Příloha C - Simulace spínaného zdroje SEPIC

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Fakulta elektrotechnická
České vysoké učení technické

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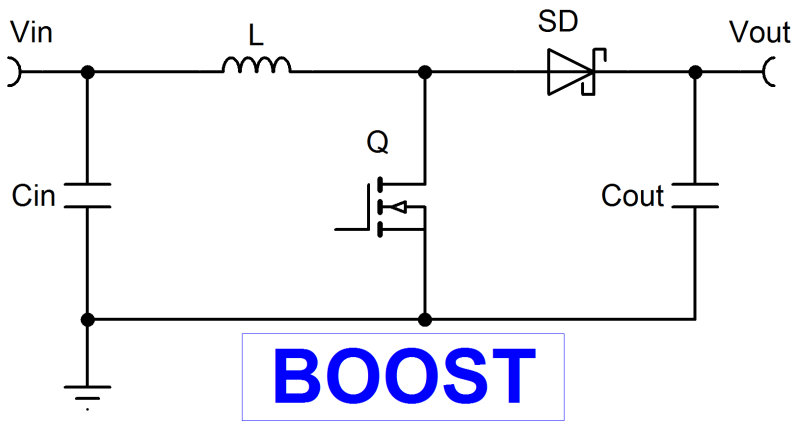
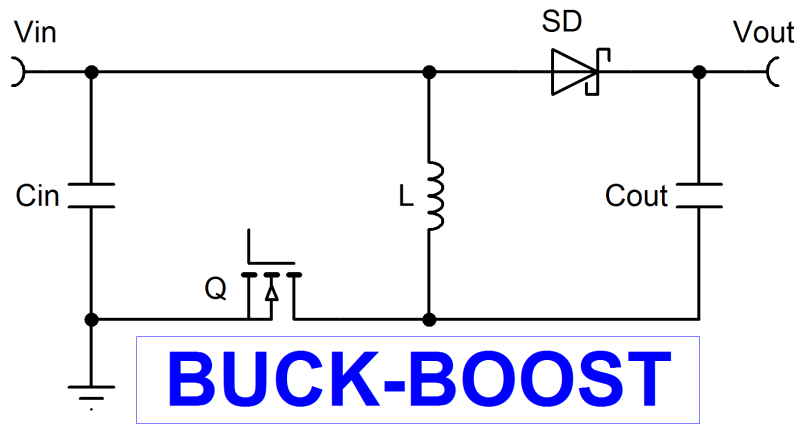
Obsah

