

```
SetDirectory["C:/drorbn/AcademicPensieve/2009-01"]
```

```
C:\drorbn\AcademicPensieve\2009-01
```

```
fib[0] = fib[1] = 1;
```

```
fib[n_Integer] /; n > 1 := fib[n - 1] + fib[n - 2]
```

```
Timing[fib[30]]
```

```
{12.605, 1346269}
```

```
? fib
```

```
Global`fib
```

```
fib[0] = 1
```

```
fib[1] = 1
```

```
fib[n_Integer] /; n > 1 := fib[n - 1] + fib[n - 2]
```

```
fib1[0] = fib1[1] = 1;
```

```
fib1[n_Integer] /; n > 1 := fib1[n] = fib1[n - 1] + fib1[n - 2]
```

```
Timing[fib1[30]]
```

```
{0., 1346269}
```

```
? fib1
```

```
Global`fib1
```

```
fib1[0] = 1
```

```
fib1[1] = 1
```

```
fib1[2] = 2
```

```
fib1[3] = 3
```

```
fib1[4] = 5
```

```
fib1[5] = 8
```

```
fib1[6] = 13
```

```
fib1[7] = 21
```

```
fibl[8] = 34
fibl[9] = 55
fibl[10] = 89
fibl[11] = 144
fibl[12] = 233
fibl[13] = 377
fibl[14] = 610
fibl[15] = 987
fibl[16] = 1597
fibl[17] = 2584
fibl[18] = 4181
fibl[19] = 6765
fibl[20] = 10946
fibl[21] = 17711
fibl[22] = 28657
fibl[23] = 46368
fibl[24] = 75025
fibl[25] = 121393
fibl[26] = 196418
fibl[27] = 317811
fibl[28] = 514229
fibl[29] = 832040
fibl[30] = 1346269

fibl[n_Integer] /; n > 1 := fibl[n] = fibl[n - 1] + fibl[n - 2]
```

? Save

Save["*filename*", *symbol*] appends definitions associated with the specified symbol to a file.

Save["*filename*", "*form*"] appends

definitions associated with all symbols whose names match the string pattern *form*.

Save["*filename*", "*context*"] appends definitions associated with all symbols in the specified context.

Save["*filename*", {*object*₁, *object*₂, ...}] appends definitions associated with several objects. >>

```
Save["fib.m", {fib, fib1}]
Import["fib.m", "String"]
fib[0] = 1

fib[1] = 1

fib[n_Integer] /; n > 1 := fib[n - 1] + fib[n - 2]

fib1[0] = 1

fib1[1] = 1

fib1[2] = 2

fib1[3] = 3

fib1[4] = 5

fib1[5] = 8

fib1[6] = 13

fib1[7] = 21
```

fibl[8] = 34

fibl[9] = 55

fibl[10] = 89

fibl[11] = 144

fibl[12] = 233

fibl[13] = 377

fibl[14] = 610

fibl[15] = 987

fibl[16] = 1597

fibl[17] = 2584

fibl[18] = 4181

fibl[19] = 6765

fibl[20] = 10946

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fibl[22] = 28657

fibl[23] = 46368

fibl[24] = 75025

fibl[25] = 121393

fibl[26] = 196418

fibl[27] = 317811

fibl[28] = 514229

fibl[29] = 832040

```
fib1[30] = 1346269
```

```
fib1[n_Integer] /; n > 1 := fib1[n] = fib1[n - 1] + fib1[n - 2]
```

■ **Quit and then:**

```
SetDirectory["C:/drorbn/AcademicPensieve/2009-01"]
```

```
C:\drorbn\AcademicPensieve\2009-01
```

```
fib[10]
```

```
fib[10]
```

```
<< fib.m
```

```
fib[20]
```

```
10 946
```