

$$X_n = (1/2)(X_{n-1} + a/X_{n-1})$$

$$X_1 = 1$$

$$a = 25$$

точка  $y$

$$y = (1/2)(y + a/y)$$

$$a = y^2$$

$$y = \sqrt{a}$$

```
void koren(int a)
{
    double x=1;
    int i=10;
    while(i>0)
    {
        x=0.5*(x+a/x);
        i--;
        printf("%f\n",x);
    }
    printf("%f\n",x);
}
```