Spínaný zdroj SEPIC

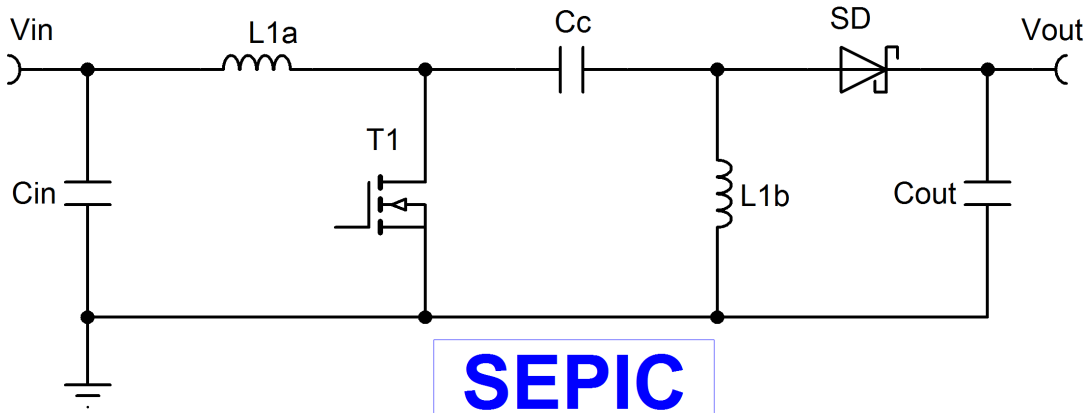


BOOST

+

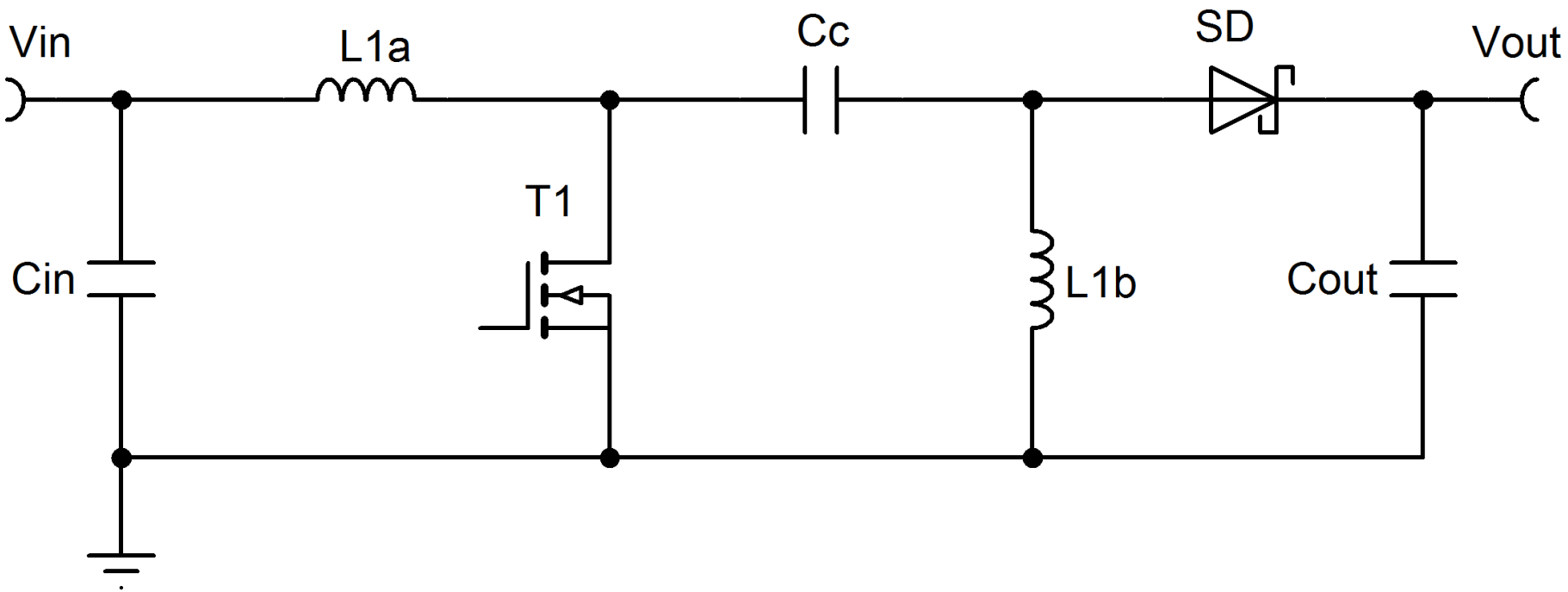


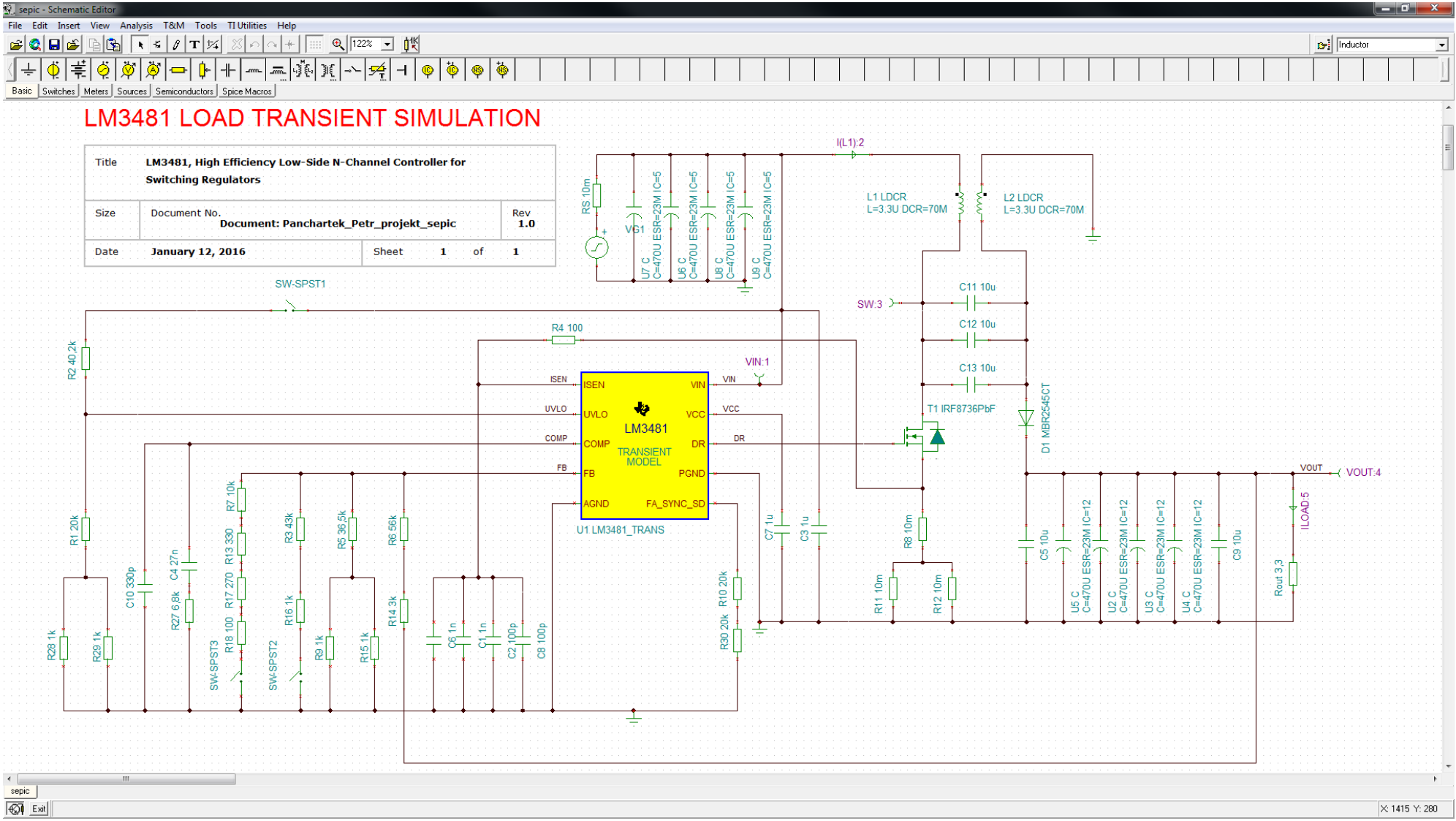
BUCK-BOOST



