Integrability in miss.

- 1. Riemann & integral $\int_a^b \int_a^b X(wt) dt = exists in mss.,$ if $\iint_a^b R_X(t,t') dt dt' < \infty$.
- 2. If X(urt) is uniformly continuous in mss on a finite interval, then I X(urt) dt exist in mss.
- 3- The Fourier integral \$\sum_{\infty} X(u,t) e^{-tize}t dt doesn't exist in m.s.s. in general, when X(u,t) is w.s.s.
- 4. X(ust) w.s.s., LTI operator stable, then the groutput exists in m.s.s.