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

$$X_1=1$$

$$a=25$$

```
double korenkv (int a)
{
    double old = 1;
    double noviy;
    for (int i = 0; i < 10; i++)
    {
        noviy = 0.5 * (old + a/old);
        cout << noviy << " ";
        old = noviy;
    }
    return noviy;
}
```

```
double korenkv (double a)
{
    double old = 1;
    double noviy;
    for (int i = 0; i < 10; i++)
    {
        noviy = 1.0/2.0 * (old + a/old);
        cout << noviy << " ";
        old = noviy;
    }
    return noviy;
}
```

точка y

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

$$a=y^2$$

$$y=\sqrt{a}$$

pow(a,b);

0.5^3.7

2^7=128
128,000000000000000000000001

int x=round(pow(2,7));//x=128