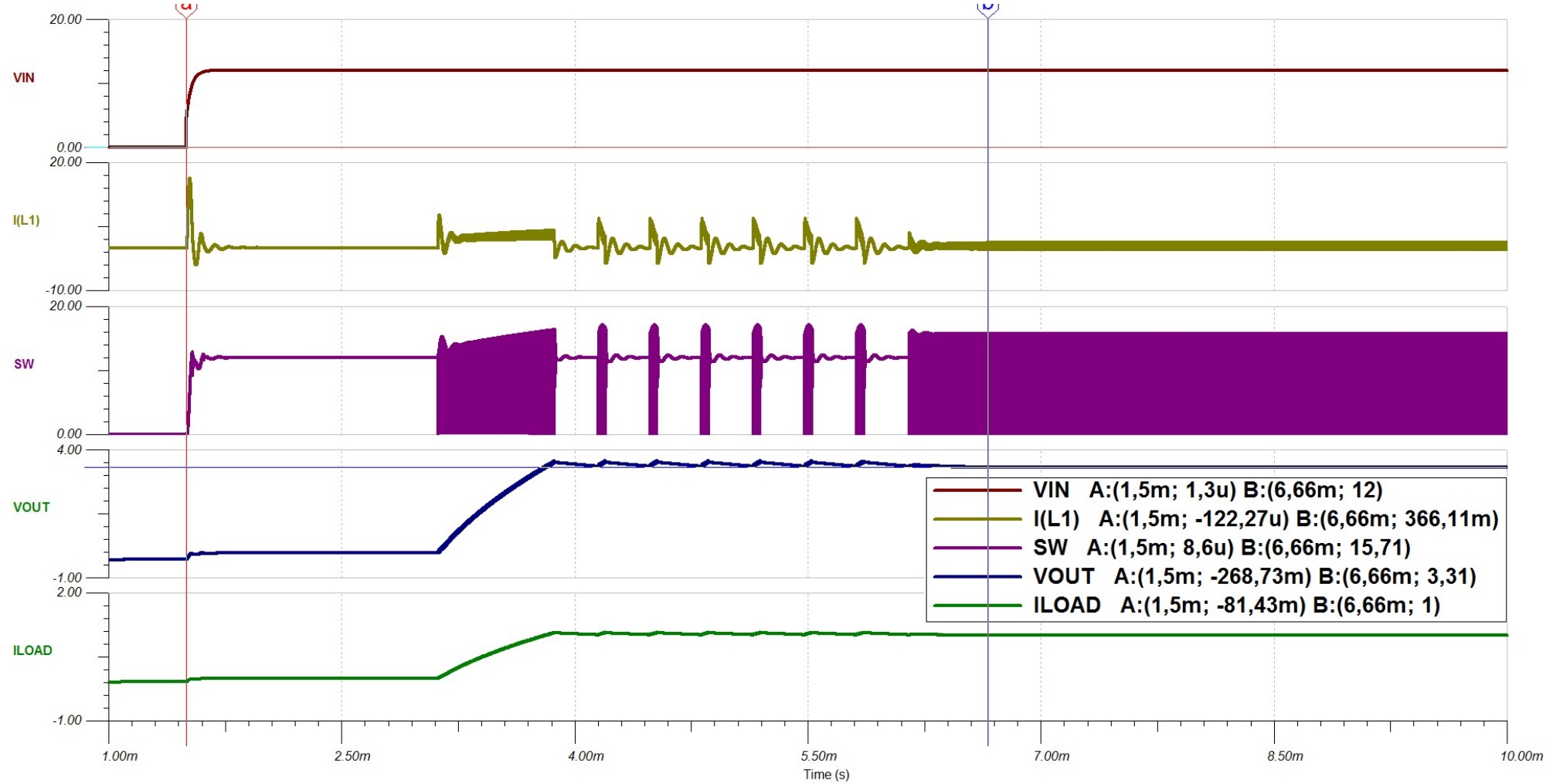
SEPIC

Spínaný zdroj SEPIC

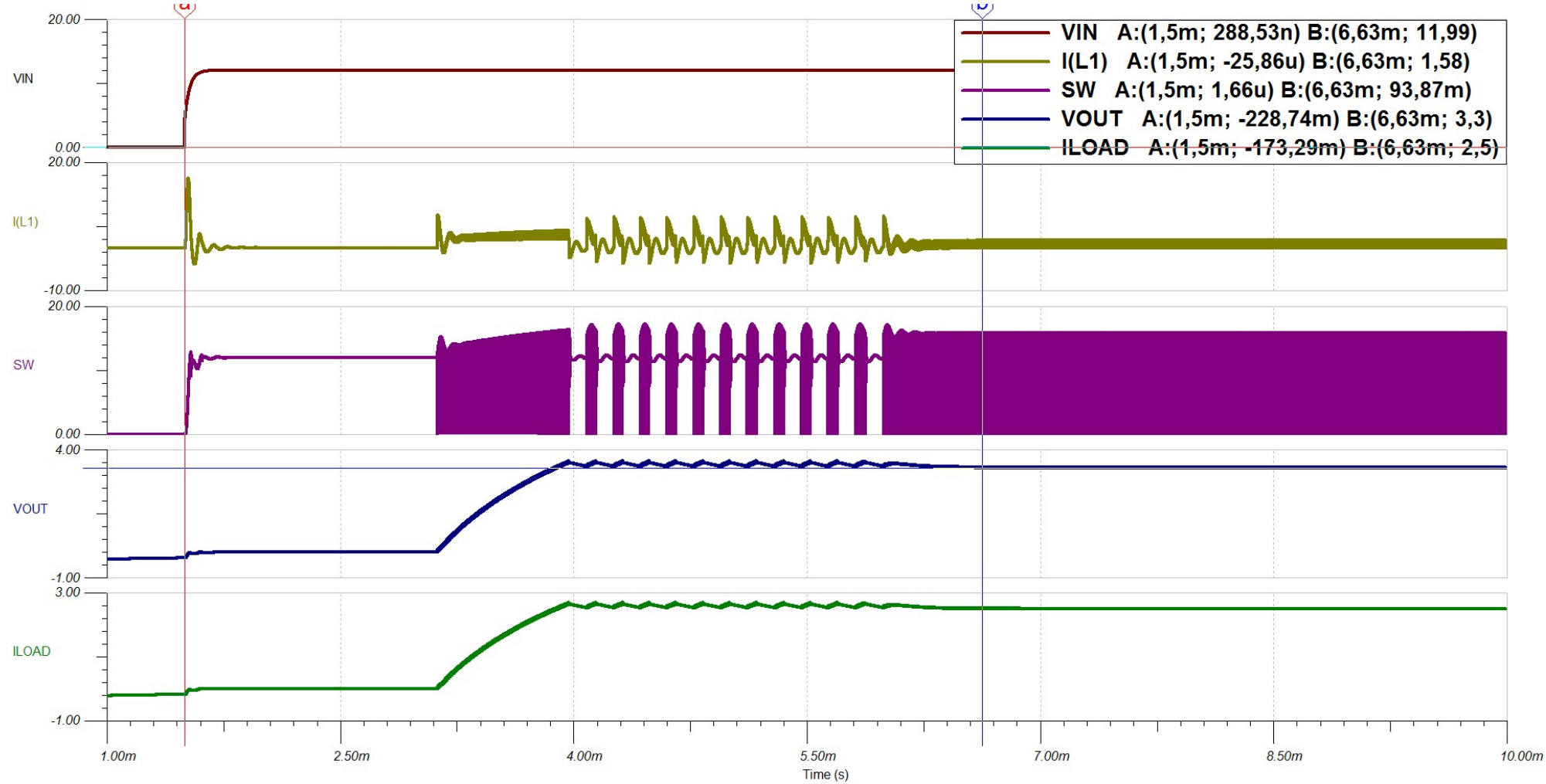




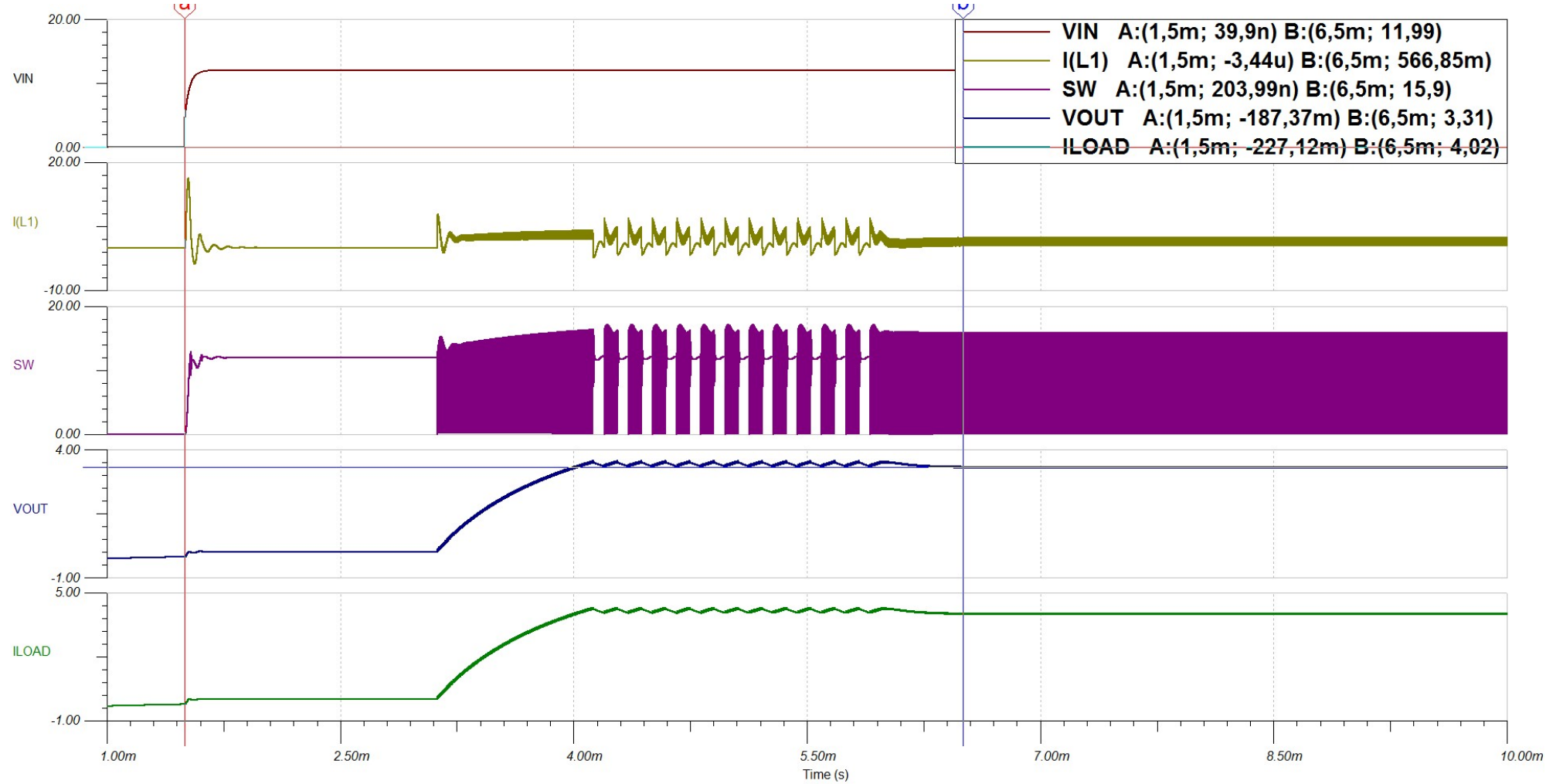
Obrázek : Simulace obvodu v simulátoru TINA



