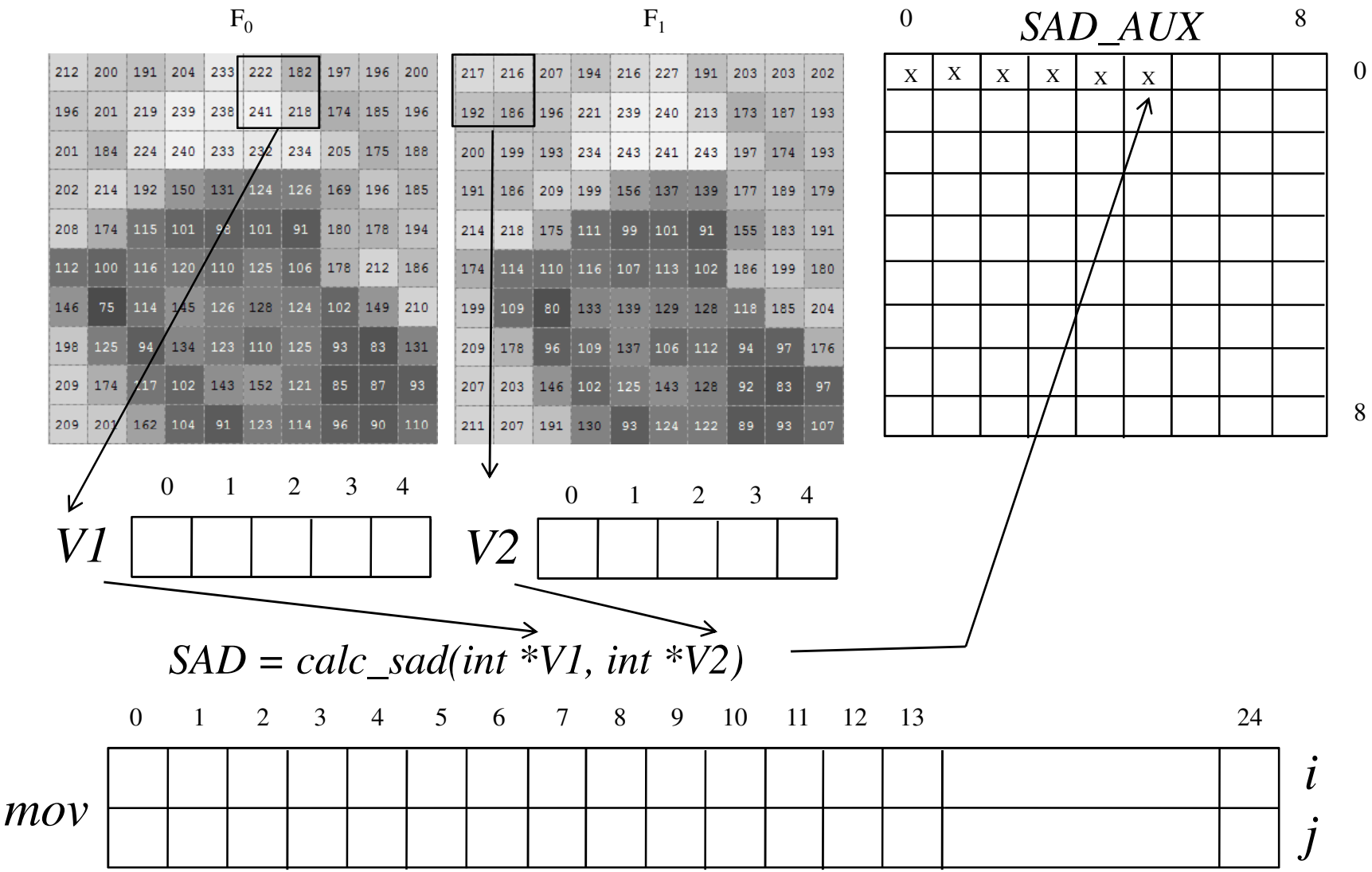

F0
F1
0
SAD_AUX
8
0
8
X
212 200 191 204 233 222 182 197 196 200
196 201 219 239 238 241 218 174 185 196
201 184 224 240 233 232 234 205 175 188
202 214 192 150 131 124 126 169 196 185
208 174 115 101 98 101 91 180 178 194
112 100 116 120 110 125 106 178 212 186
146 75 114 145 126 128 124 102 149 210
198 125 94 134 123 110 125 93 83 131
209 174 117 102 143 152 121 85 87 93
209 201 162 104 91 123 114 96 90 110
217 216 207 194 216 227 191 203 203 202
192 186 196 221 239 240 213 173 187 193
200 199 193 234 243 241 243 197 174 193
191 186 209 199 156 137 139 177 189 179
214 218 175 111 99 101 91 155 183 191
174 114 110 116 107 113 102 186 199 180
199 109 80 133 139 129 128 118 185 204
209 178 96 109 137 106 112 94 97 176
207 203 146 102 125 143 128 92 83 97
211 207 191 130 93 124 122 89 93 107
0 1 2 3 4
V1
0 1 2 3 4
V2
SAD = calc_sad(int *V1, int *V2)
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
mov
i
j


F0
F1
0
SAD_AUX
8
0
8
X
X
212 200 191 204 233 222 182 197 196 200
196 201 219 239 238 241 218 174 185 196
201 184 224 240 233 232 234 205 175 188
202 214 192 150 131 124 126 169 196 185
208 174 115 101 98 101 91 180 178 194
112 100 116 120 110 125 106 178 212 186
146 75 114 145 126 128 124 102 149 210
198 125 94 134 123 110 125 93 83 131
209 174 117 102 143 152 121 85 87 93
209 201 162 104 91 123 114 96 90 110
217 216 207 194 216 227 191 203 203 202
192 186 196 221 239 240 213 173 187 193
200 199 193 234 243 241 243 197 174 193
191 186 209 199 156 137 139 177 189 179
214 218 175 111 99 101 91 155 183 191
174 114 110 116 107 113 102 186 199 180
199 109 80 133 139 129 128 118 185 204
209 178 96 109 137 106 112 94 97 176
207 203 146 102 125 143 128 92 83 97
211 207 191 130 93 124 122 89 93 107
0 1 2 3 4
V1
0 1 2 3 4
V2
SAD = calc_sad(int *V1, int *V2)
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
mov
i
j

