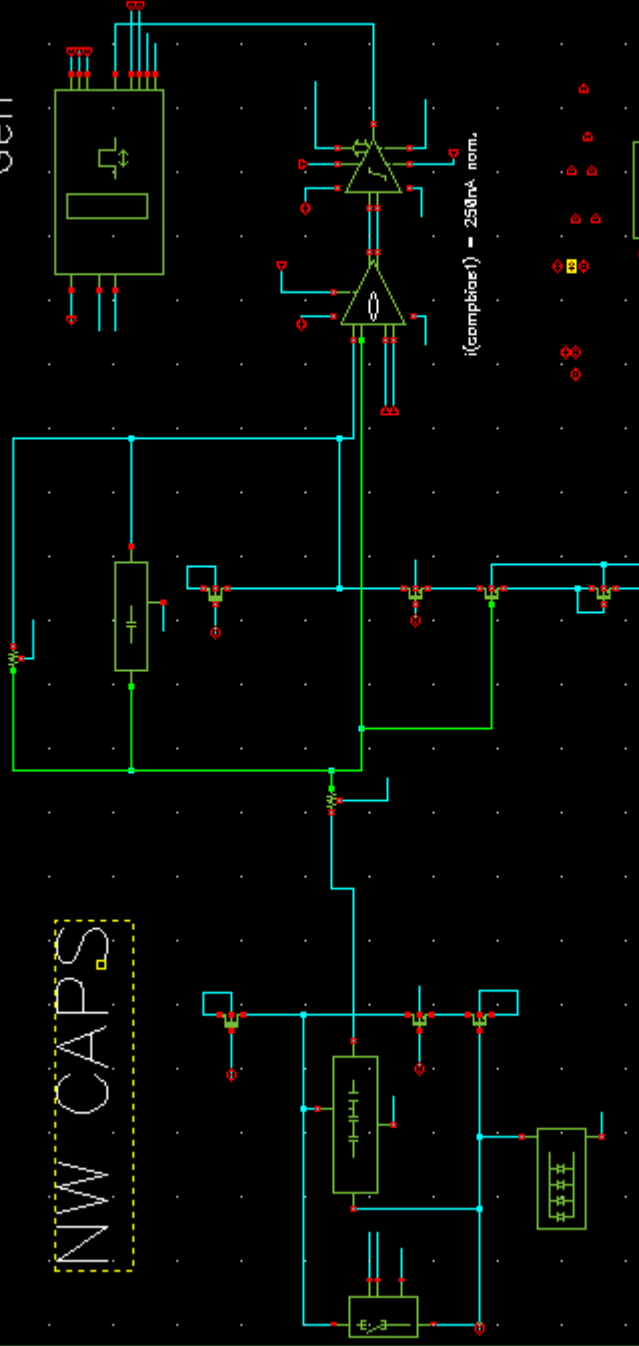


Charge  
Preamp

NW CAPS

Shaper Comparators  
Pulse Gen



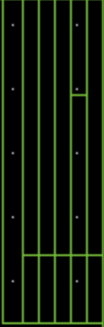
$I(\text{prebias}) = 1.5\mu\text{A}$  norm.

