

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

Discretized cost functional:

$$J \approx$$

No results have to be filled in.

Discretized differential equation:

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

Discretized differential equation:

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

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

$$b_{\text{eq}} =$$

$$A_{\text{ineq}} =$$

$$b_{\text{ineq}} =$$

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.