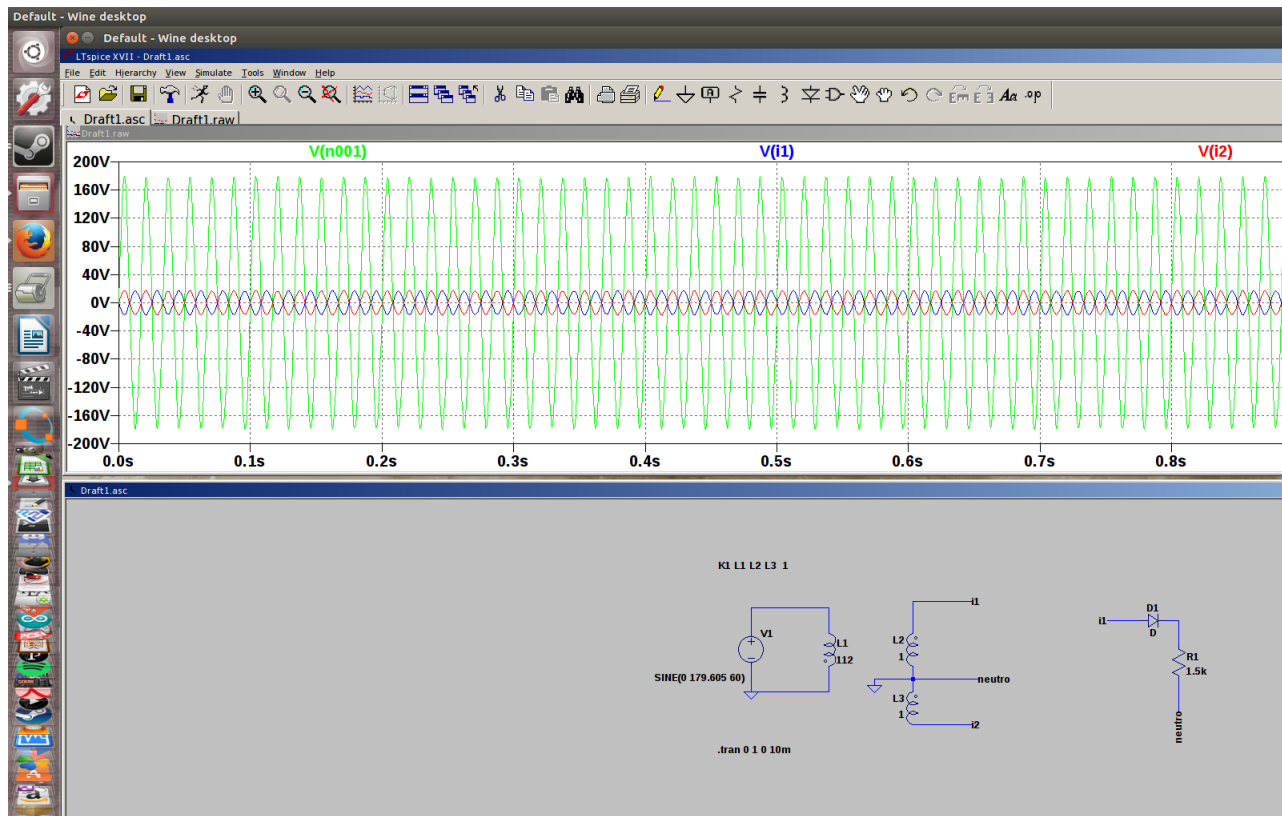


Preparatório 4 e Preparatório 5 - Eletrônica

Hiago Riba Guedes RGU:11620104

Professor:Guilherme Garcia

Preparatório 4



Graficos de saída dos transformadores

Preparatório 5

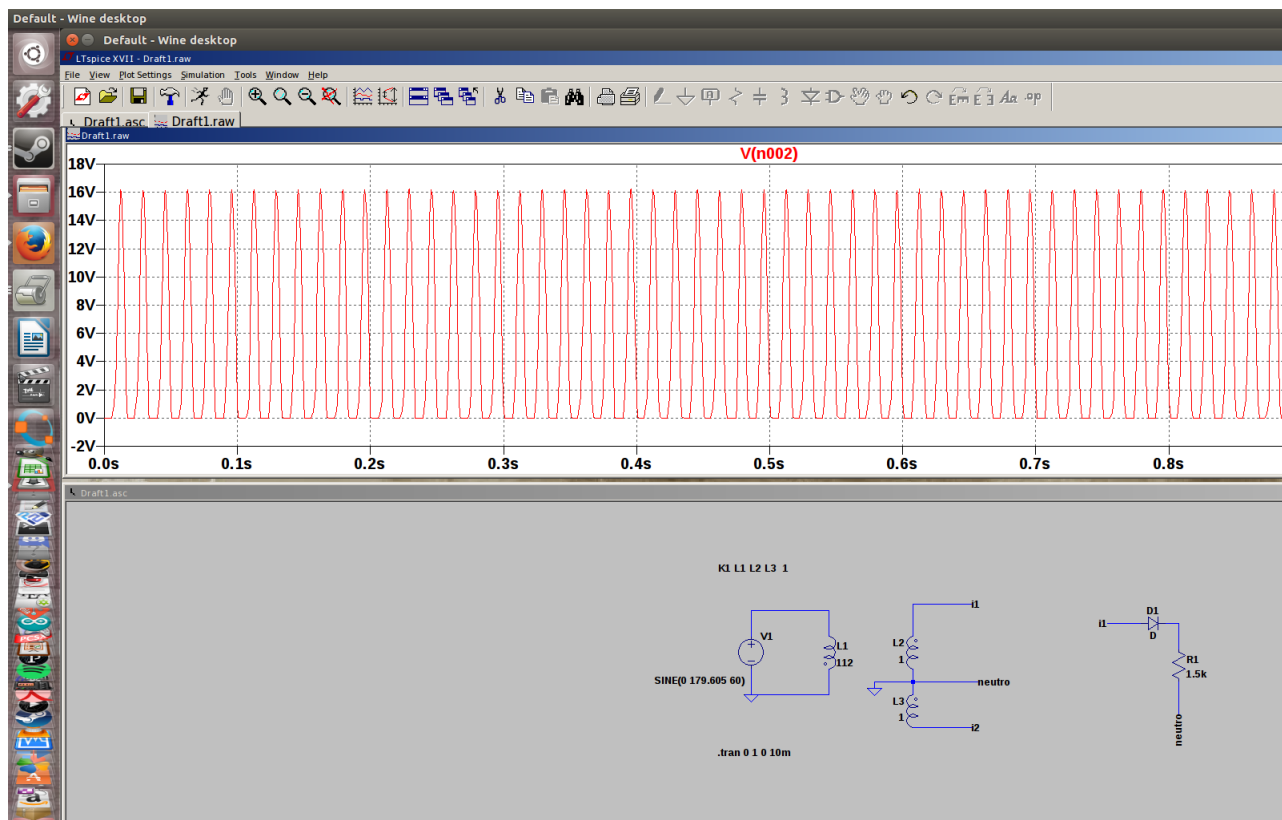


Grafico de saída para meia-onda

$$V_{\text{médio}} = \frac{V_{\text{pico}}}{\pi} = \frac{127 \cdot \sqrt{2}}{\pi} = 57.17 \text{ V}$$

$$V_{\text{RMS}} = \frac{V_{\text{pico}}}{2} = \frac{127 \cdot \sqrt{2}}{2} = 89.8 \text{ V}$$

