

- ① Consider an LTI system with unit impulse response $h(t) = u(t)$. Is the system BIBO stable?

4 points

- ② Is the system is given by the impulse response $h(t) = \frac{1}{t} u(t-T)$ BIBO stable? Does the value of T affect your answer?

$$\int \frac{1}{t} dt = \ln(t) + C$$

6 points