

```
format long,x=1.5,n=1;for n=1:25,x=(x2 + 2)/2/x, pause, end
```

```
x =
```

```
1.5000000000000000
```

```
x =
```

```
1.4166666666666667
```

```
x =
```

```
1.414215686274510
```

```
x =
```

```
1.414213562374690
```

```
x =
```

```
1.414213562373095
```

```
x =
```

```
1.414213562373095
```

```
x1= 1.414213562373094;x2= 1.414213562373096;x12, x22
```

```
ans =
```

```
1.9999999999999997
```

```
ans =
```

```
2.0000000000000003
```