prebias = 1.5x

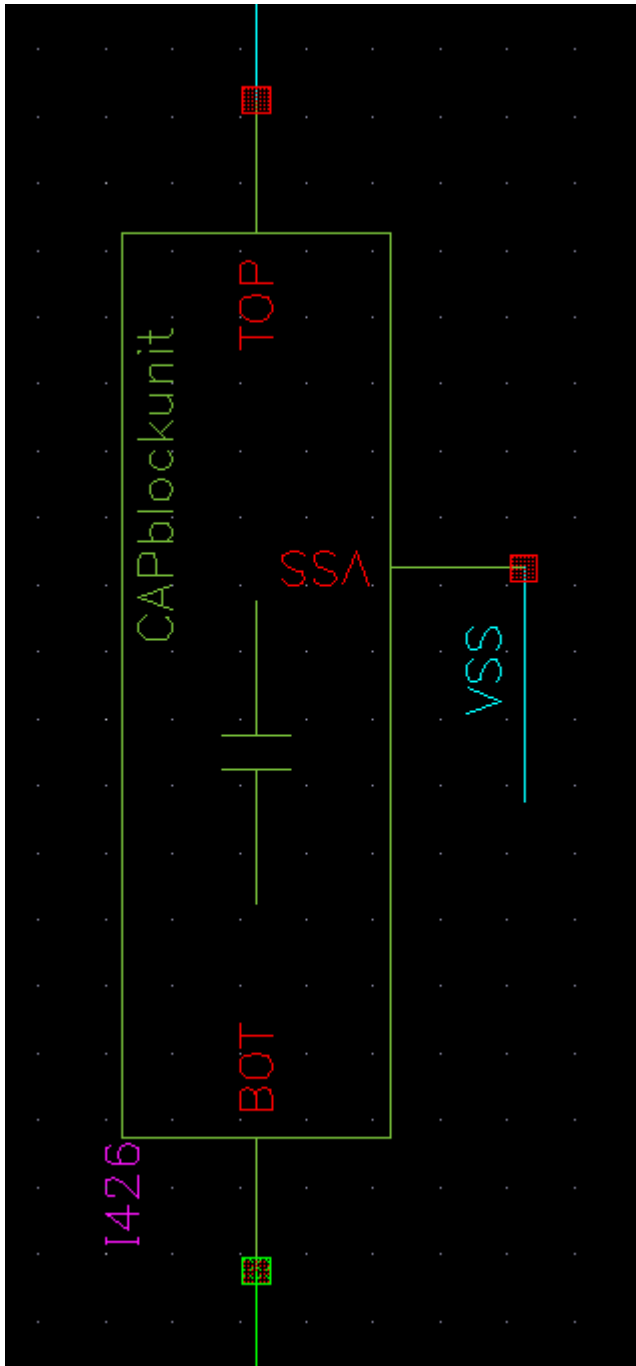
$I(\text{shaperbias}) = 1.5\mu\text{A}$  norm.

shaperbias = 1.5x

$I(\text{combias}) = 250\text{nA}$  norm.