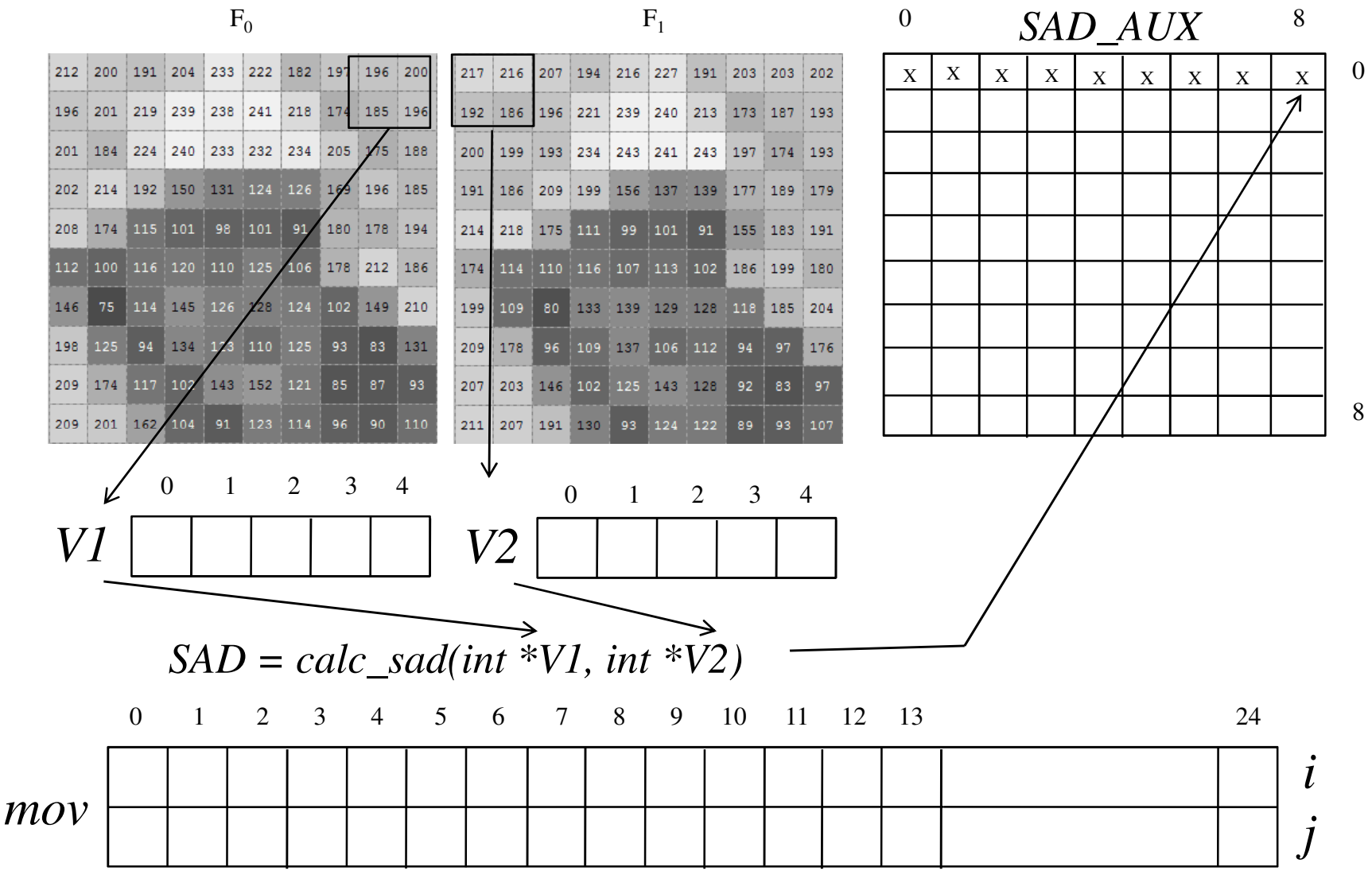

F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j

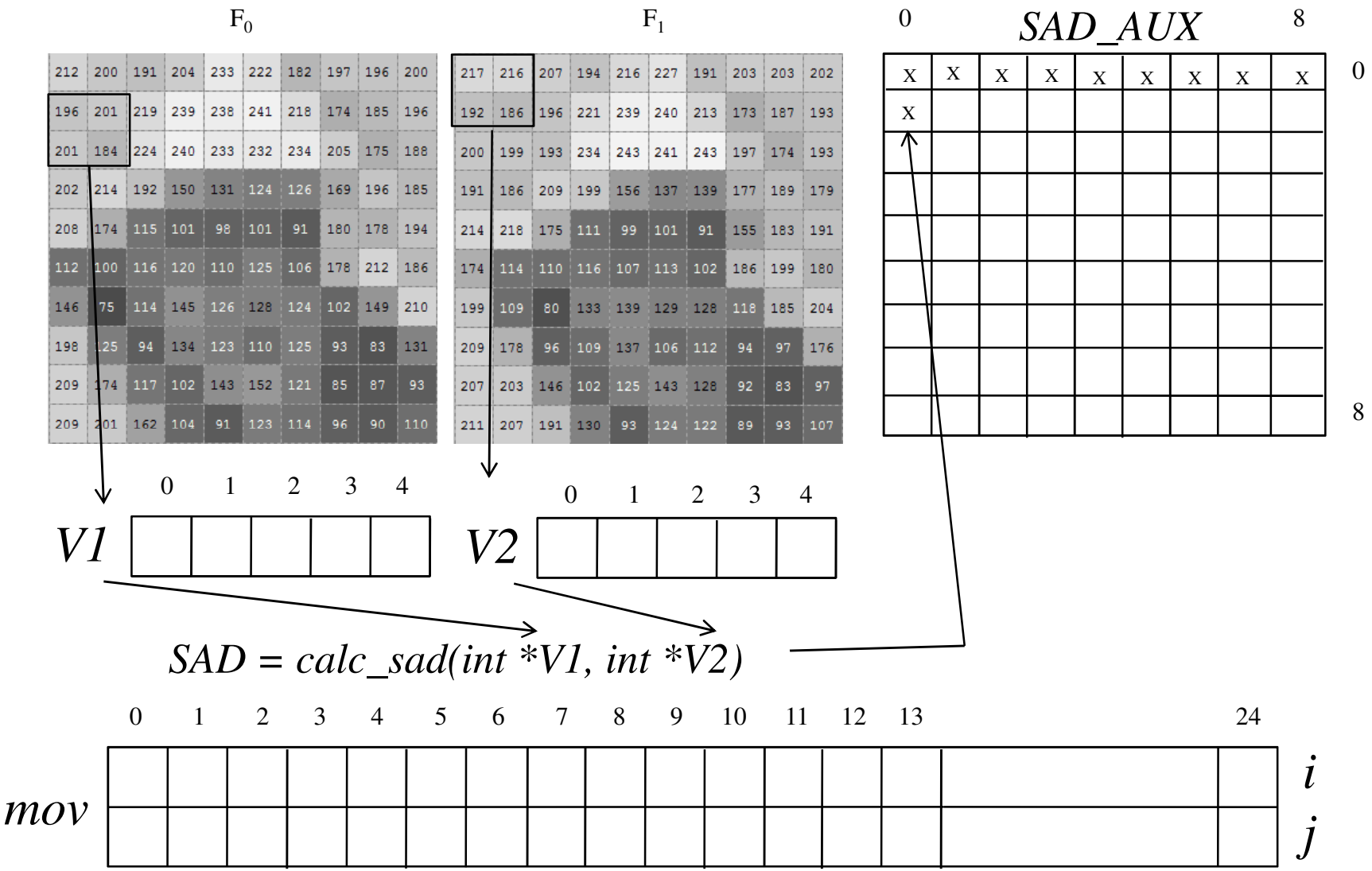

F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j

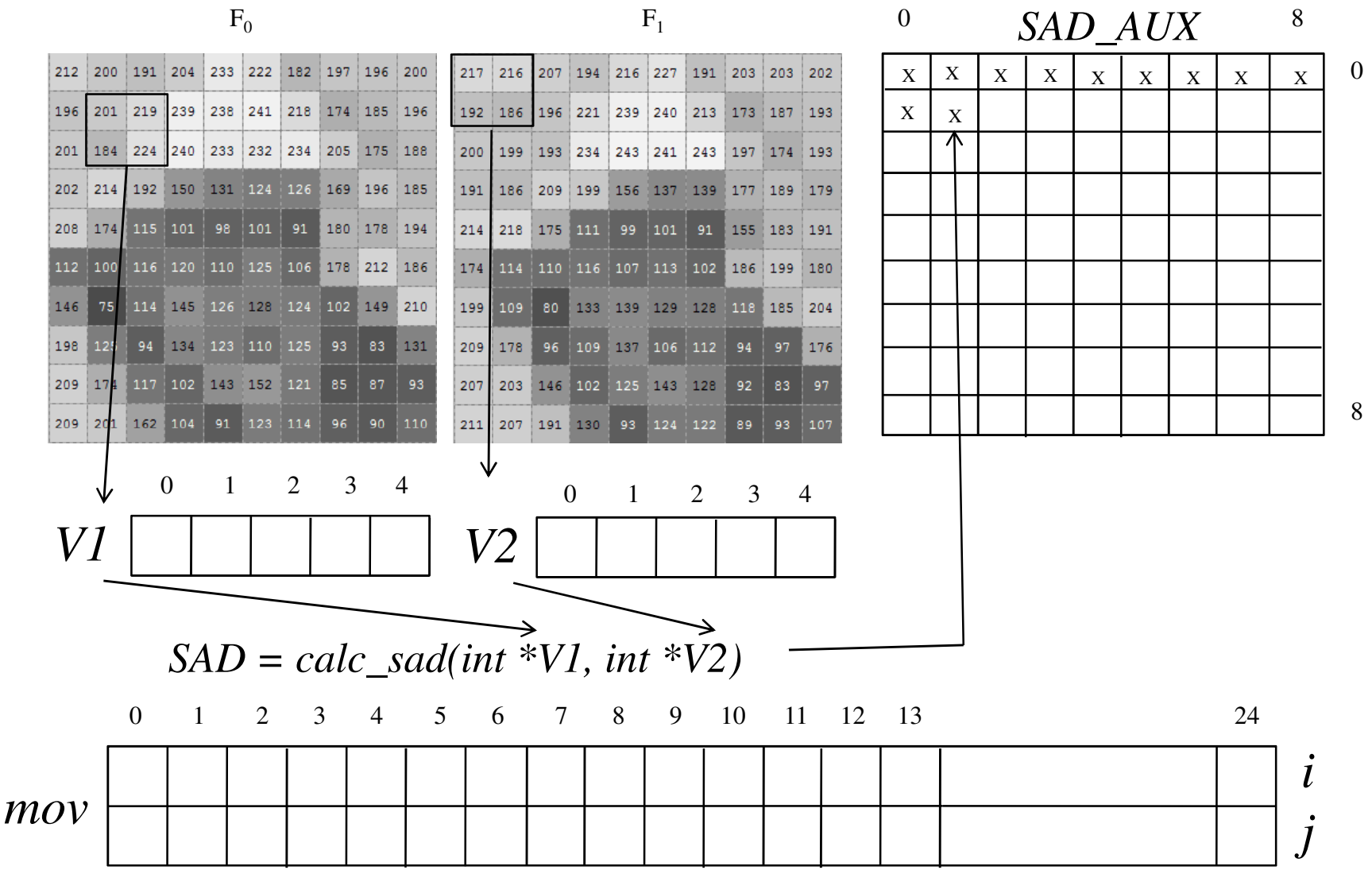

