



```

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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

```

```

*- mode: compilation; default-directory: "c:/simple/" -*-
Compilation started at Sun May 24 12:00:00

```

```
admb simple
```

```

*** tpl2cpp simple
xxglobal.tmp
xxhtop.tmp
header.tmp
xxalloc.tmp
xxtopm.tmp
1 file(s) copied.

```

```

*** adcomp simple
g++ -c -O3 -Wno-deprecated -D__GNUDOS__ -Dlinux -DOPT_LIB -DUSE_LAPLACE -fpermiss
*** adlink simple
g++ -s -Lc:/admb/gcc345/lib simple.o -ldf1b2stub -ladmod -ladt -lado -ldf1b2stub ->

```

```
Compilation finished at Sun May 24 12:00:00
```