



```
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```

**DATA\_SECTION**

```
init_int nobs
init_vector Y(1,nobs)
init_vector x(1,nobs)
```

**PARAMETER\_SECTION**

```
init_number a
init_number b
vector pred_Y(1,nobs)
objective_function_value f
```

**PROCEDURE\_SECTION**

```
pred_Y=a*x+b;
f=(norm2(pred_Y-Y));
f=nobs/2.*log(f); // make it a likelihood function so that
                  // covariance matrix is correct
```