F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j

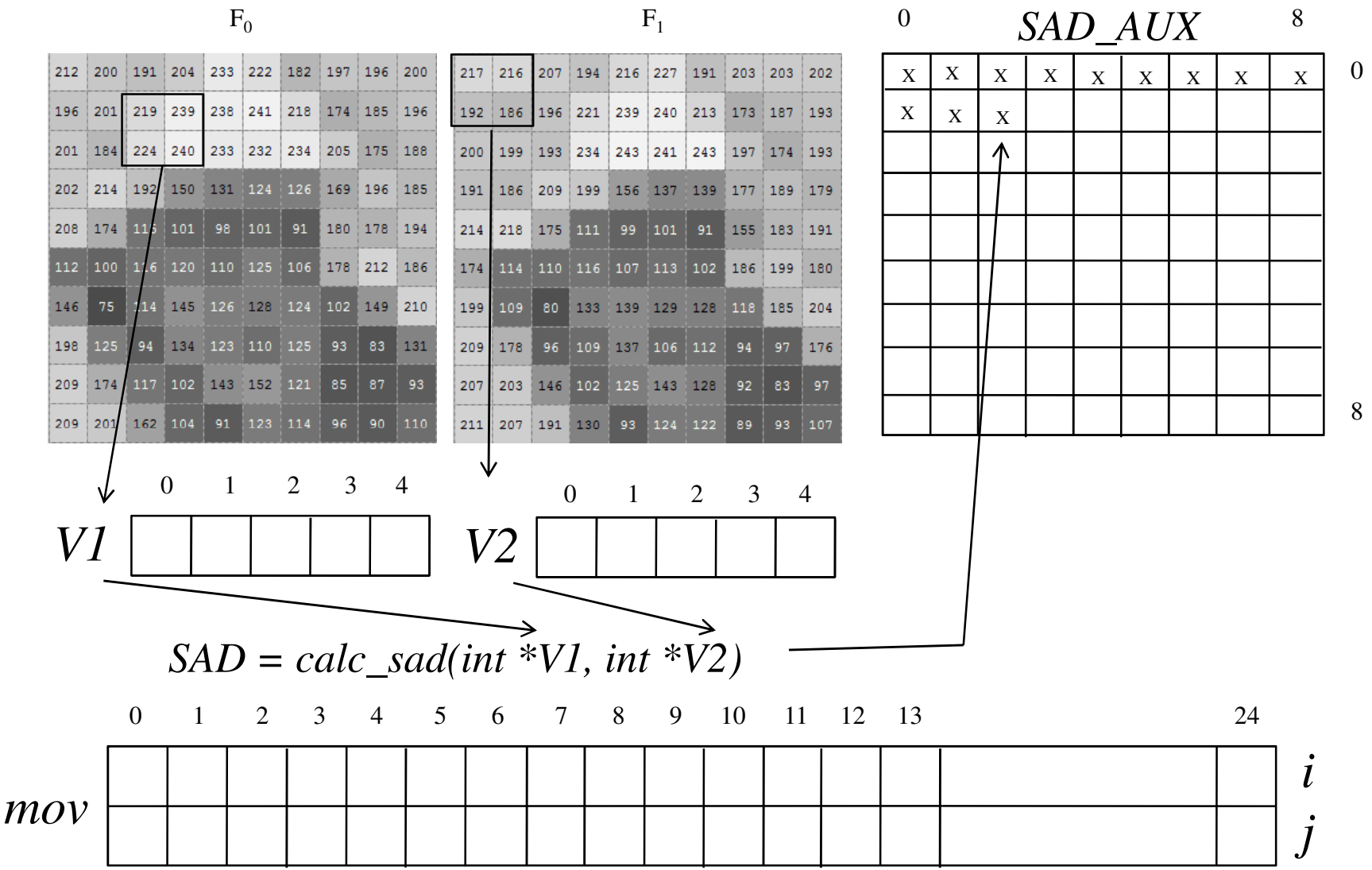

F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j

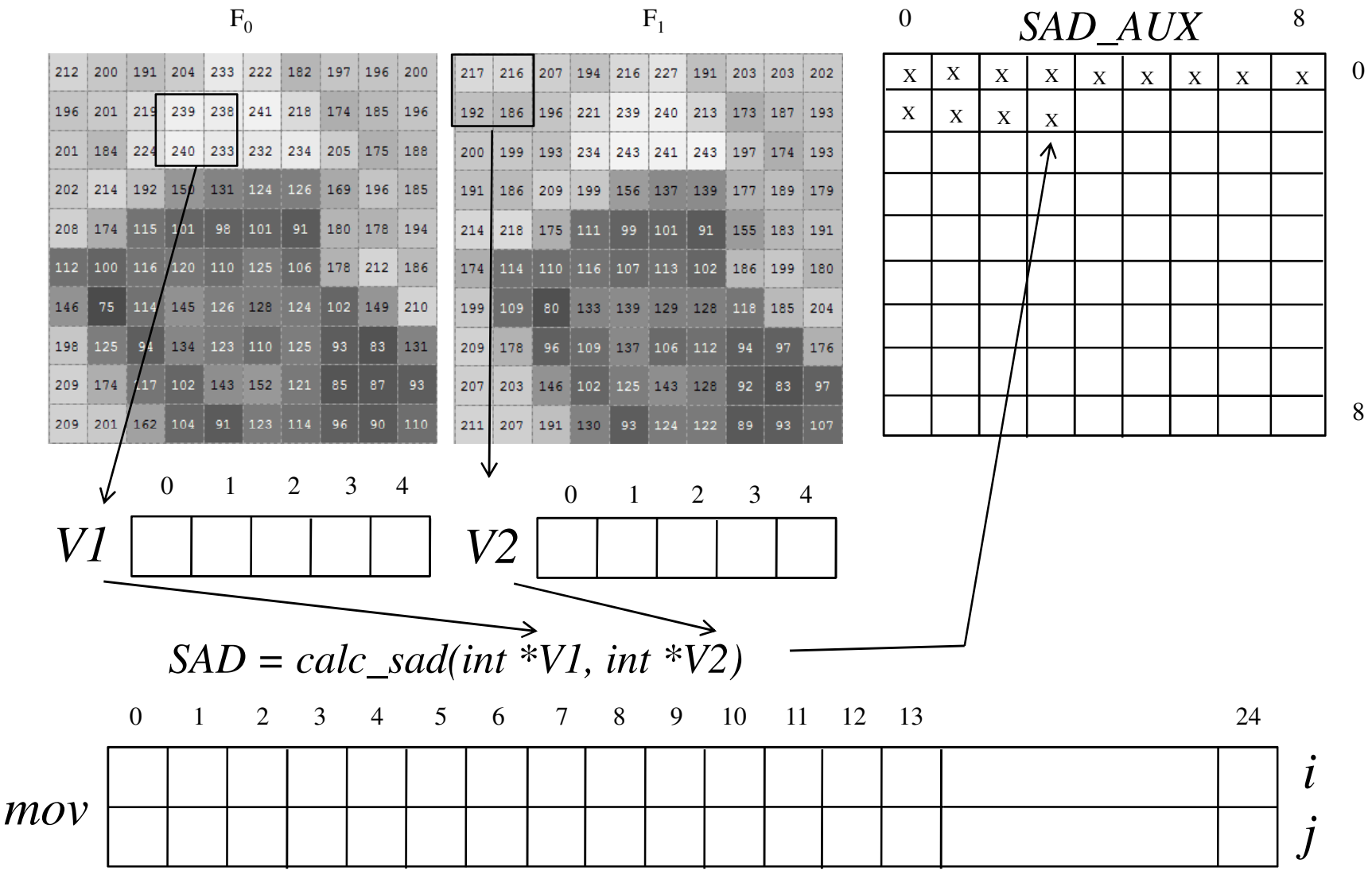
Depois de preencher a primeira linha de SAD_AUX...

