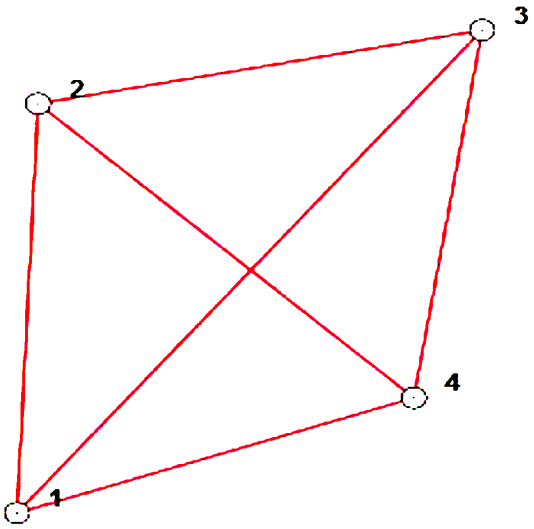
```
> restart; Digits := 16 :
```




```
#1-2......47.1803
#1-3......71.5936
#1-4......40.7192
#2-4......49.7608
#2-3......43.9082
#3-4......42.8732
```

```
> s12 := 47.1803 + Δ :
  s13 := 71.5936 + Δ :
  s14 := 40.7192 + Δ :
  s24 := 49.7608 + Δ :
  s23 := 43.9082 + Δ :
  s34 := 42.8732 + Δ :
```

```
> # полупериметры
  p124 := (s12 + s24 + s14)/2 :
  p234 := (s23 + s34 + s24)/2 :
  p123 := (s12 + s23 + s13)/2 :
  p134 := (s13 + s34 + s14)/2 :
```

```
> # Формула Герона для площади треугольника
  S124 := sqrt(p124·(p124 − s12)·(p124 − s24)·(p124 − s14)) :
  S234 := sqrt(p234·(p234 − s23)·(p234 − s34)·(p234 − s24)) :
  S123 := sqrt(p123·(p123 − s12)·(p123 − s23)·(p123 − s13)) :
  S134 := sqrt(p134·(p134 − s13)·(p134 − s34)·(p134 − s14)) :
```

```
> F := S124 + S234 − (S123 + S134) : # F = 0
```

```
> t := taylor(F, Δ = 0, 3);
```

$$t := -0.8608398403093 - 20.46610779974783\,\Delta + 0.3518067843818904\,\Delta^2 + O\left(\Delta^3\right) \quad \textbf{(1)}$$

```
> fsolve( -0.8608398403093 - 20.46610779974783 Δ + 0.3518067843818904 Δ^2 = 0, Δ)
```

$$-0.04203135908869357,\ 58.21631539316698 \quad \textbf{(2)}$$

```
> Δ := -0.042031359;
  S124 + S234; (S123 + S134);
```

$$\Delta := -0.042031359$$

$$1774.715074040070$$

$$1774.715072732717 \quad \textbf{(3)}$$

```
> F
```

$$0.0000013073531 \quad \textbf{(4)}$$

```
>
```