

```
1 $PROBLEM PROJECT singledose i.v bolus and infusion ;DATE 6-2-04 PROGRAMMER:XXXX
2 ;UNITS: Time=min,
3 ;Concentration=ng/ml
4 ;Clearance=L/min, Volume = L
5
6 $DATA ivlifest_par.csv IGNORE=C
7
8 $INPUT ID TIME CONC=DV AMT CMT RATE MDV
9
10 $SUBROUTINE ADVAN1 TRANS2
11
12 $PK
13 TVCL = THETA(1)
14 CL = TVCL*EXP(ETA(1)) ;Clearance in L/hr
15
16 TVV = THETA(2)
17 V = TVV*EXP(ETA(2)) ;Volume of distribution in L
18 S1 = V/1000
19
20 $ERROR
21 IPRED=F
22 Y=F+F*ERR(1)+ERR(2)
23
24 $THETA (0.01,1) ;POPCL
25 $THETA (1,20) ;POPV
26
27 $OMEGA 0.09 ;BSVCL
28 $OMEGA 0.09 ;BSVV
29
30 $SIGMA 0.0025 ;ERRCV
31 $SIGMA 1 ;ERRSD
32
33 $ESTIMATION METHOD=0 MAXEVAL=9990 PRINT=10 POSTHOC
34 $COVARIANCE
35
36 $TABLE ID TIME DV IPRED
37 NOPRINT ONEHEADER FILE= ivlifest_par.fit
38
```