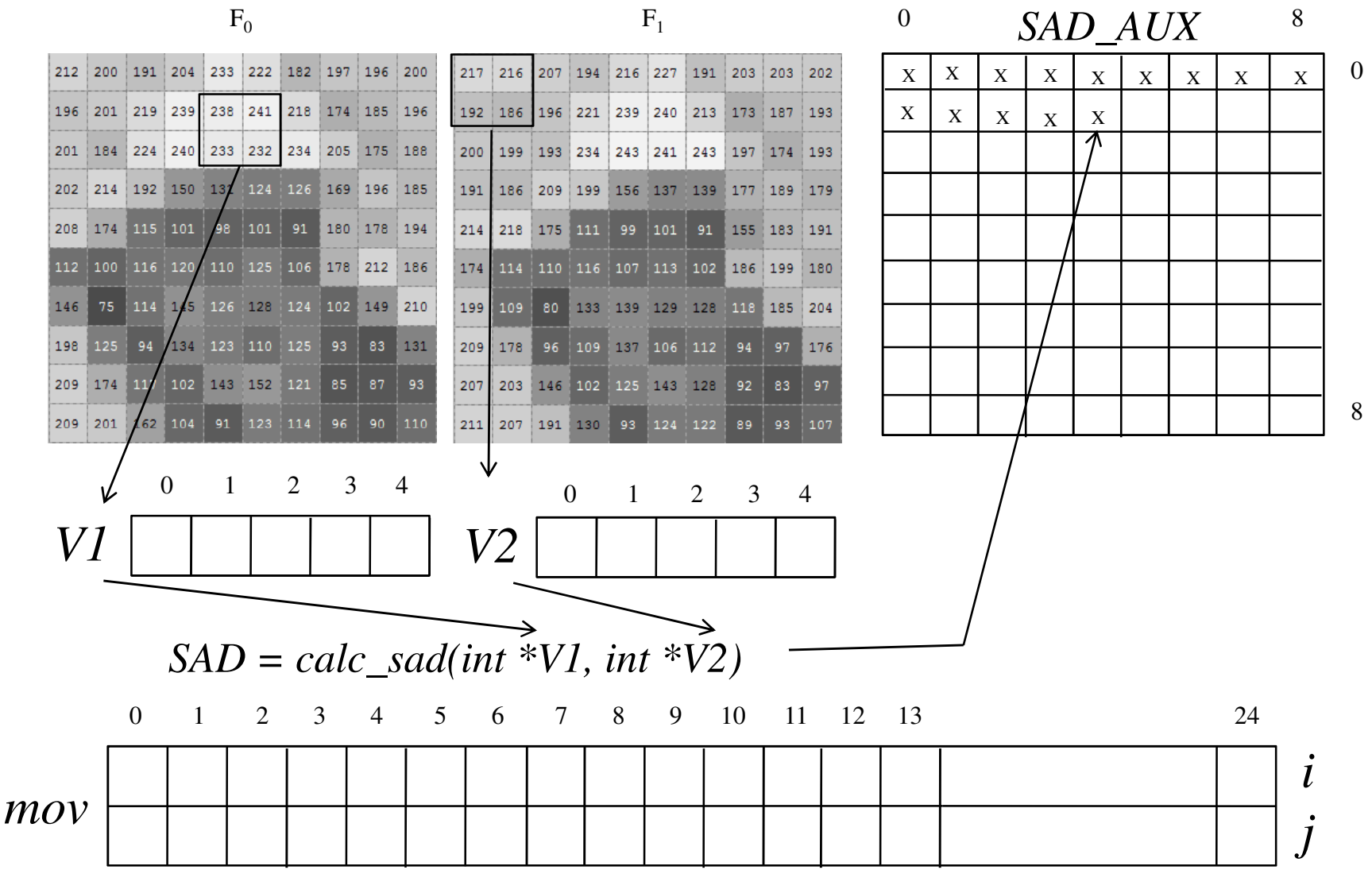

F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j


F0
F1
0
SAD_AUX
8
0
8
0 1 2 3 4
V1
0 1 2 3 4
V2
SAD = calc_sad(int *V1, int *V2)
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
mov
i
j

