$$+ f(X_0, X_1, X_2, X_3) \cdot (X - X_0)(X - X_1)(X - X_2), ygl
 + f(X_0, X_1) = \frac{y_1 - y_0}{X_2 - X_0},
 + f(X_0, X_1, X_2) = \frac{f(X_1, X_2) - f(X_0, X_1)}{X_2 - X_0},
 + f(X_0, X_1, X_2) = \frac{f(X_1, X_2, X_3) - f(X_0, X_1, X_2)}{X_3 - X_0}$$

$$P_3(x) = -7 + 6(x-1) - 1(x-1)(x-3) + 6(x-1)(x-3)(x-4)$$

2)
$$\int \frac{dx}{x} = \ln|x||_{1}^{2} = \ln|x| - \ln|1| = 0,69315 - 0 = 0,69315 = I$$

$$h=5=7h=2-1=0,2$$

$$T=h(2f(x_0)+2f(x_1)+2f(x_1))$$

$$y_4 = y_3 + h\left(\frac{y_3 - y_3}{y_3 + y_3}\right) = 1,174 + 91\left(\frac{1,174 - 93}{1,174 + 93}\right) = 1,2333$$

Omlem:
$$y_1 = 4, 1$$

$$y_2 = 4, 10 + 3$$

$$y_3 = 4, 174$$

$$y_4 = 4, 2333$$