

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

$$X_1 = 1$$

$$a = 25$$

Math.sqrt()

Точка y

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

$$2y = y + a/y$$

$$2y - y = a/y$$

$$y = a/y$$

$$a = y^2$$

$$y = \sqrt{a}$$

$$x_2 = (1/2) * (1 + 25/1) = 1/2 * 26 = 13$$

$$x_3 = (1/2) * (13 + 25/13)$$

x10~5

```
function root(a)
{
  let xn;
  let xn_1=1;
  for (let i=1; i<10; i++)
  {
    xn=(1/2)*(xn_1+a/xn_1);
    xn_1=xn;
    document.write(xn+"<br>");
  }
}
```