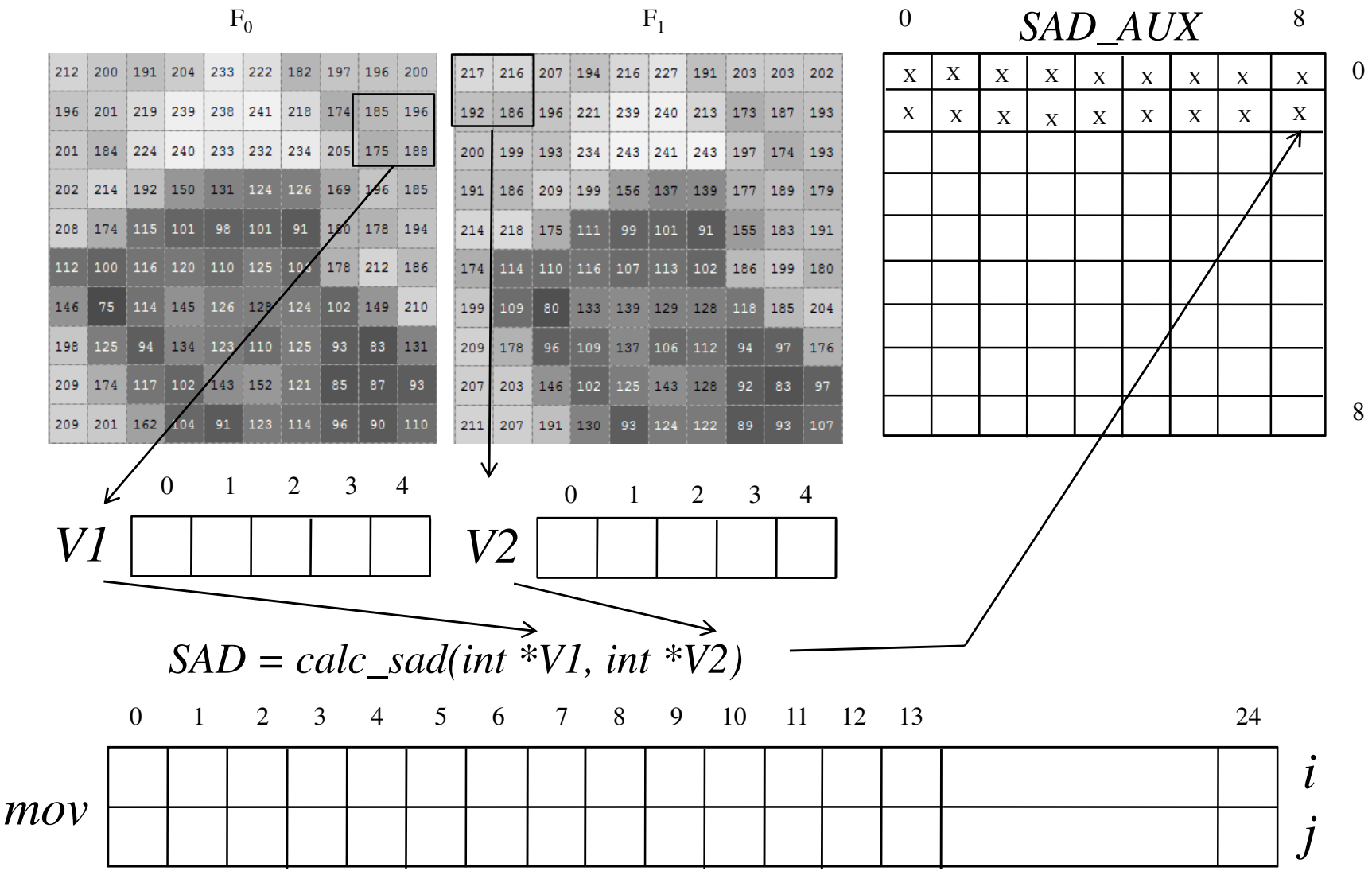

F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j


F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j

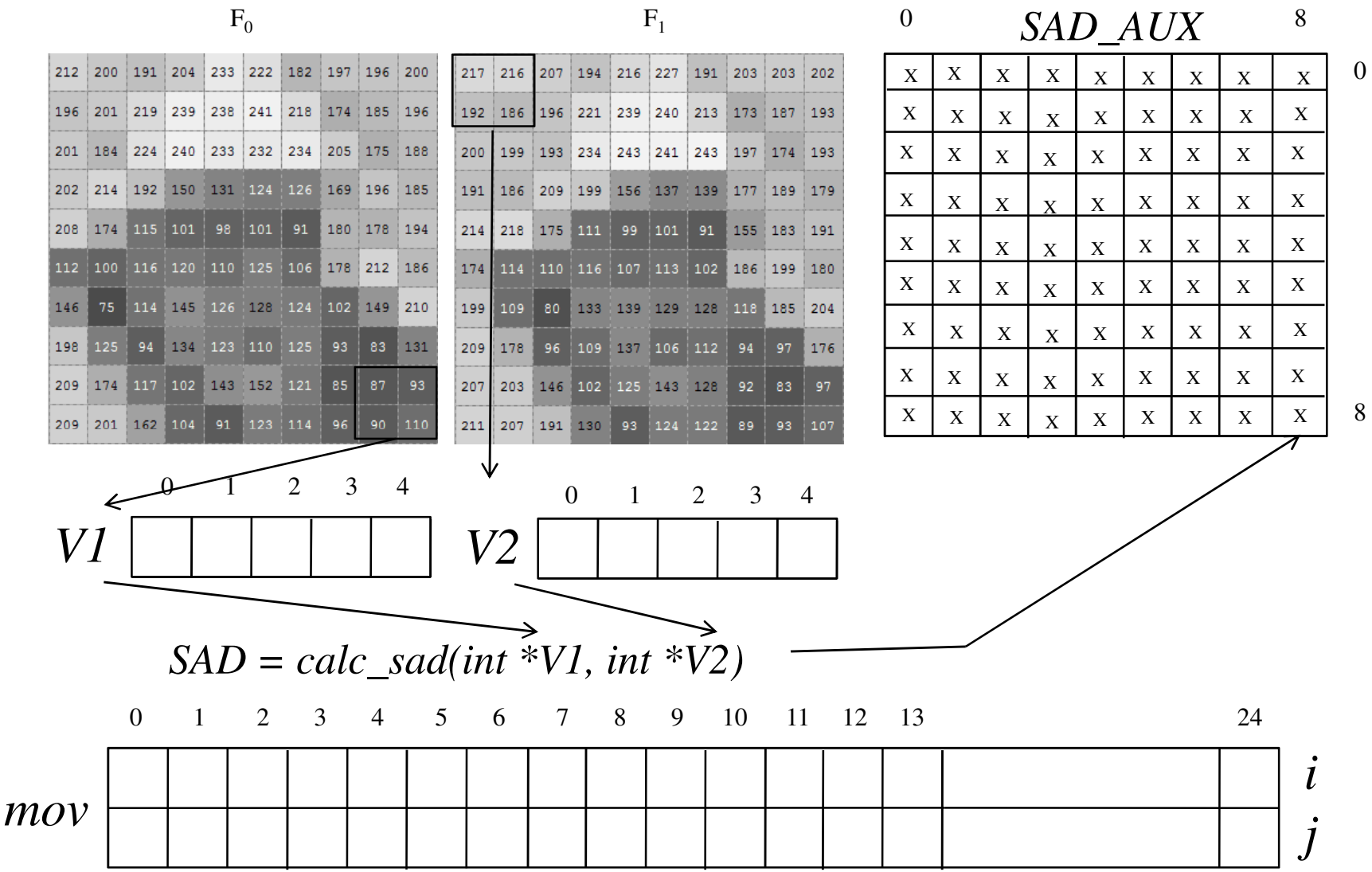

F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j


F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j

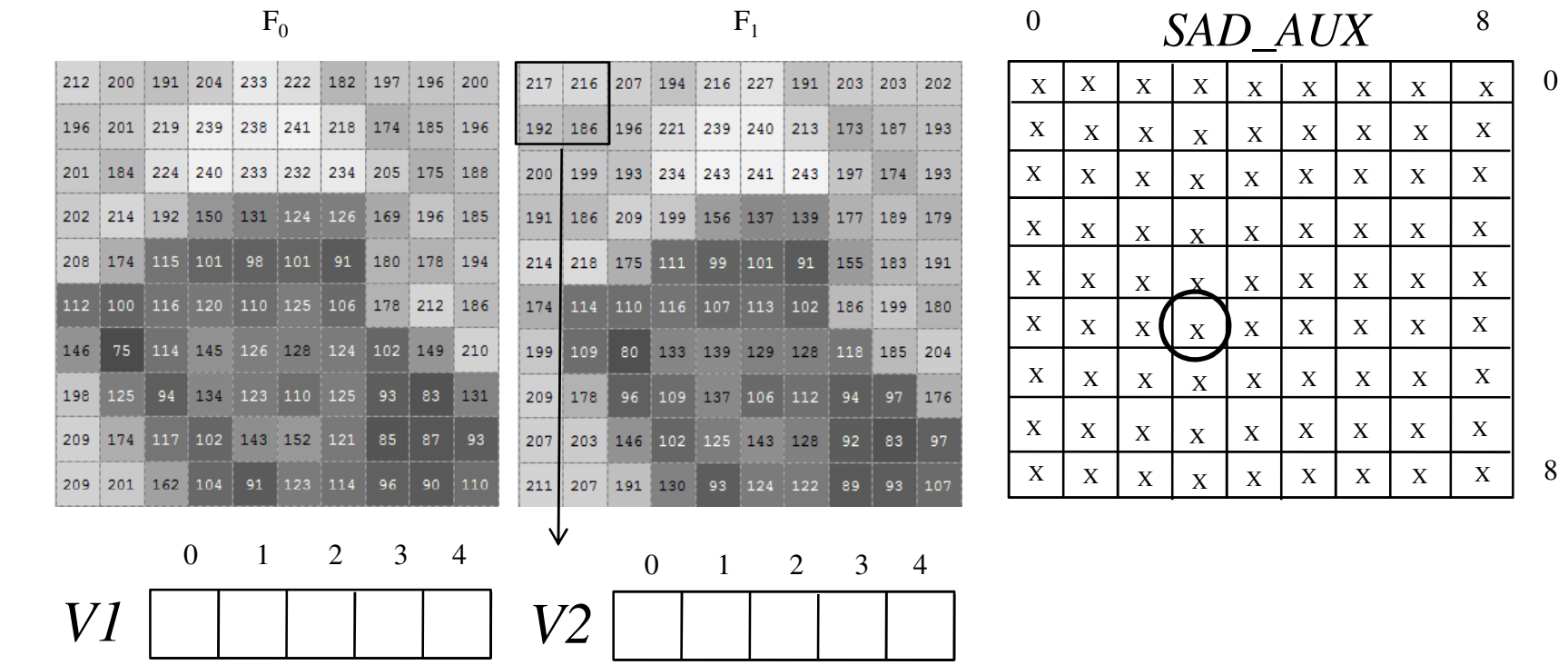
Depois de preencher a segunda linha de SAD_AUX...


