|  |  |
| --- | --- |
| Analog CT:  DT:  It’s periodic because spectrum X(w) of DT signal is periodic with period F = Fs. |  |
|  | To change sampling rate:    To make sure is not damaged,  Then not damaged.  Then remove any frequency in x(t) where X(w) > Fy/2  As a result:  if X(F) = 0 for |
|  |  |
| Polyphase  To go from DFT to IDFT  We need to divide the whole expression by 1/N, and we need to (`)\* the produce inside.  , | |  |  | | --- | --- | | Type 1 |  | | Type 2 |  | | Type 3 |  | | Type 4 |  | |
|  | |  |  | | --- | --- | | Type 1,2 | (can be obtain via CT) | | Type 3,4 |  | |