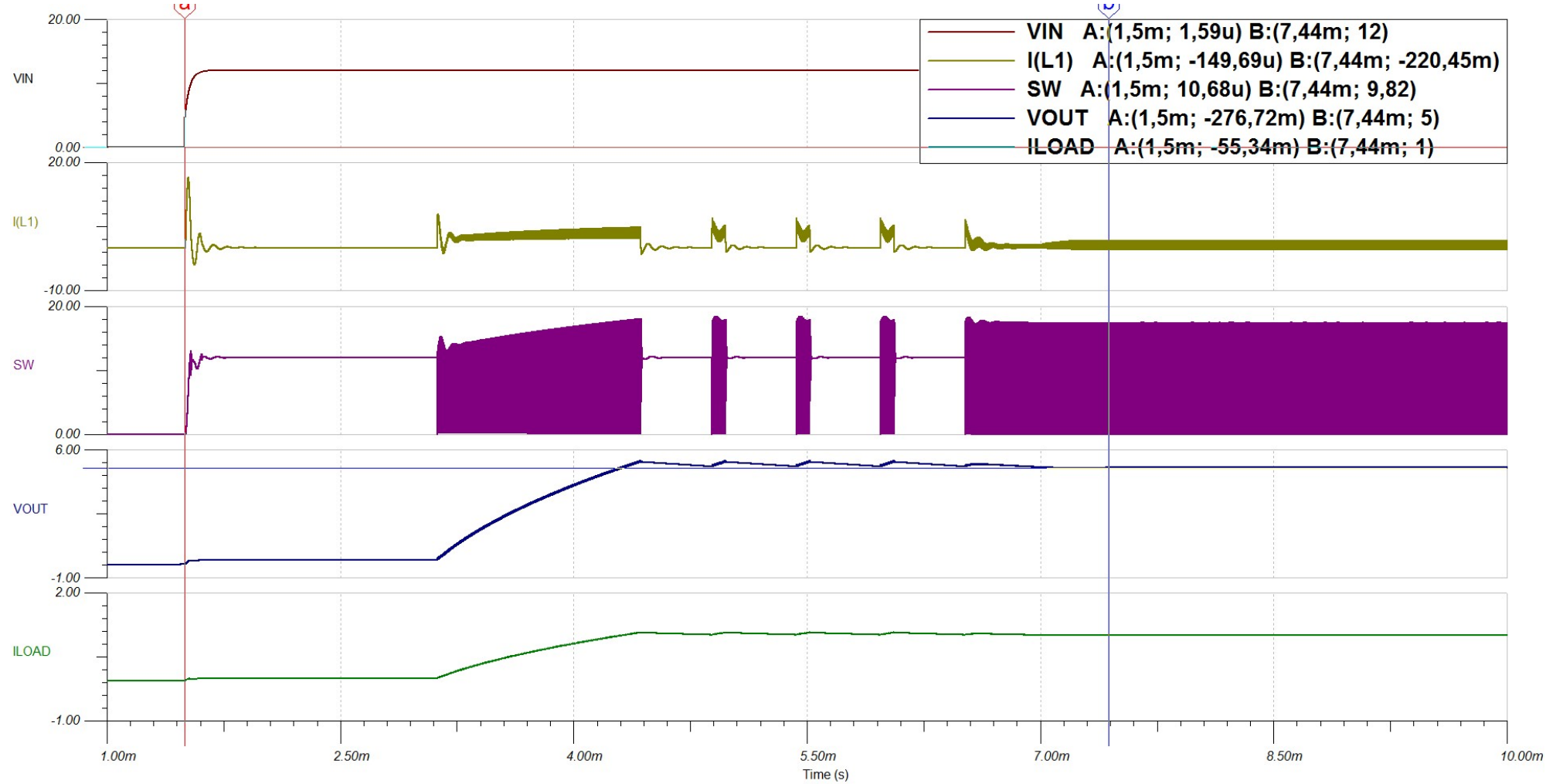
Obrázek : Startup at Vout = 3.3V, Vin = 12V and Iload = 1A



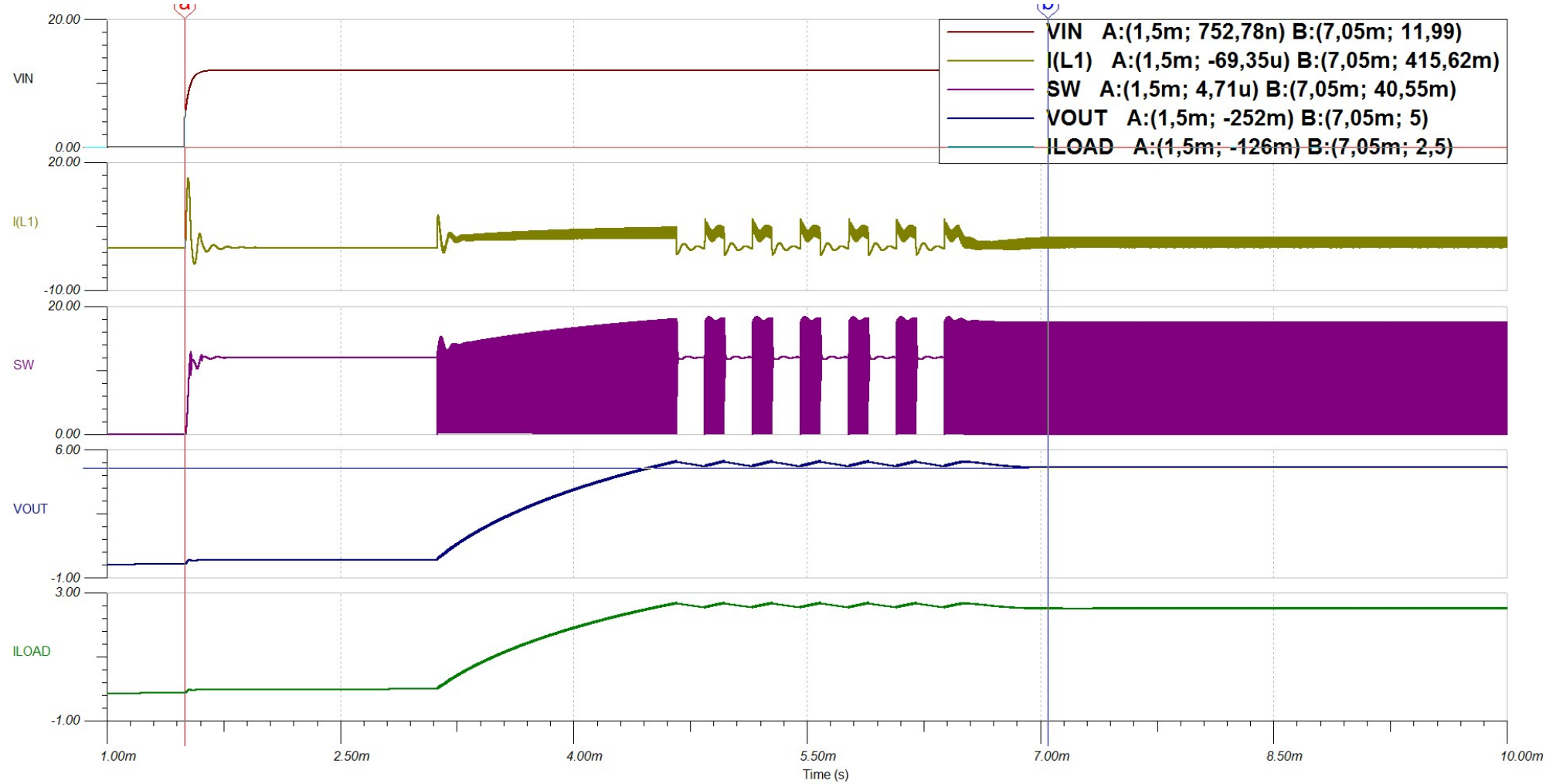
Obrázek : Startup at Vout = 3.3V, Vin = 12V and Iload = 2,5A