F0
F1
0
SAD_AUX
8
0
8
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
i
j

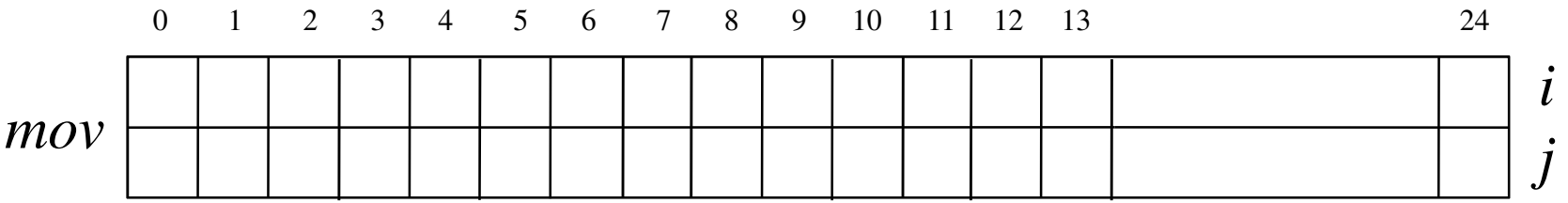
Deve-se preencher SAD_AUX até o final...

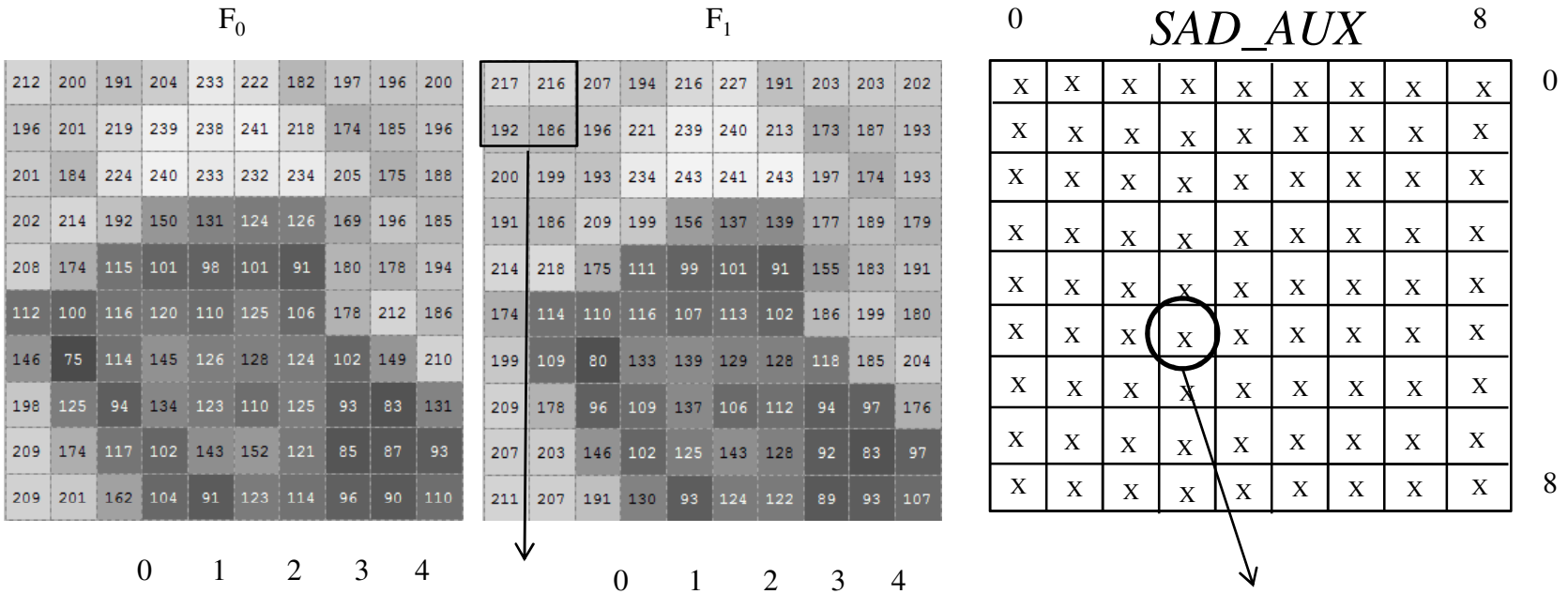

F0
F1
0
SAD_AUX
8
0
8
0 1 2 3 4
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
mov
i
j

Deve-se procurar o menor valor armazenado em SAD_AUX ...

