

```
> with(CurveFitting) :
```

```
> Performing curve fit on float sort data.
```

```
> LeastSquares (
```

```
[[2000,21          ],  
[4000 ,57.33333333],  
[6000 ,130         ],  
[8000 ,234.3333333],  
[10000,370         ],  
[12000,505.3333333],  
[14000,703.3333333],  
[16000,932.3333333],  
[18000,1150.6666667],  
[20000,1448        ]],n,curve=a*n^2+b*n+c) ;
```

```
8.000000033 - 0.00133737375222716228 n + 0.00000364898989996211722 n2
```

```
> Performing curve fit on integer sort data.
```

```
> LeastSquares (
```

```
[[2000 ,10.33333333],  
[4000  ,31          ],  
[6000  ,63          ],  
[8000  ,114.3333333],  
[10000 ,177         ],  
[12000 ,266         ],  
[14000 ,359         ],  
[16000 ,463.3333333],  
[18000 ,572.6666667],  
[20000 ,739.6666667]],n,curve=a*n^2+b*n+c) ;
```

```
6.038888904 - 0.00149709596600759200 n + 0.00000188352272763257630 n2
```

```
>
```