

6.

$$\text{rate} = T/t;$$

$$m = 0 : 1/t : 1/T;$$

for  $i\bar{i} = 1 : \text{length}(X[n])$

$$y_c(i\bar{i}, :) = X[n](i\bar{i})^* \text{sinc}((-i\bar{i}+1)^* 1/t + m);$$

end

$$X_a = \text{sum}(y_c);$$