



Security C –  
TSMC Secret

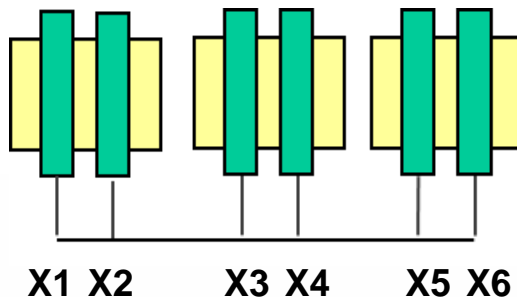
# Flicker Noise Corner Extraction

LVS  
2018/01/30

# “TOTAL” Parameter for Logic MOS

- Turn on “FLICKER\_CORNER\_EXTRACTION” switch will enable **“total”** instance parameter extraction for logic MOS. It is used to handle flicker noise corner of multiple devices connected in parallel.
- **total**: number of same devices of the same size connected in parallel
  - L/nfin must be the same (grouping for same device/bias/size)

	Device	NFIN	L	Parallel	OD
total	O	O	O	O	*
O: need to be the same *: don't care					



- LPE netlist example
  - X1 d g s b nch\_svt\_mac nfin=2 l=8n **total=6**
  - X2 d g s b nch\_svt\_mac nfin=2 l=8n **total=6**
  - X3 d g s b nch\_svt\_mac nfin=2 l=8n **total=6**
  - X4 d g s b nch\_svt\_mac nfin=2 l=8n **total=6**
  - X5 d g s b nch\_svt\_mac nfin=2 l=8n **total=6**
  - X6 d g s b nch\_svt\_mac nfin=2 l=8n **total=6**