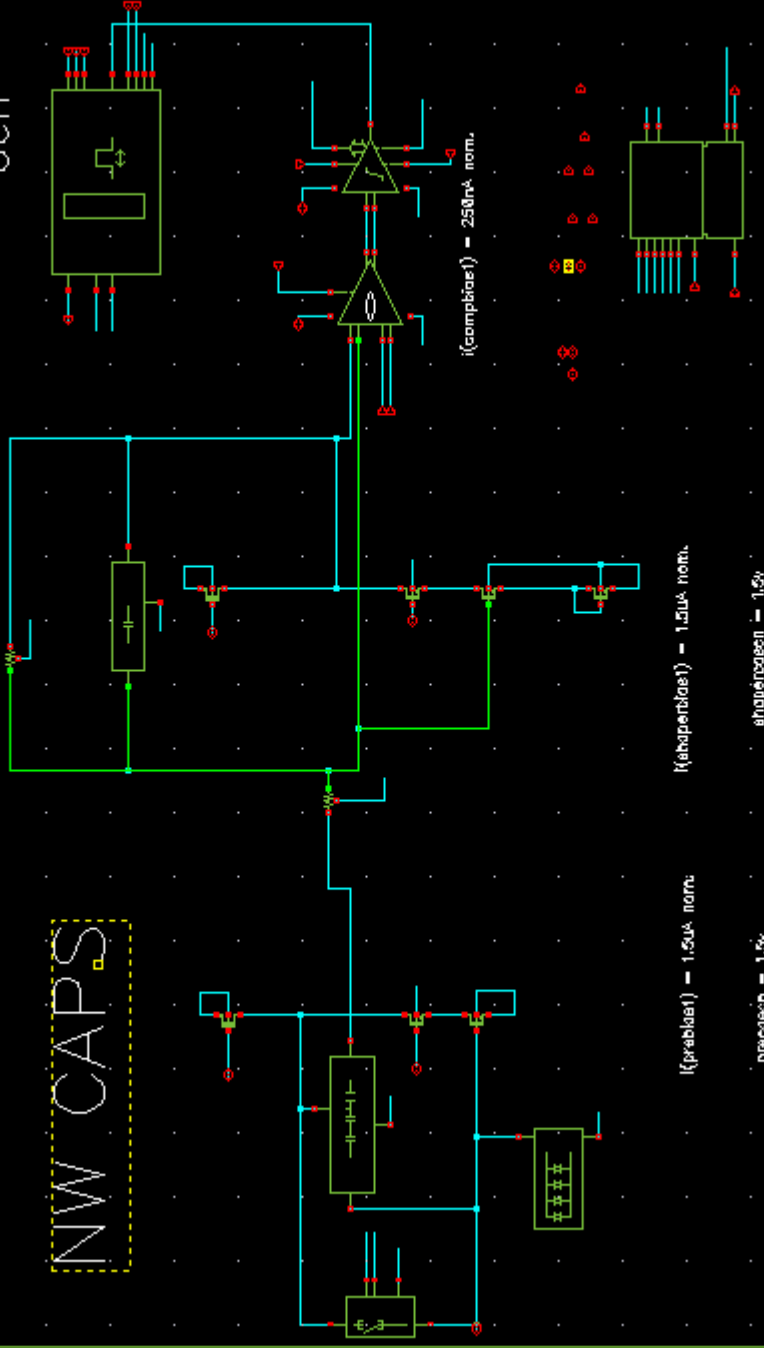
5V



Charge  
Preamp

NW CAPS

Shaper  
Comparators  
Pulse  
Gen



$i(\text{preload}) = 1.5\mu\text{A norm}$

preload = 1.5k

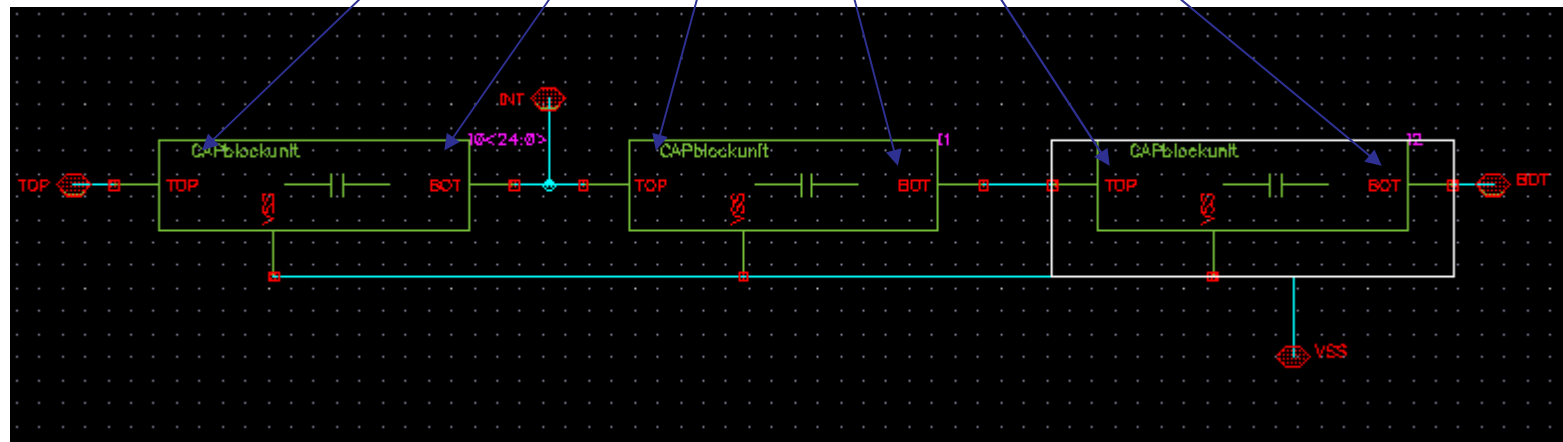
$i(\text{chaperload}) = 1.5\mu\text{A norm}$

