Aufgabe 3a) 9 13 1997 1333 2006 2010 104 172 152 Anzahl Taga 150 Polynom 3. Grades:  $f(x) = ax^3 + bx^2 + cx + d$ d = 150d = 150 X=0 : 8a + 46+ 2c = -46 x=2: 8a + 4b + 2c +d = 104 x=9: 720a+ 81b+ 9c+d= 172 720a + 816+9c = 22 x=13: 2197a+169b+13c+d=152 2197a + 1696+13c= 2  $A = \begin{pmatrix} 8 & 4 & 2 \\ 720 & 81 & 9 \\ 2187 & 169 & 13 \end{pmatrix} \qquad b = \begin{pmatrix} -46 \\ 22 \\ 2 \end{pmatrix}$ 8 4 2 -46 720 81 9 22 2197 169 13