

Please use this sheet to fill in your results and hand it in together with the rest of your solution, i.e. your commented written calculations. Notice that giving only the results will not be credited.

Discretized cost functional:

$$J \approx$$

Discretized differential equation:

$$x_{k+1} = x_k + u_k$$

$$H = \begin{bmatrix} & & \\ & & \\ & & \end{bmatrix}$$
$$f = \begin{bmatrix} \\ \\ \end{bmatrix}, \quad d =$$



e)

Optimal solution:

$$y^* =$$

f) No results have to be filled in.

g) No results have to be filled in.

h) No results have to be filled in.