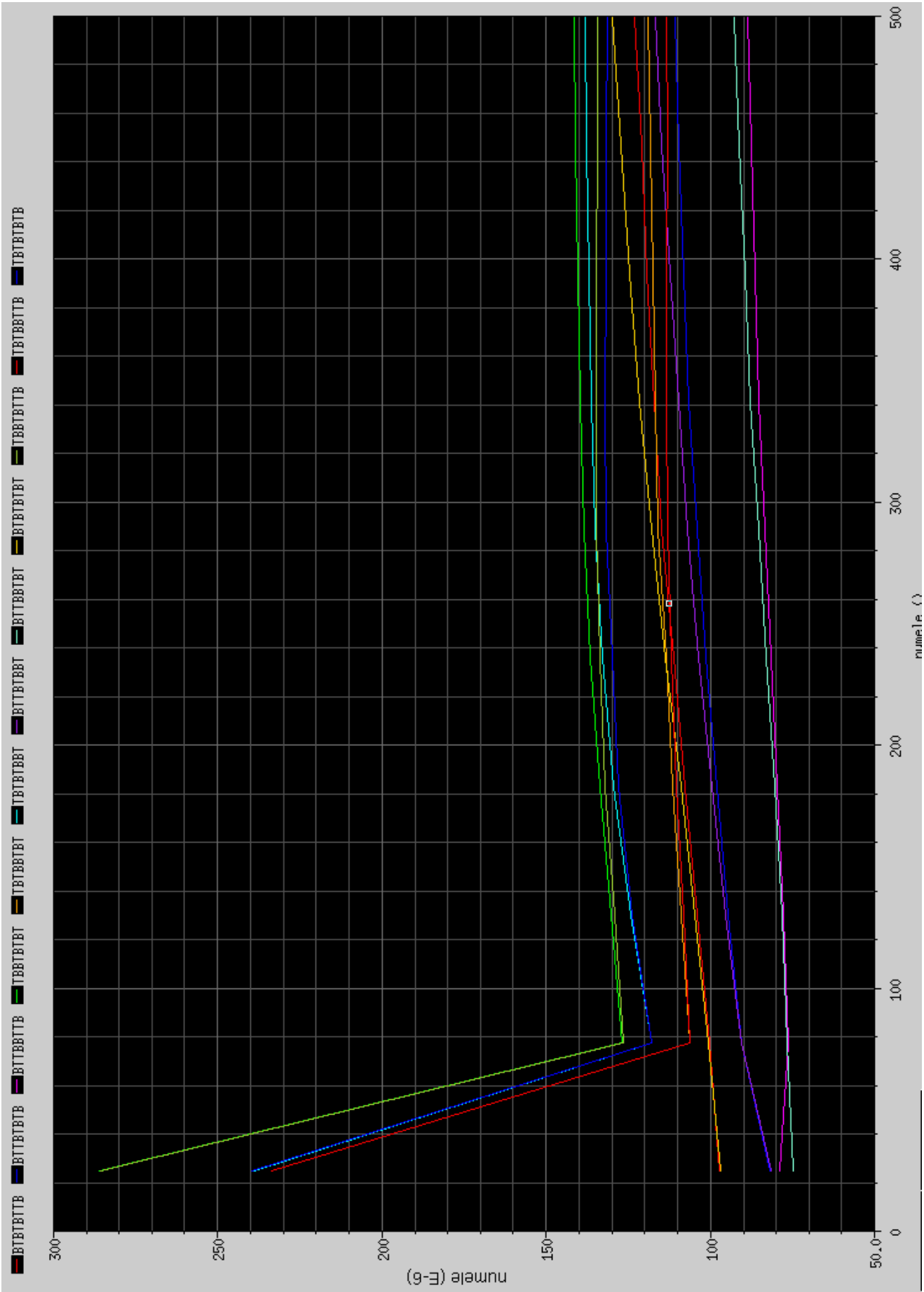
chaperload = 1.5k

$i(\text{complate}) = 250\text{nV norm}$

Component	Value
Resistor	1.5k
Capacitor	100pF
Resistor	1.5k
Capacitor	100pF
Resistor	1.5k
Capacitor	100pF
Resistor	1.5k
Capacitor	100pF
Resistor	1.5k
Capacitor	100pF