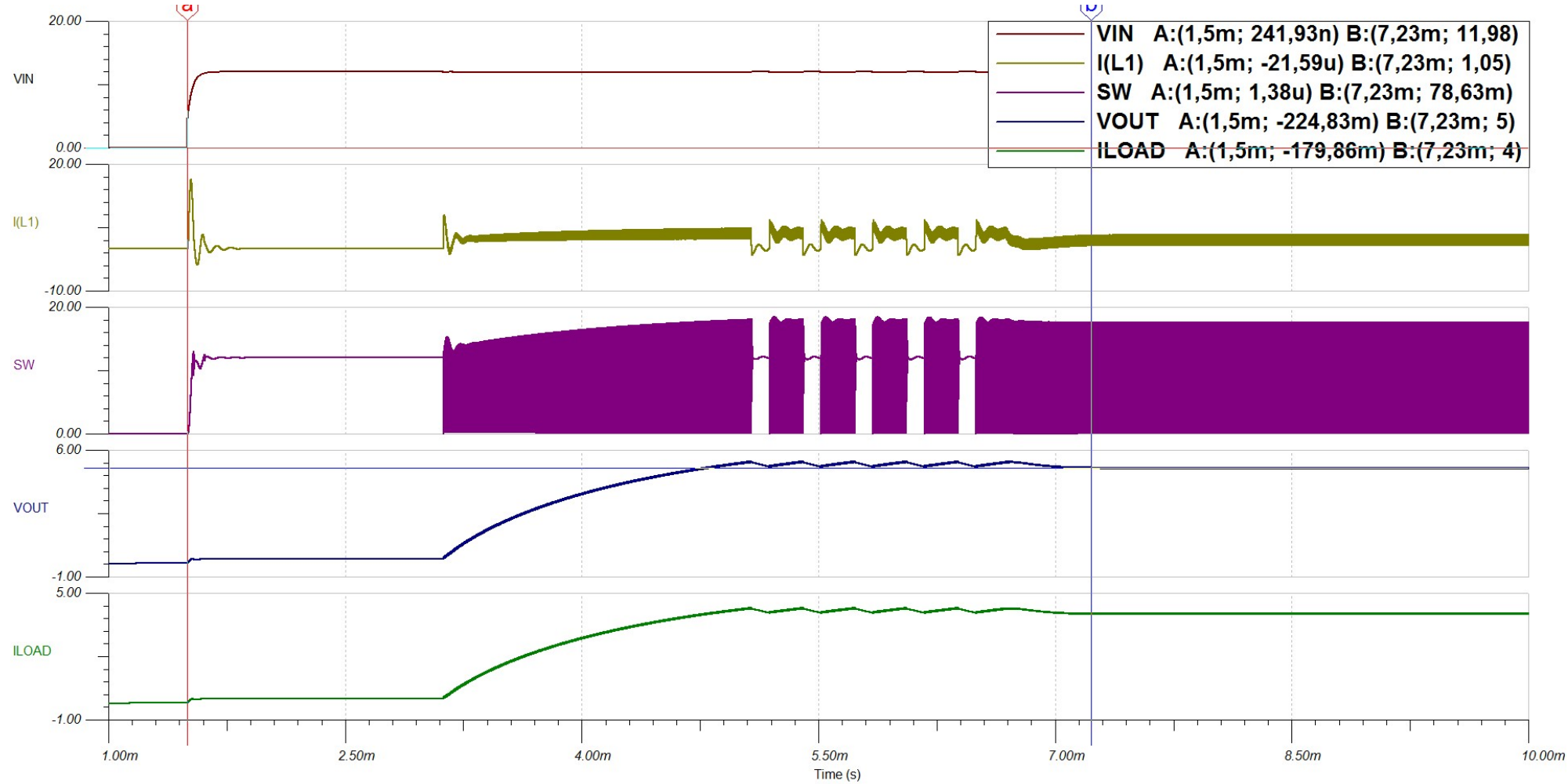
Obrázek : Startup at Vout = 3.3V, Vin = 12V and Iload = 4A



