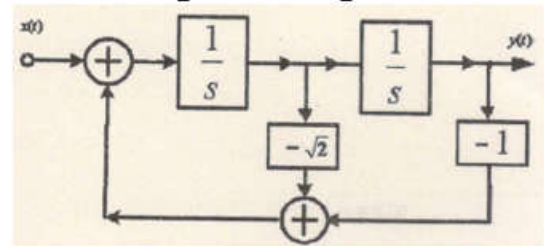


Discussion problem assignment:

第一题:

- 1. A continuous-time causal LTI system is shown in the figure. Determine the system function and its unit impulse response. Is this system a low-pass filter?**



第二题:

- 2. A stable system with input $x(t)$ and output $y(t)$ is defined in the figure. Determine the system function and its unit impulse response. Is this system causal?**

