Mini report #1 (Advanced Automation) 2017.11.2

Student #: _____   Name: _____

[NOTICE]

- write by hand

- due date: **2017**/11/8 17:00; place of submission: room 405(1   )

- check if your answer is correct or not before submission by using Matlab

Let M be a matrix given as:

$$M = \begin{bmatrix} j & j \\ 0 & 1 \end{bmatrix}.$$

Answer the followings:

(1) $\bar{M}$

(2) M^*

(3) M^*M

(4) $\lambda_i(M^*M)$

(5) $\sigma_i(M)$

(6) $\bar{\sigma}(M)$