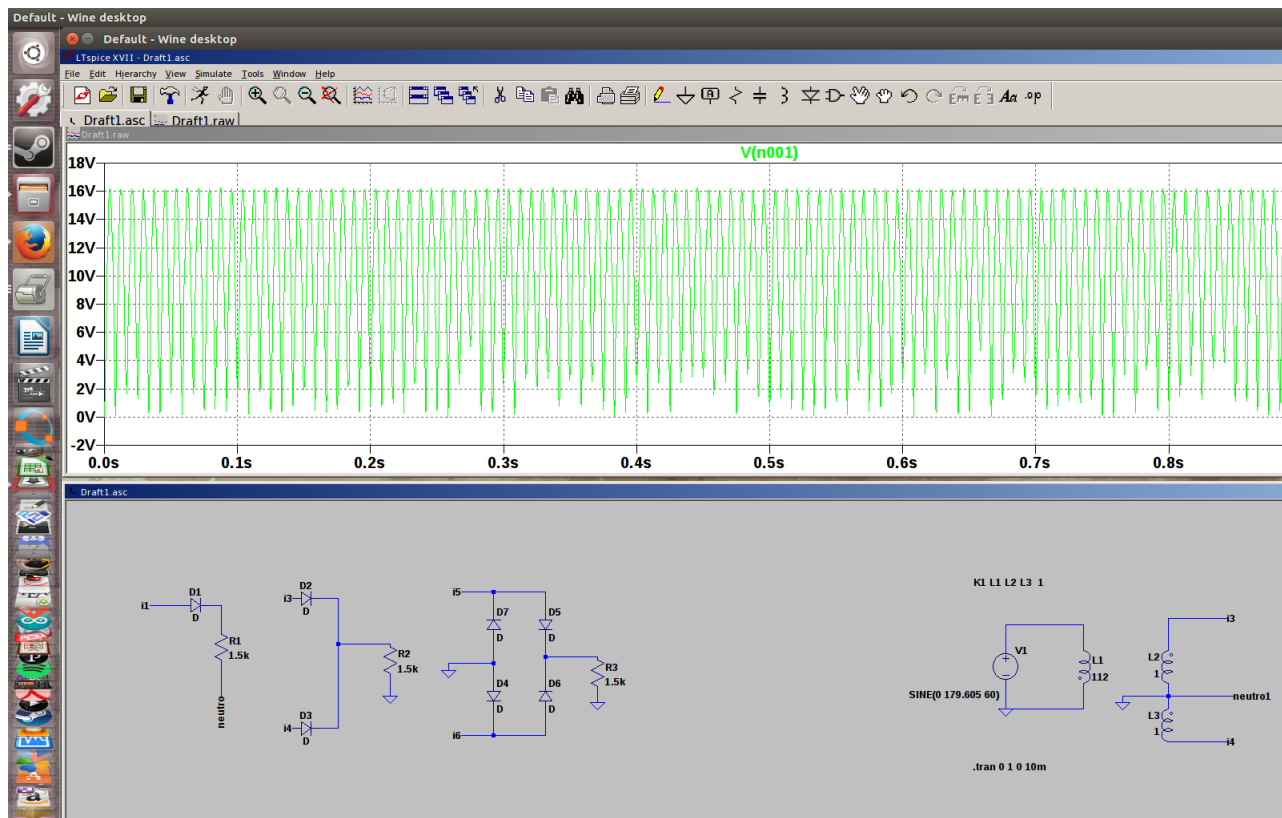


Grafico de saída para dois diodos $V_{\text{médio}} = \frac{2 \cdot V_{\text{pico}}}{\pi} = \frac{2 \cdot 127 \cdot \sqrt{2}}{\pi} = 114.34 \text{ V}$
 $V_{\text{RMS}} = \frac{V_{\text{pico}}}{\sqrt{2}} = \frac{127 \cdot \sqrt{2}}{\sqrt{2}} = 127 \text{ V}$