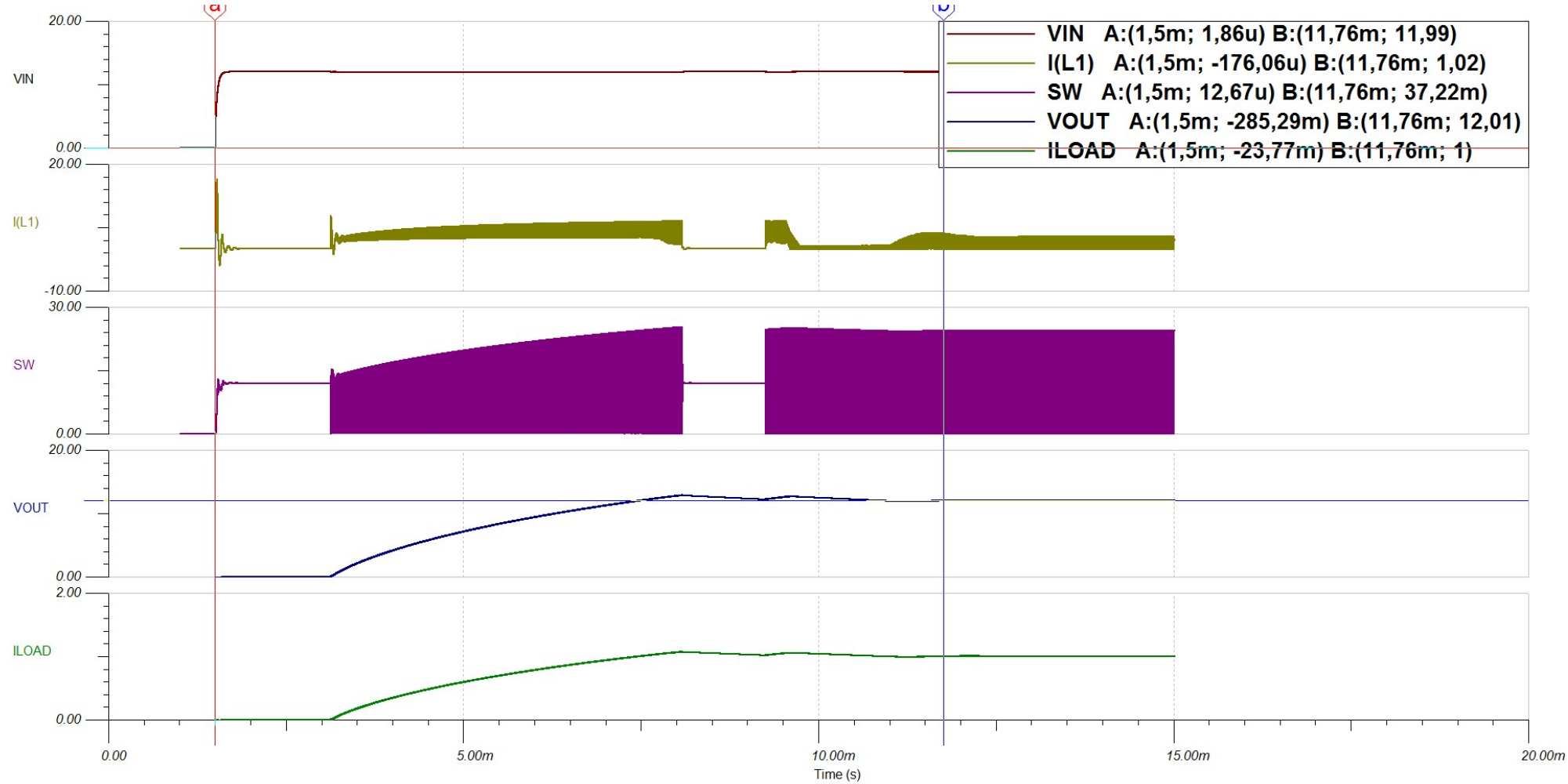
Obrázek : Startup at Vout = 5V, Vin = 12V and Iload = 1A



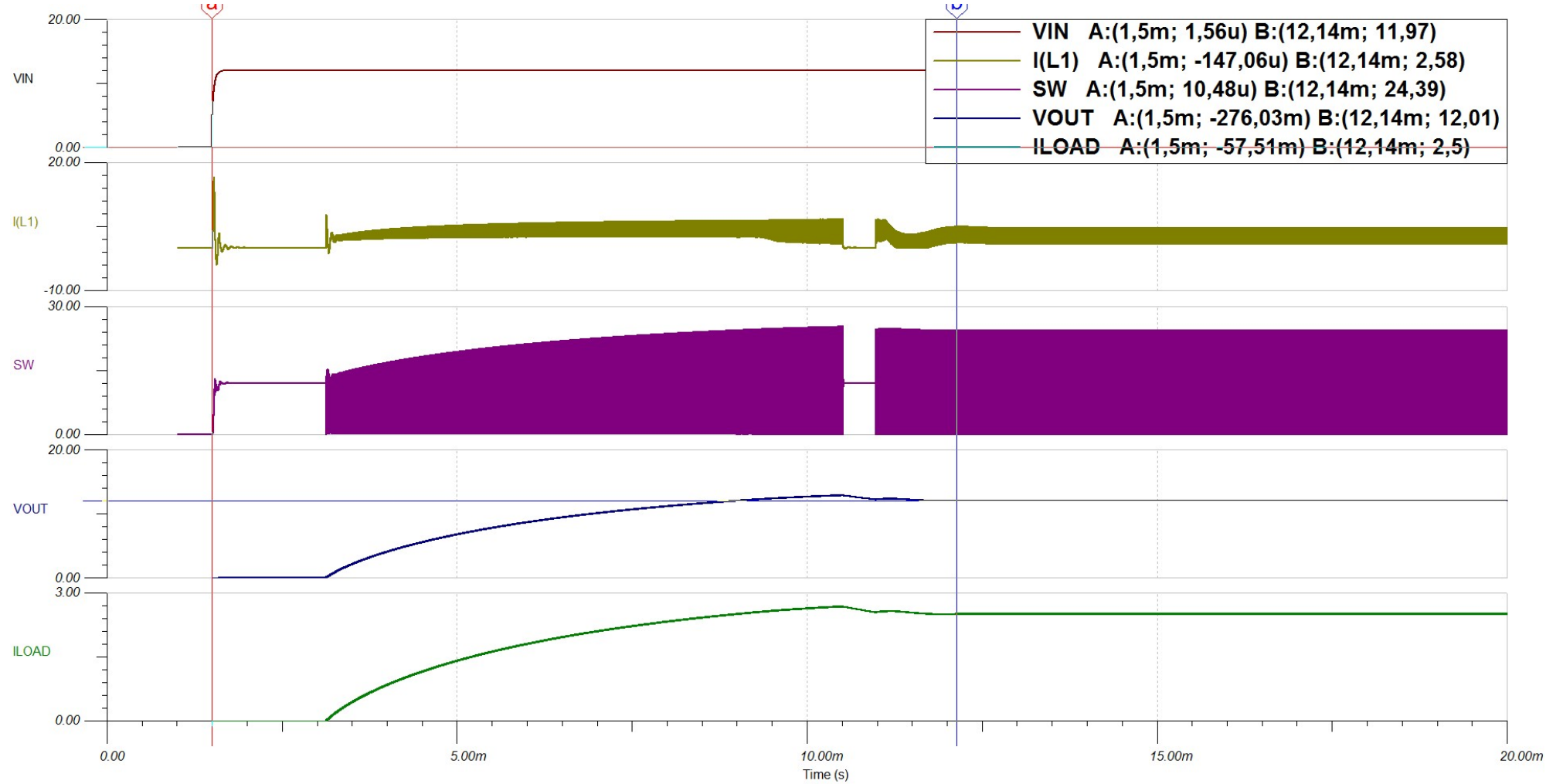
Obrázek : Startup at Vout = 5V, Vin = 12V and Iload = 2.5A



