

```

10  lprint
20  lprint "Sum of squares in linear regression for Eq. 6."
30  lprint "This program is for B=-0.909089."
40  lprint
50  lprint "B",tab(16);"Dose rate",tab(28);"Time",tab(56);"Sum of squares"
60  lprint tab(16);"rad/min",tab(28);"min",
70  lprint
80  read D,R
90  B=-0.909089
100 T=10^((log(D)/log(10)-2.21766)/B)
110 Z=T-R
120 'Z stands for differenc at dose rate D.
130 ZZ1=ZZ1+Z^2
140 'ZZ1 stands for sum of squares added up at dose rate D.
150 lprint B,tab(15);D,tab(27);T,tab(55);ZZ1
160 goto 80
170 data 50,3.72,20,10.2,10,21.8,5,46.8,2,128.5,1,275

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Sum of squares in linear regression for Eq. 6.
This program is for B=-0.909089.

B	Dose rate rad/min	Time min	Sum of squares
-0.909089	50	3.7201477900139159843	0.0000000218418882132
-0.909089	20	10.1928380090917450155	0.0000513159556581403
-0.909089	10	21.8488615559384267376	0.0024387676043821454
-0.909089	5	46.8341349940772252481	0.0036039654250343482
-0.909089	2	128.3209104143624407212	0.0356770451088670268
-0.909089	1	275.0623333633464816954	0.0395624932949515345