The predicted values (found by least-squares estimation on the six difference equations) are:

$$x_1 = 1.8225$$
$$x_2 = 0.6075$$
$$x_3 = -2.6025$$
$$x_4 = 0.1725$$

Comparing with the measurements

$$x_1 = 2.95$$
$$x_2 = 1.74$$
$$x_3 = -1.45$$
$$x_4 = 1.32$$

and so the estimations appear to be very bad (38.23%, 65.09%, 79.48% and 13.07% off respectively).

However, if we add the measurements to the system of equations, and solve all 10 simultaneously, we get the estimates

$$x_1 = 2.96$$
$$x_2 = 1.746$$
$$x_3 = -1.46$$
$$x_4 = 1.314$$

which are only 0.34%, 0.34%, 0.69% and 0.46% off respectively.