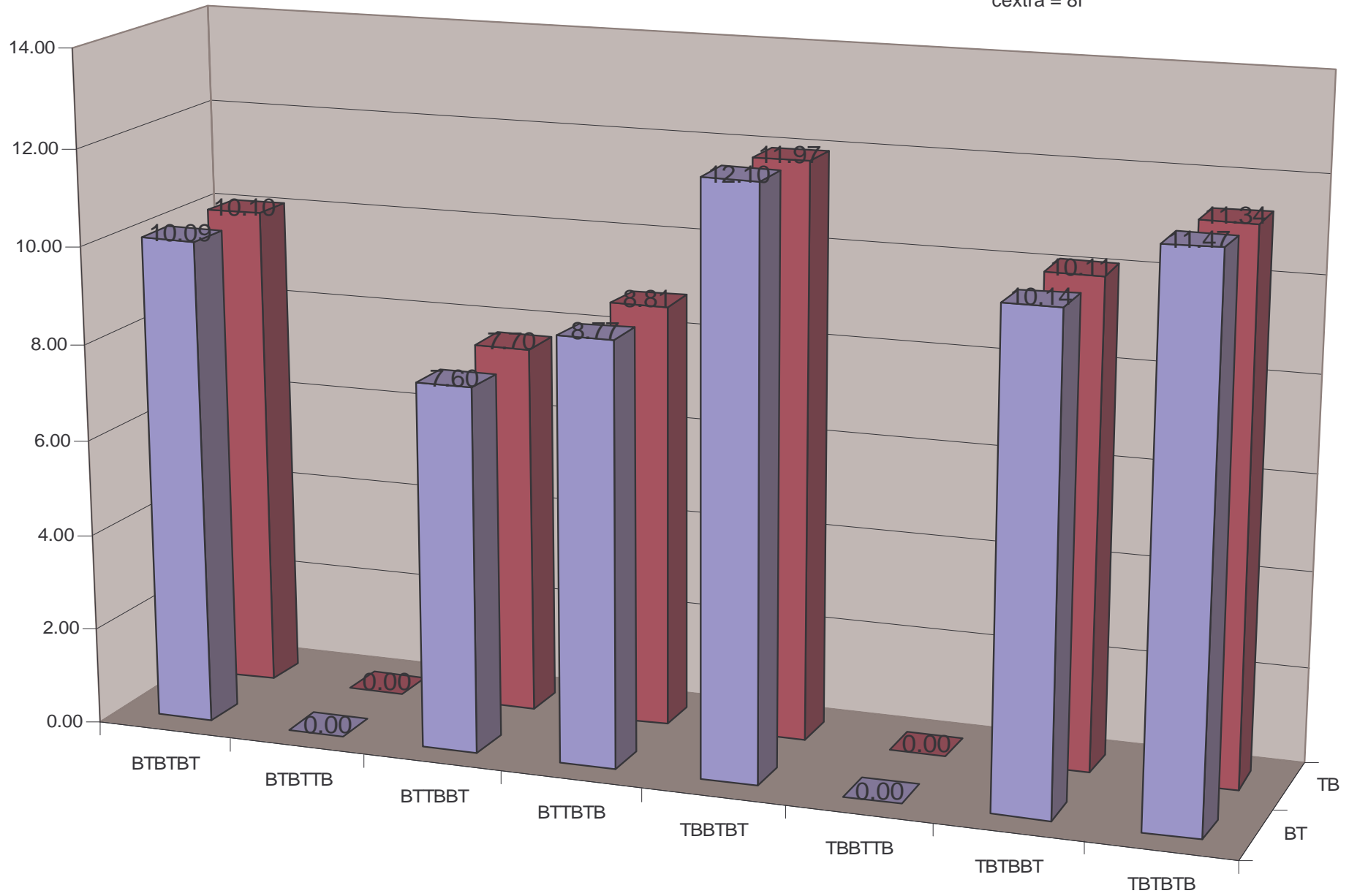
# TBTBTB





Pixel = 1.8

cextra = 8f



Pixel = 3.6

cextra = 8f

