**KHUẾCH TÁN LỖI MỘT CHIỀU**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 13 | 156 | 22 | 45 |
| 133 | 13 | 12 | 12 | 232 |
| 12 | 222 | 127 | 32 | 21 |

+) U[1][1] = I[1][1] = 1 < 127 🡪B[1][1] = 0; e[1][1] = B[1][1] – U[1][1] = 0 – 1 = -1

+) U[1][2] = I[1][2] - e[1][1] = 13 – (-1) = 14 < 127 🡪B[1][2] = 0;

e[1][2] = B[1][2] – U[1][2] = 0 – 14 = -14

+) U[1][3] = I[1][3] - e[1][2] = 156 – (-14) =170 > 127 🡪B[1][3] = 255;

e[1][3] = B[1][3] – U[1][3] = 255 – 170 = 85

+) U[1][4] = I[1][4] - e[1][3] = 22 – 85 = -63 <127 🡪B[1][4] = 0;

e[1][4] = B[1][4] – U[1][4] = 0 – (- 63) = 63

+) U[1][5] = I[1][5] - e[1][4] = 45 – 63 = -18 <127 🡪B[1][5] = 0;

+) U[2][1] = I[2][1] = 133 >127 🡪B[2][1] = 255; e[2][1] = B[2][1] – U[2][1] = 255 – 133 = 122

+) U[2][2] = I[2][2] - e[2][1] = 13 – 122 = -109 <127 🡪B[2][2] = 0;

e[2][2] = B[2][2] – U[2][2] = 0 – (- 109) = 109

+) U[2][3] = I[2][3] - e[2][2] = 12 – 109 = -97 <127 🡪B[2][3] = 0;

e[2][3] = B[2][3] – U[2][3] = 0 – (- 97) = 97

+) U[2][4] = I[2][4] - e[2][3] = 12 – 97 = -85 <127 🡪B[2][4] = 0;

e[2][4] = B[2][4] – U[2][4] = 0 – (- 85) = 85

+) U[2][5] = I[2][5] - e[2][4] = 232 – 85 = 147 > 127 🡪B[2][5] = 255;

+) U[3][1] = I[3][1] = 12 < 127 🡪B[3][1] = 0; e[3][1] = B[3][1] – U[3][1] = 0 – 12 = -12

+) U[3][2] = I[3][2] - e[3][1] = 222 – (-12) = 234 > 127 🡪B[3][2] = 255;

e[3][2] = B[3][2] – U[3][2] = 255 – 234 = 21

+) U[3][3] = I[3][3] - e[3][2] = 127 – 21 = 106 <127 🡪B[3][3] = 0;

e[3][3] = B[3][3] – U[3][3] = 0 – 106 = -106

+) U[3][4] = I[3][4] - e[3][3] = 32 – (-106) = 138 > 127 🡪B[2][4] = 255;

e[3][4] = B[3][4] – U[3][4] = 255 – 138 = 17

+) U[3][5] = I[3][5] - e[3][4] = 21 - 17 = 4 < 127 🡪B[3][5] = 0;

0 0 255 0 0

255 0 0 0 255

0 255 0 255 0