

*Заполнить массив числами фибоначчи
1,1,2,3,5,8,13,21,34,55,...*

```
void fiba (int x[], int razmer)
{
    x[0] = 1;
    x[1] = 1;
    for (int i = 2; i < razmer; i++)
    {
        x[i] = x[i-1] + x[i-2];
    }
}
```

```
void fiba2 (int x[], int razmer)
{
    int help = 1;
    int superhelp = 1;
    x[0] = help;
    x[1] = superhelp;
    for ( int i = 2; i < razmer; i++)
    {
        x[i] = help + superhelp;
        superhelp = help;

        help = x[i]; //help = 2 superhelp = 1
    }
}
```

```
void fiba3 (int x[], int razmer)
{
    for (int i = 0; i < razmer; i++)
    {
        x[i] = (pow ((1 + sqrt(5))/2, i + 1) - pow ((1 -
sqrt(5))/2, i + 1))/ sqrt(5);
    }
}
```

