Using a table of values of the function *y*(*x*) at points *xi*, *i*=0,1,2,3,4,5 construct a cubic spline interpolation polynomial, calculate the value of the interpolation error at point *x*\*; solve the normal system of the method of least squares to construct approximating polynomials of the 1st and 2nd degree, calculate the sum of squared errors for each of the approximating polynomials:

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