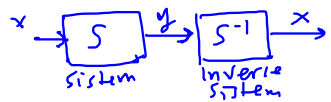


Definisi Suatu sistem dikatakan "invertible" jika memiliki "inverse"

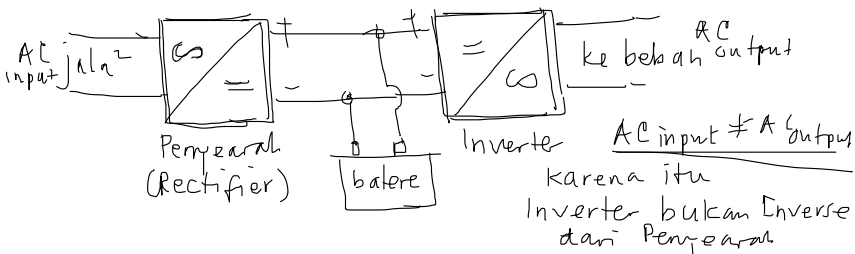


Inverse suatu sistem pasti invertible juga
sifat invertibilitas sangat penting
diperhatikan dalam sistem pengolahan isyarat
(Signal Processing)

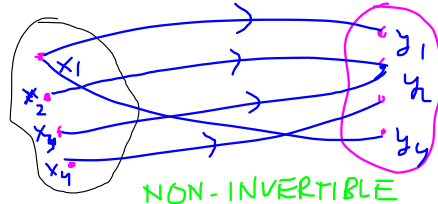
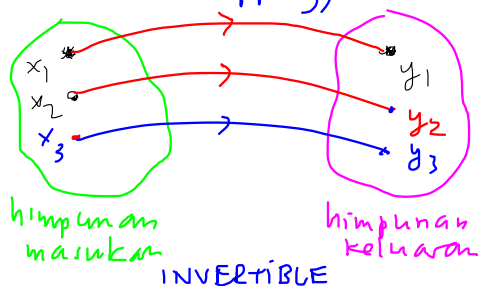
Contoh.

Sistem	Inverse Sistem
Recorder	Playback
Transmitter	Receiver
Modulator	Demodulator
Encoder	Decoder
Enkripsi	Dekripsi
Scrambler	Descrambler
Microphone	Loud speaker

Uninterruptable Power Supply (UPS)



Suatu sistem yang "invertible" umumnya memetakan masukan ke keluaran dengan pemetaan satu ke satu (ONE TO ONE mapping):



Contoh:

* Penguat $y = 10x$ INVERTIBLE
Inverse penguat adalah REDAMAN (Attenuator)

* Penyearah: $y = |x| \rightarrow$ NON-INVERTIBLE

$$x = 2 \rightarrow y = 2$$

$$x = -2 \rightarrow y = 2$$

