Компјутерска графика

Домашна број 6.

**Име и презиме: Андреј Бардакоски Индекс: 201149**

R1 = ((1,1) (1,3) (2,3) (2,1)); z = x+y боја црвена

R2 = ((1,3) (1,4) (3,4) (3,3)); z = x + 2y + 1 боја зелена

R3 = ((2,2) (2,4) (4,4) (4,3)); z = 2x+у+2 боја сина

Иницијална матрица

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 8 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 6 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 5 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 4 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 3 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 2 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 1 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |

Чекор: 1  
(1,1) z= 1+1=2; (1,2) z= 1+2=3; (1,3) z= 1+3=4;

(2,1) z= 2+1=3; (2,2) z= 2+2=4; (2,3) z= 2+3=5;

Матрица по чекор 1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 8 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 6 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 5 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 4 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 3 | 4 | 5 | 64 | 64 | 64 | 64 | 64 | 64 |
| 2 | 3 | 4 | 64 | 64 | 64 | 64 | 64 | 64 |
| 1 | 2 | 3 | 64 | 64 | 64 | 64 | 64 | 64 |

Чекор: 2

R2 = ((1,3) (1,4) (3,4) (3,3)); z = x + 2y + 1 боја зелена

(1,3) z= 1+6+1=8; (1,4) z= 1+8+1=10;

(2,3) z= 2+6+1=9; (2,4) z= 2+8+1=11;

(3,3) z= 3+6+1=10; (3,4) z= 3+8+1=12;

Матрица по чекор 2

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 8 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 6 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 5 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 4 | 10 | 11 | 12 | 64 | 64 | 64 | 64 | 64 |
| 3 | 4 | 5 | 10 | 64 | 64 | 64 | 64 | 64 |
| 2 | 3 | 4 | 64 | 64 | 64 | 64 | 64 | 64 |
| 1 | 2 | 3 | 64 | 64 | 64 | 64 | 64 | 64 |

Чекор: 3

R3 = ((2,2) (2,4) (4,4) (4,3)); z = 2x+у+2 боја сина

(2,2) z= 4+2+2=8; (2,3) z= 4+3+2=9; (2,4) z= 4+4+2=10;

(3,2) z= 6+2+2=10; (3,3) z= 6+3+2=11; (3,4) z= 6+4+2=12;

(4,3) z= 8+3+2=13; (4,4) z= 8+4+2=14;

Матрица по чекор 3

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 8 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 6 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 5 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 4 | 10 | 10 | 12 | 14 | 64 | 64 | 64 | 64 |
| 3 | 4 | 5 | 10 | 13 | 64 | 64 | 64 | 64 |
| 2 | 3 | 4 | 10 | 64 | 64 | 64 | 64 | 64 |
| 1 | 2 | 3 | 64 | 64 | 64 | 64 | 64 | 64 |