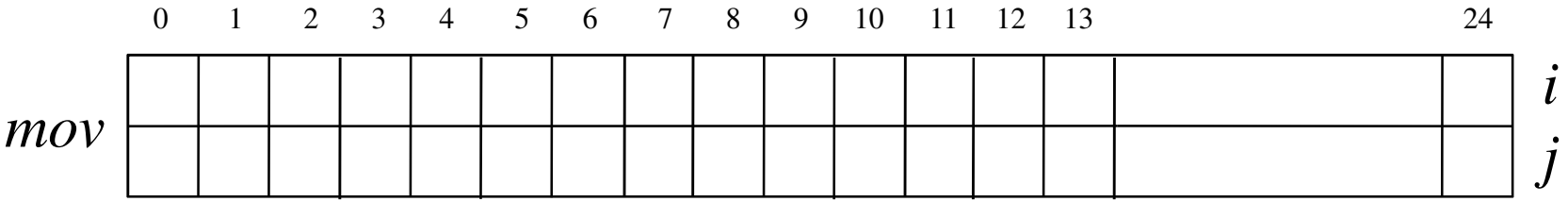


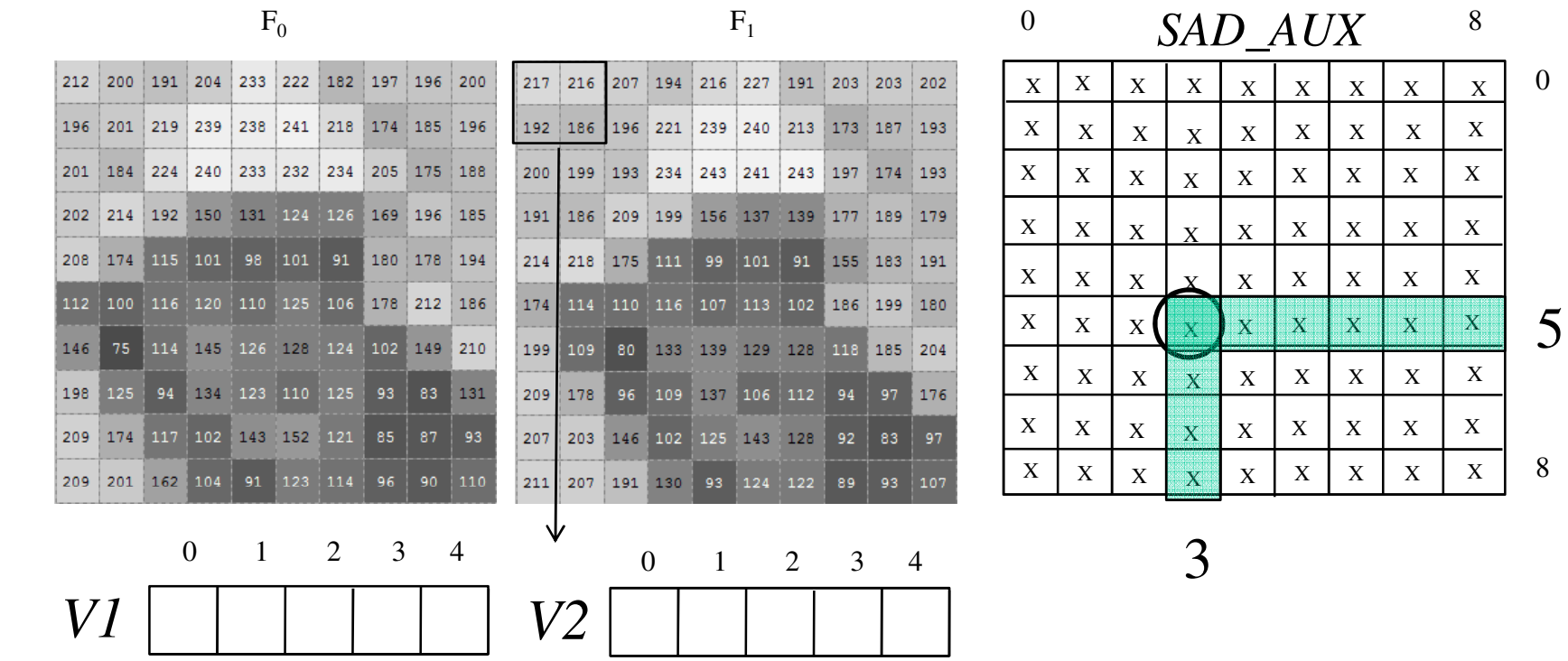
*SAD = calc_sad(int *V1, int *V2)*



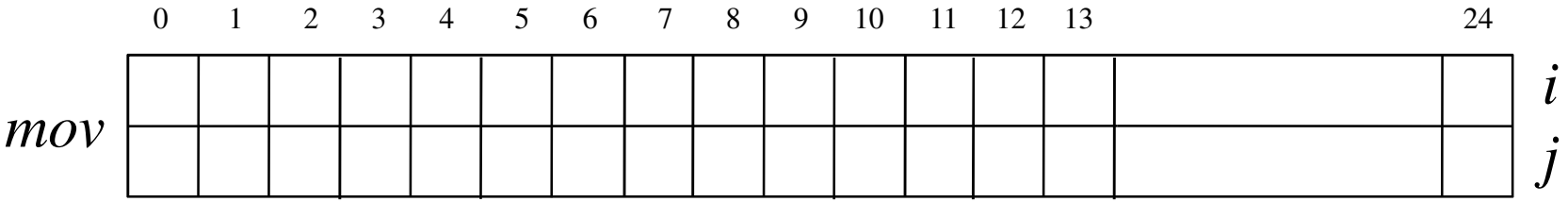


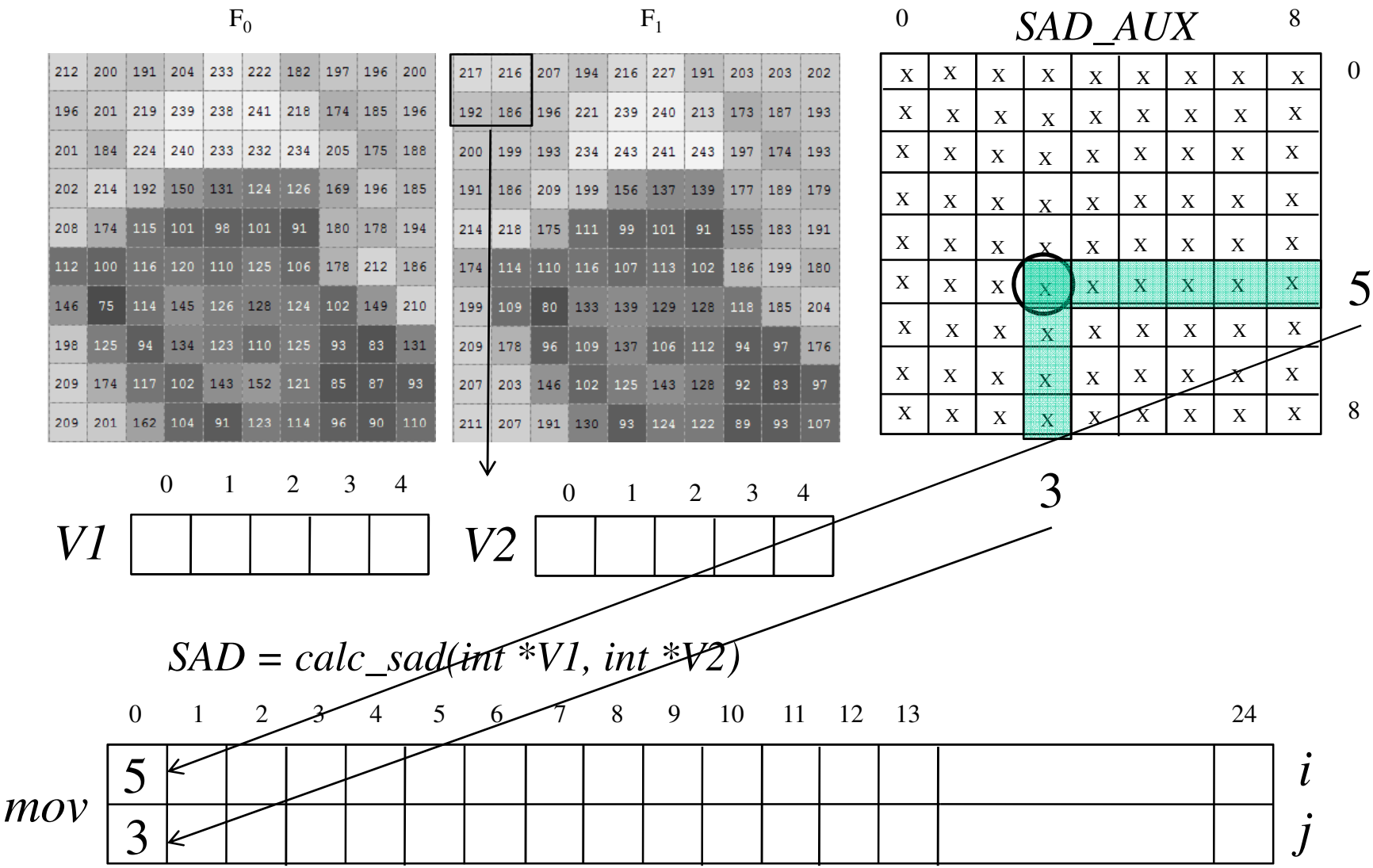
*SAD = calc_sad(int *V1, int *V2)*



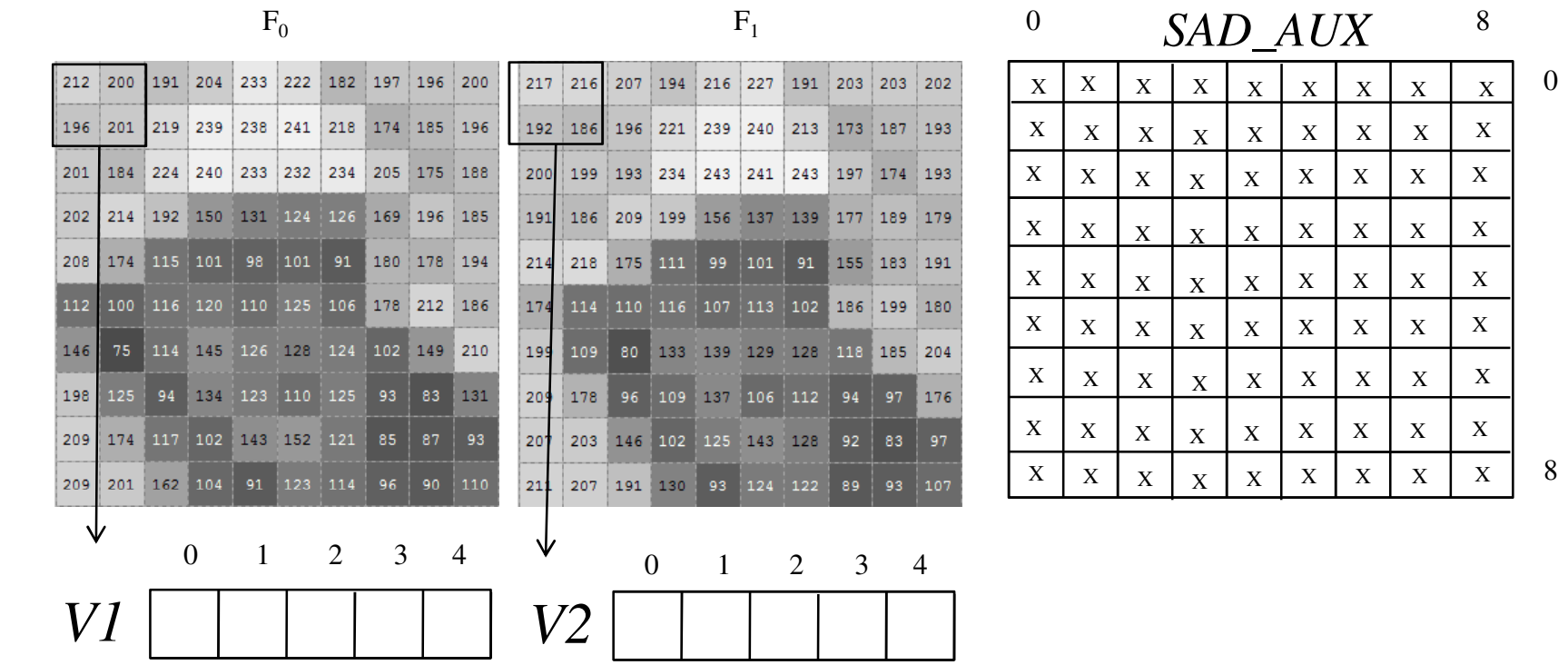


*SAD = calc_sad(int *V1, int *V2)*

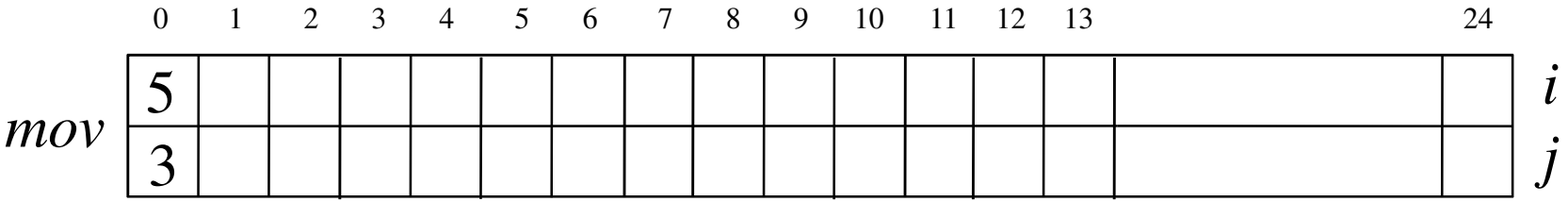


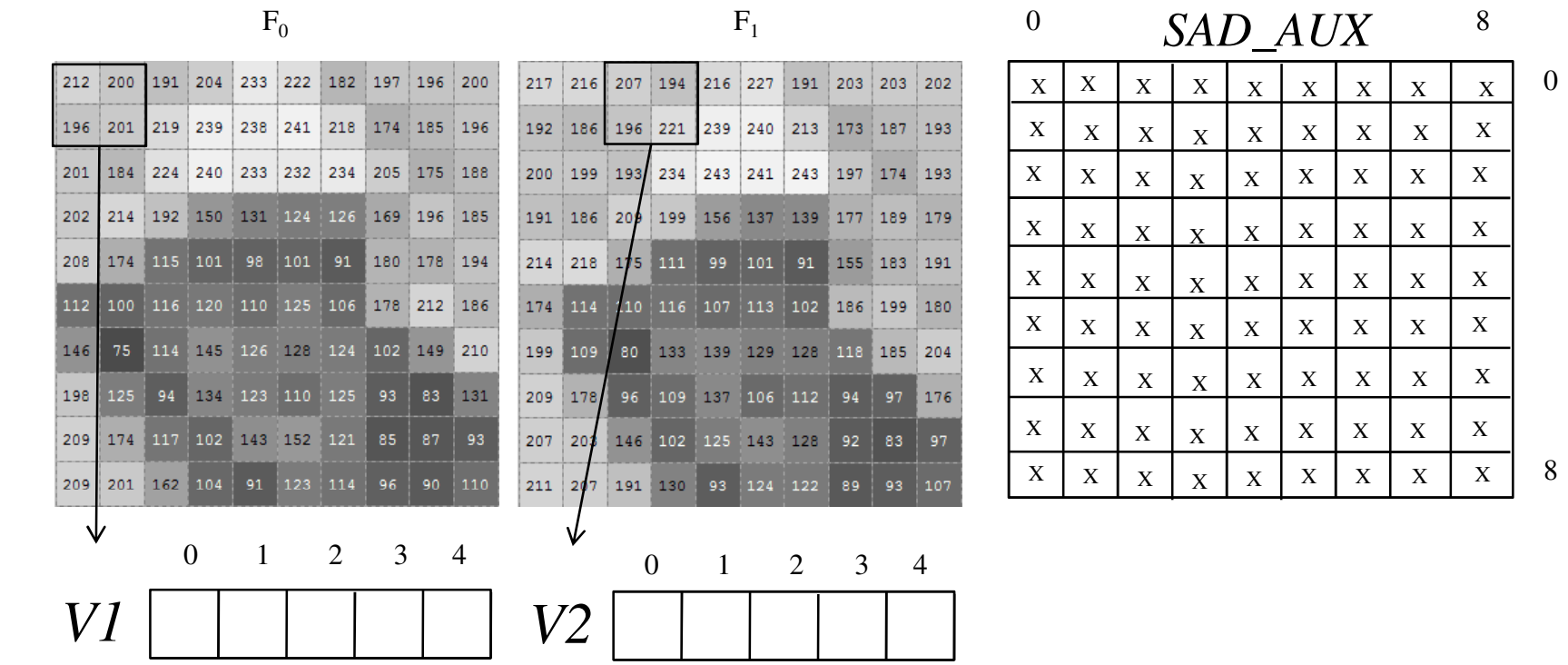

