```
Serie 4
Aufgabe 1
      0
           2500
                                    5000
                                               10000
                        3750
                          2
   1013 747
                                     540
                                                72C
  P_3(x) = \sum_{i=0}^{\infty} |.(x) \cdot y_i|
           = 1013 · 10 (x) + 747 · 11 (x) + 540 12 (x) + 276 134)
   (x - x_1)(x - x_2)(x - x_3) 
 (x_0 - x_1)(x_0 - x_2)(x_0 - x_3) 
         = 1. (3750) = -0.078125
 | (x - x_0)(x - x_2)(x - x_3) 
 (x_1 - x_0)(x_1 - x_2)(x_1 - x_3) 
        = 1, (3750) = 0.625
|_{2}(x) = \frac{(x - x_{0})(x - x_{1})(x - x_{2})}{(x_{2} - x_{0})(x_{2} - x_{3})}
        = 1, (3750) = 0.46875
           (x-x) (x-x)
1, (x) =
           (\times_3 - \times_0)(\times_3 - \times_1)(\times_3 - \times_1)
        = 13(3750) = -0.015625
                                                     P3 (x) = 637
```