

```
>>% Finding an Exponential Model for Computers
```

```
>> A=[1 0;1 1;1 2;1 3;1 5;1 6]
```

```
A =
```

```
1  0
1  1
1  2
1  3
1  5
1  6
```

```
>> y=[.08;2;.4;.8;6.9;30]
```

```
y =
```

```
0.0800
0.2000
0.4000
0.8000
6.9000
30.0000
```

```
>> ly=log10(y)
```

```
ly =
```

```
-1.0969
-0.6990
-0.3979
-0.0969
0.8388
1.4771
```

```
>> inv(A'*A)*(A'*ly)
```

```
ans =
```

```
-1.1784
0.4174
```

```
>> C=10^ans(1)
```

```
C =
```

```
0.0663
```

```
>> b=ans(2)
```

```
b =
```

```
0.4174
```