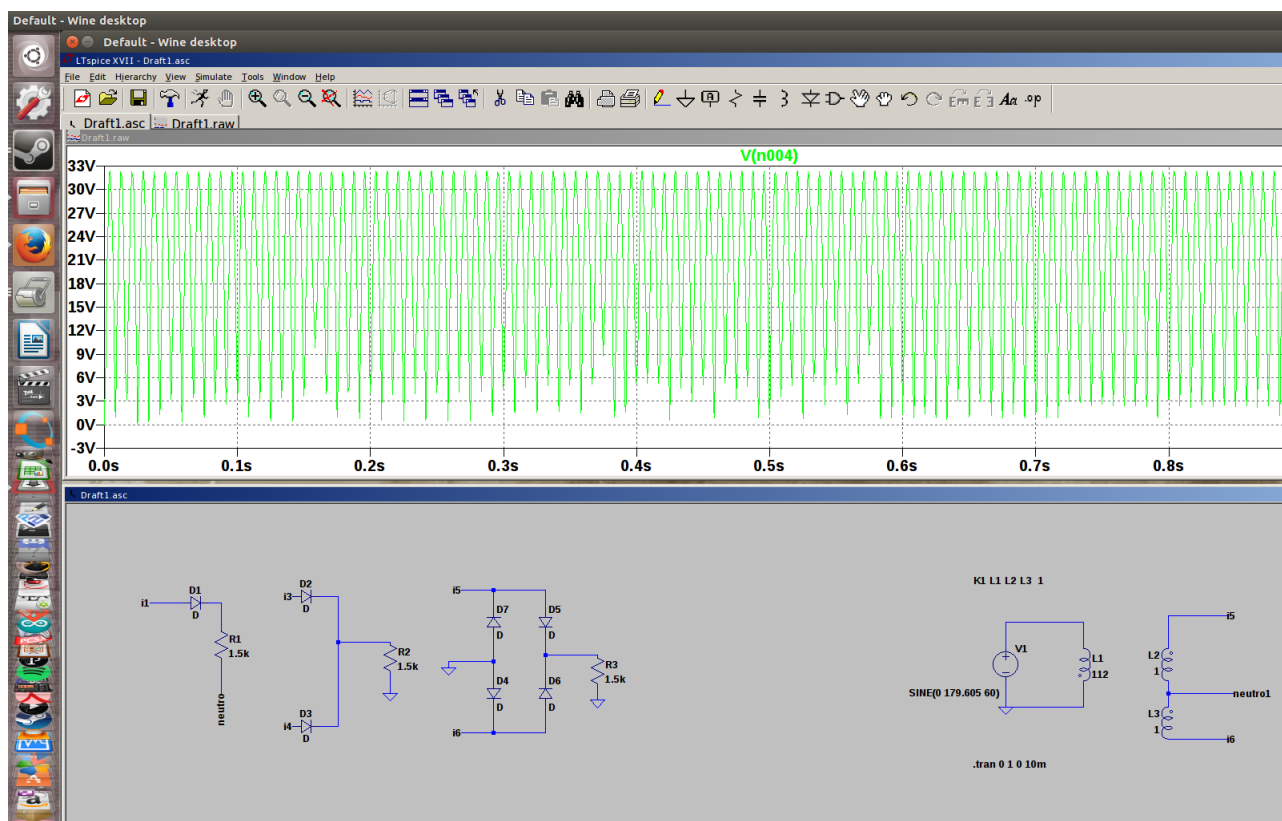


Grafico de saída para ponte

$$V_{\text{médio}} = \frac{2 \cdot V_{\text{pico}}}{\pi} = \frac{2 \cdot 127 \cdot \sqrt{2}}{\pi} = 114.34 \text{ V}$$

$$V_{\text{RMS}} = \frac{V_{\text{pico}}}{\sqrt{2}} = \frac{127 \cdot \sqrt{2}}{\sqrt{2}} = 127 \text{ V}$$