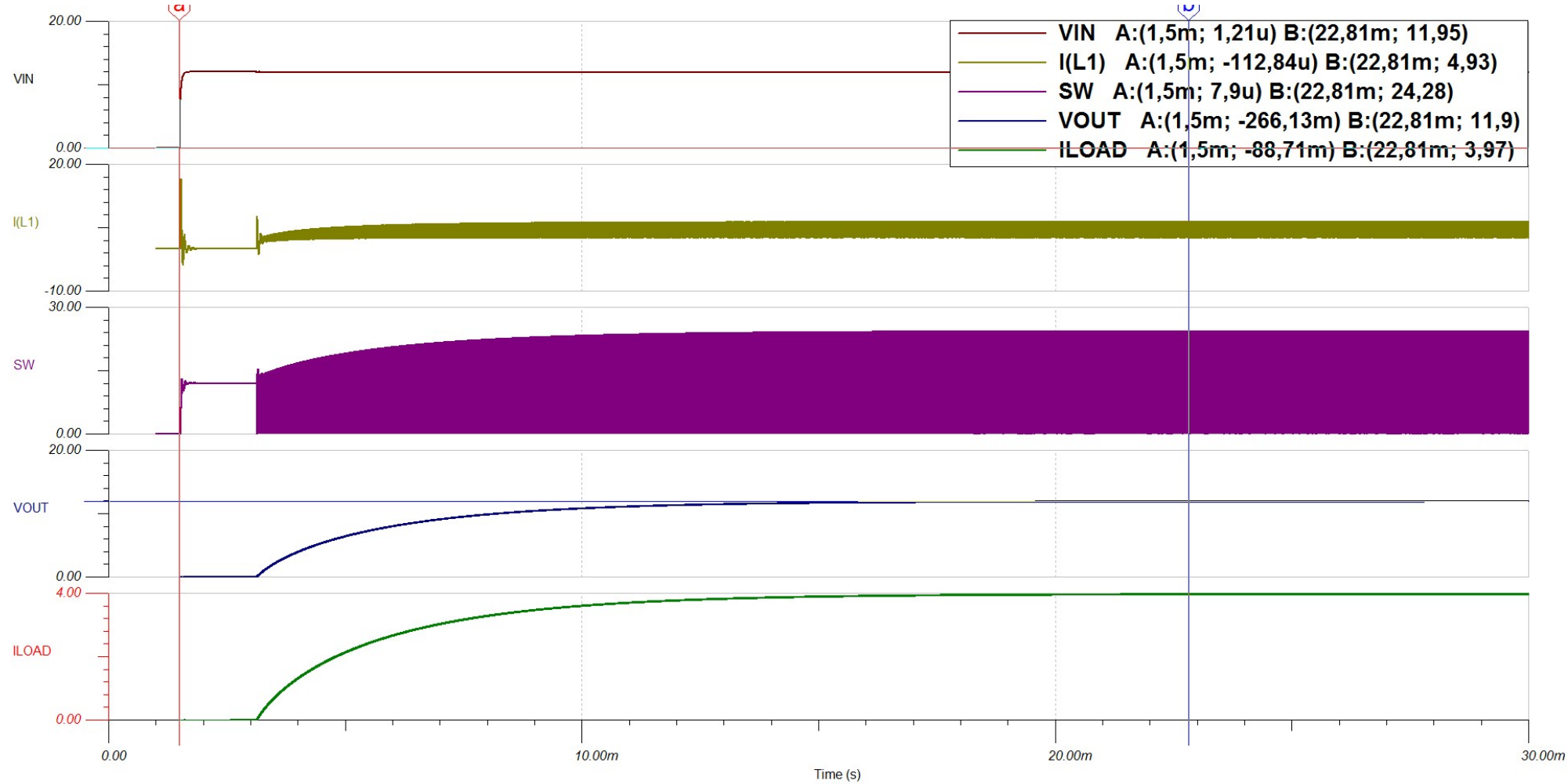
Obrázek : Startup at Vout = 5V, Vin = 12V and Iload = 4A



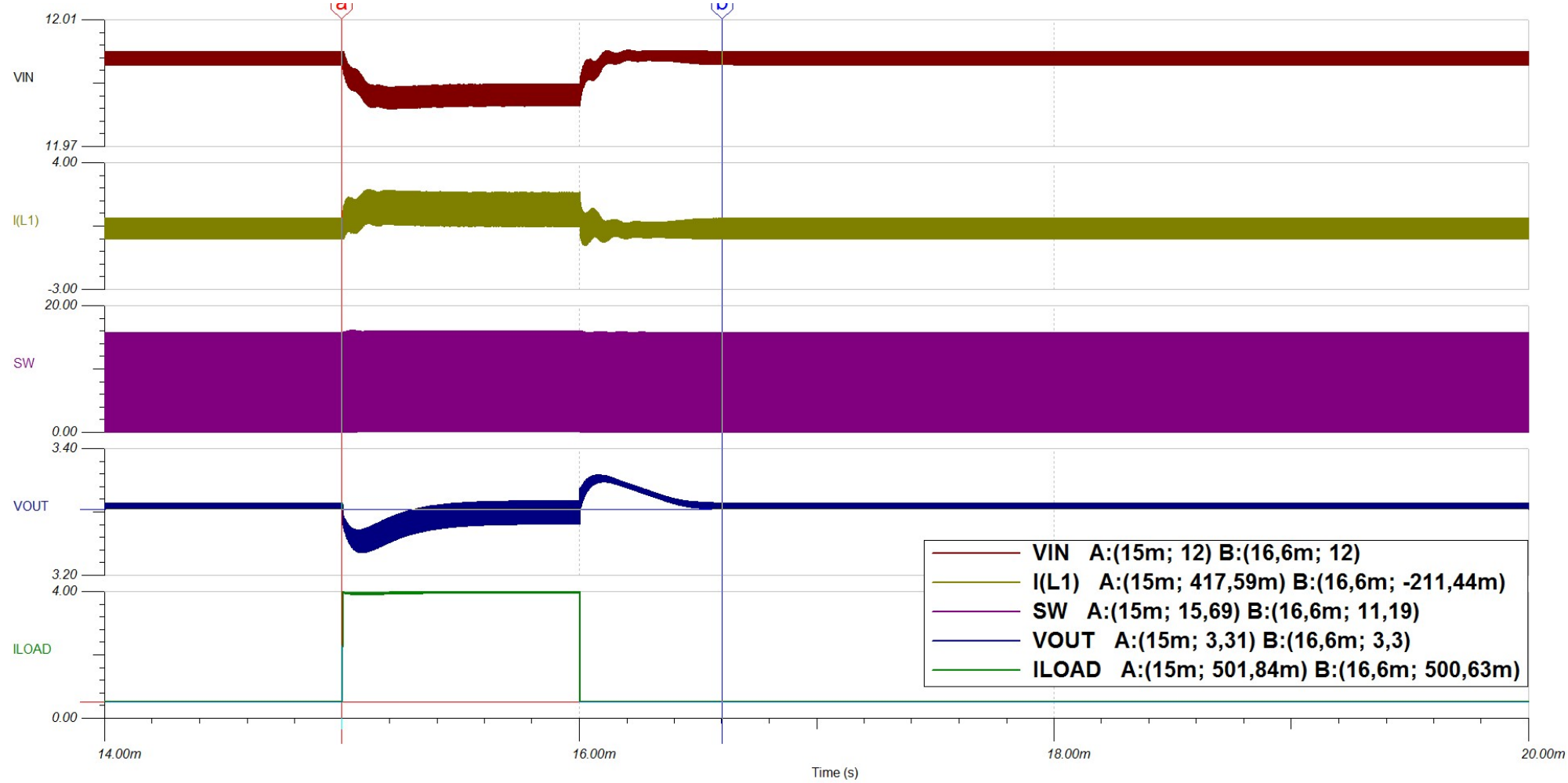
Obrázek : Startup at Vout = 12V, Vin = 12V and Iload = 1A