F0
F1
SAD_AUX
0
8
0
5
8
3
V1
V2
0 1 2 3 4
SAD = calc_sad(int *V1, int *V2)
mov
0 1 2 3 4 5 6 7 8 9 10 11 12 13 24
5
3
i
j

O processo anteriormente descrito
é repetido para o próximo bloco de F_1 *...*

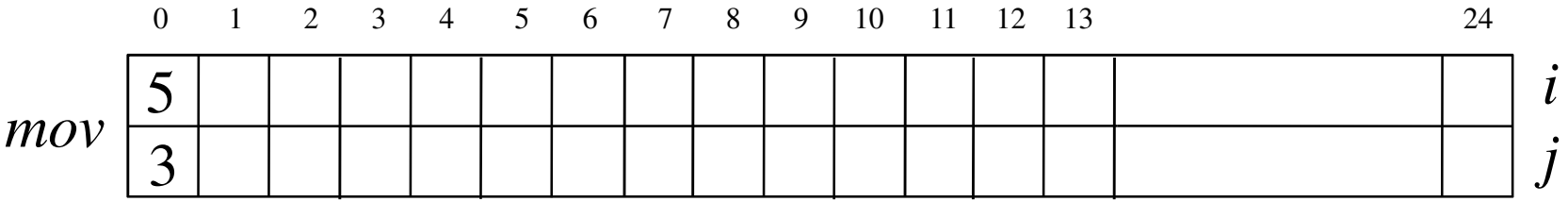


*SAD = calc_sad(int *V1, int *V2)*





*SAD = calc_sad(int *V1, int *V2)*



O processo anteriormente descrito
é repetido para todos os 25 blocos de F_1 *...*