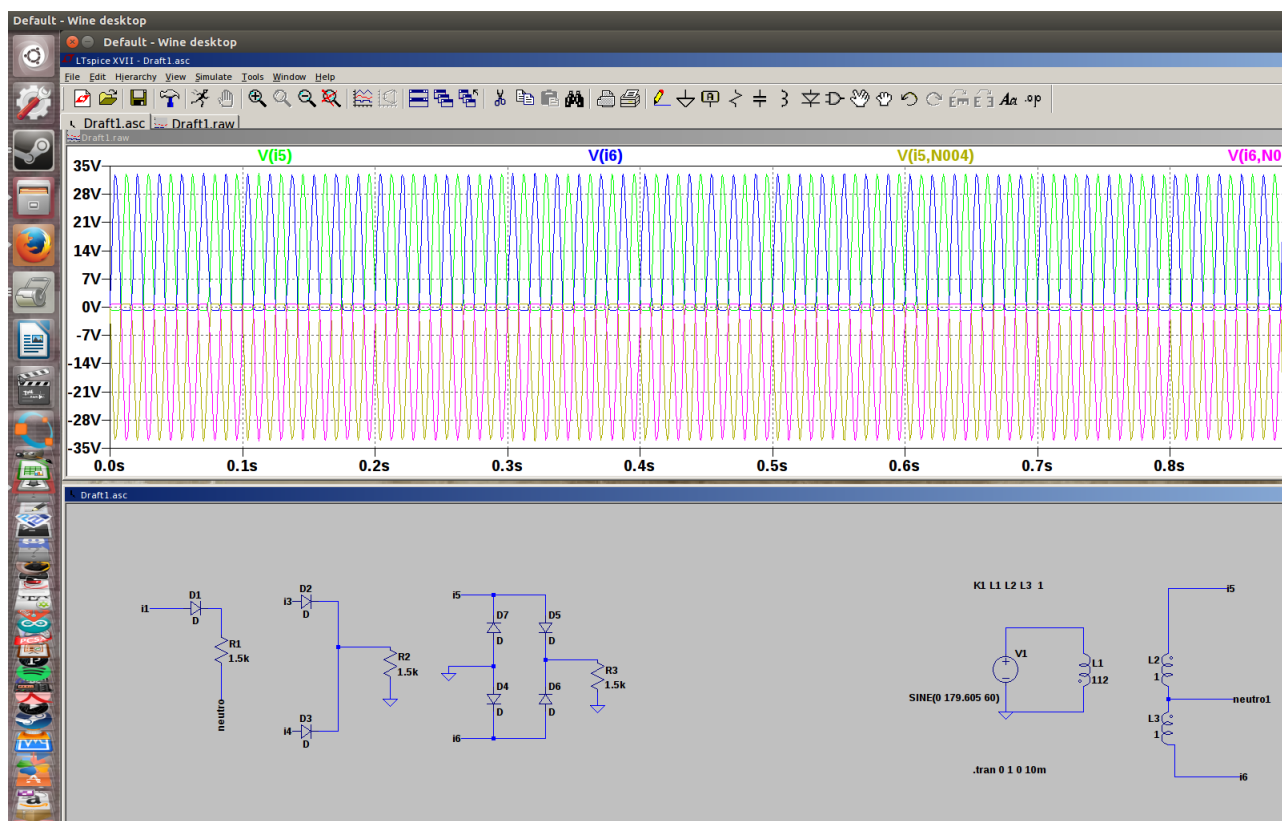
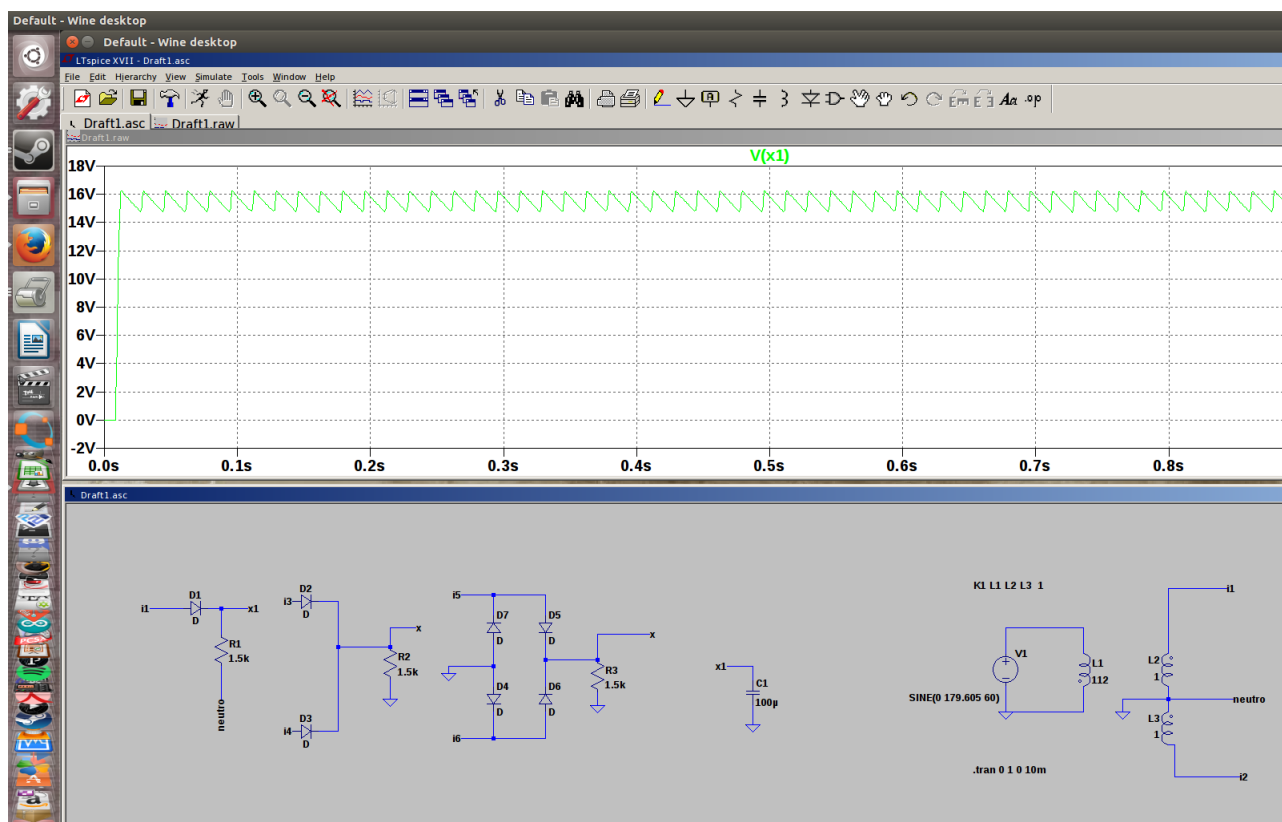
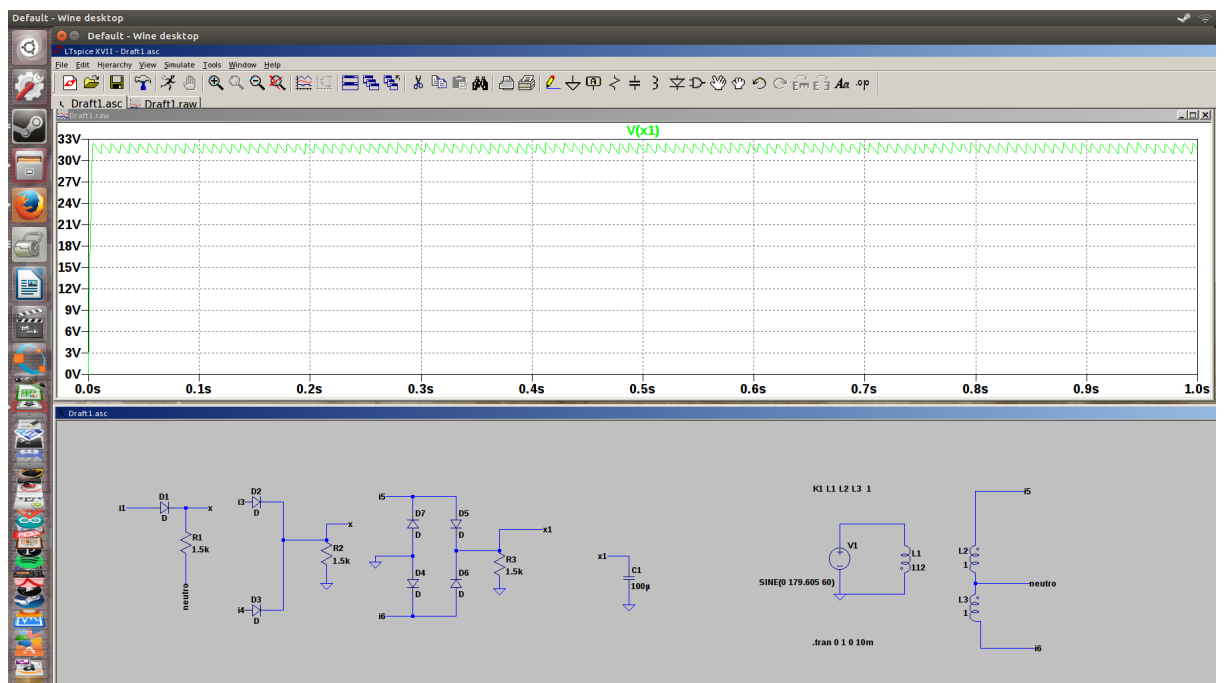


Grafico de saída de todos os diodos em individual



Filtragem meia onda



Filtragem de ponte