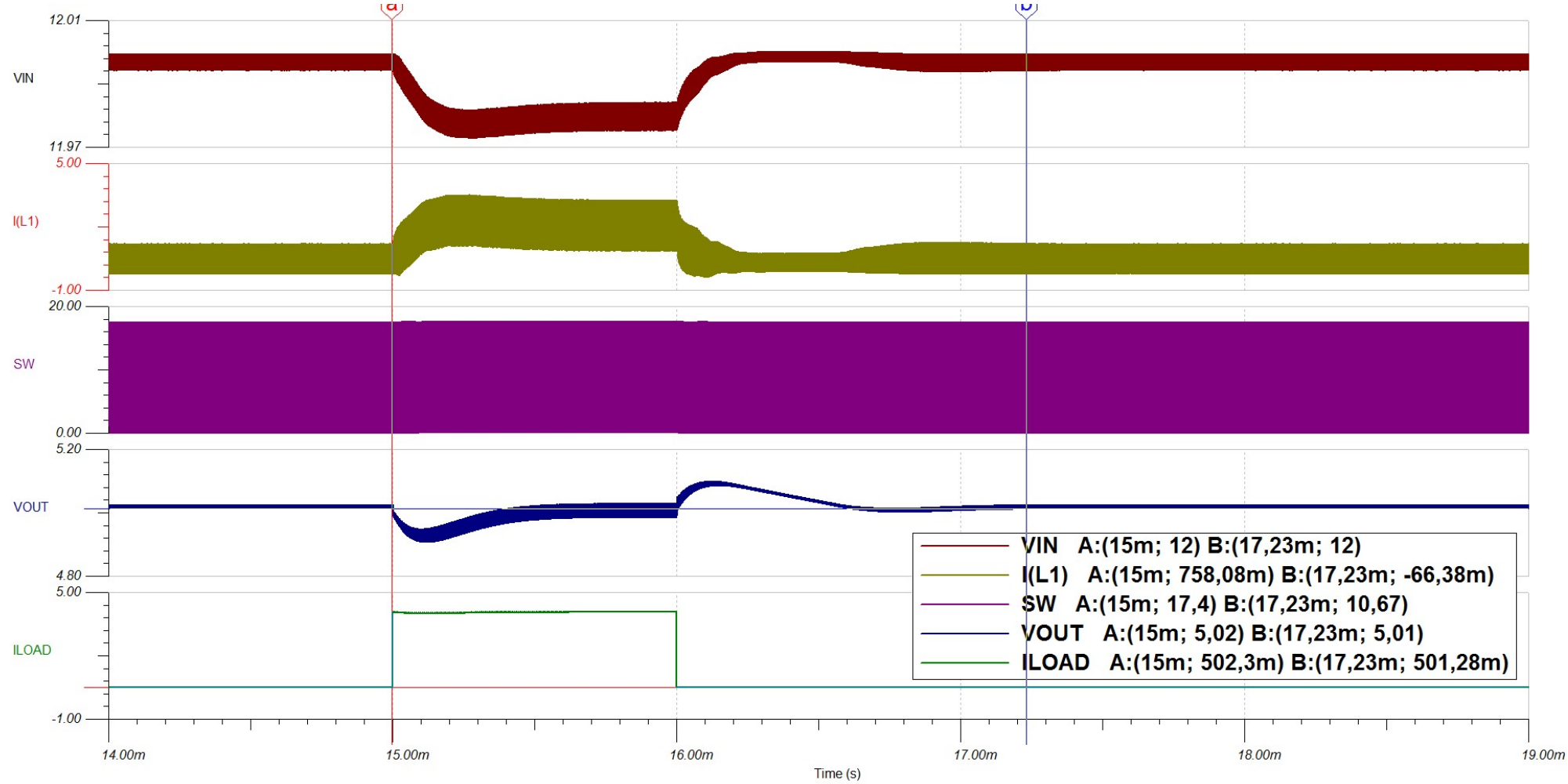
Obrázek : Startup at Vout = 12V, Vin = 12V and Iload = 2.5A



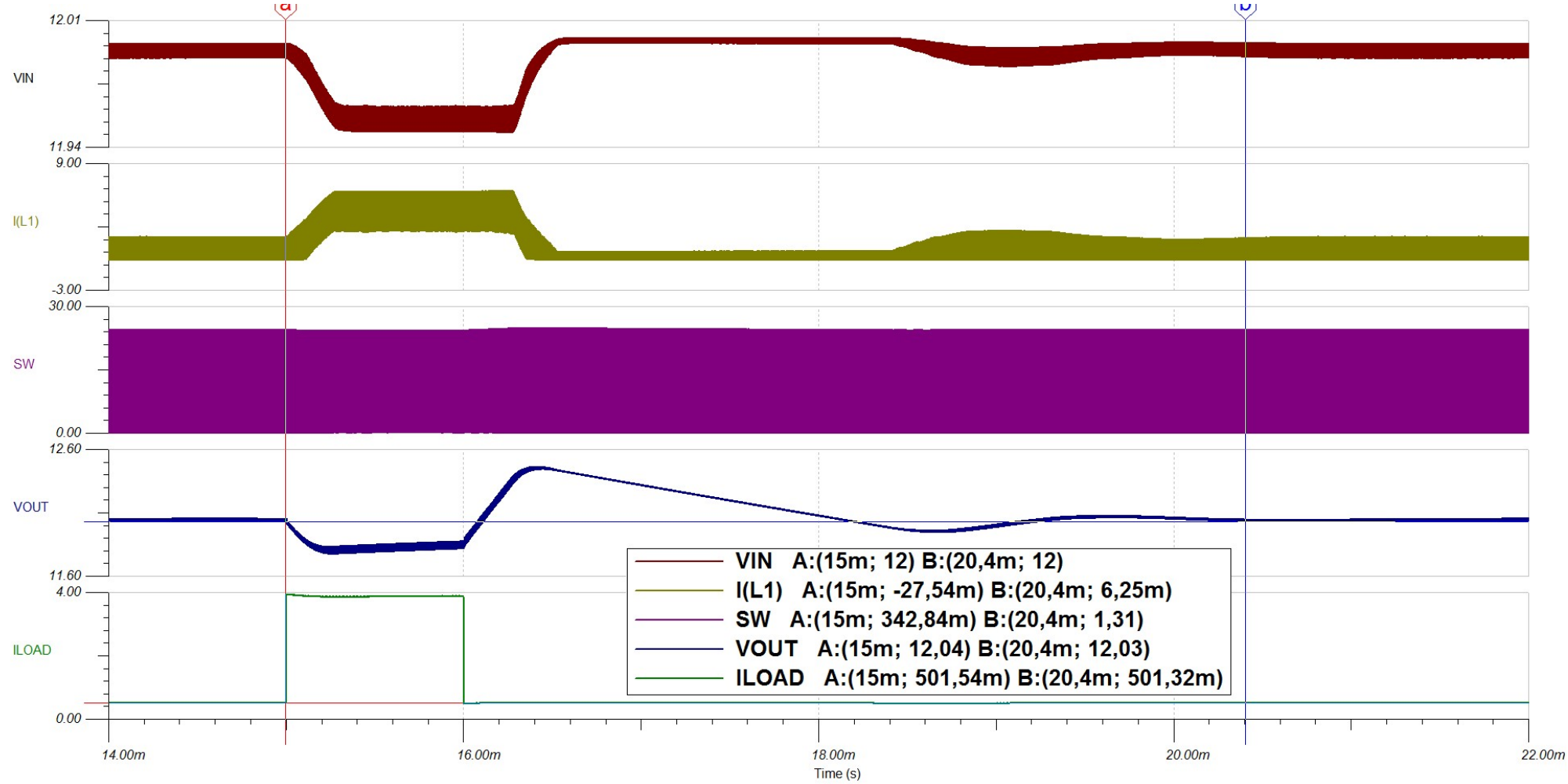
Obrázek : Startup at Vout = 12V, Vin = 12V and Iload = 4A



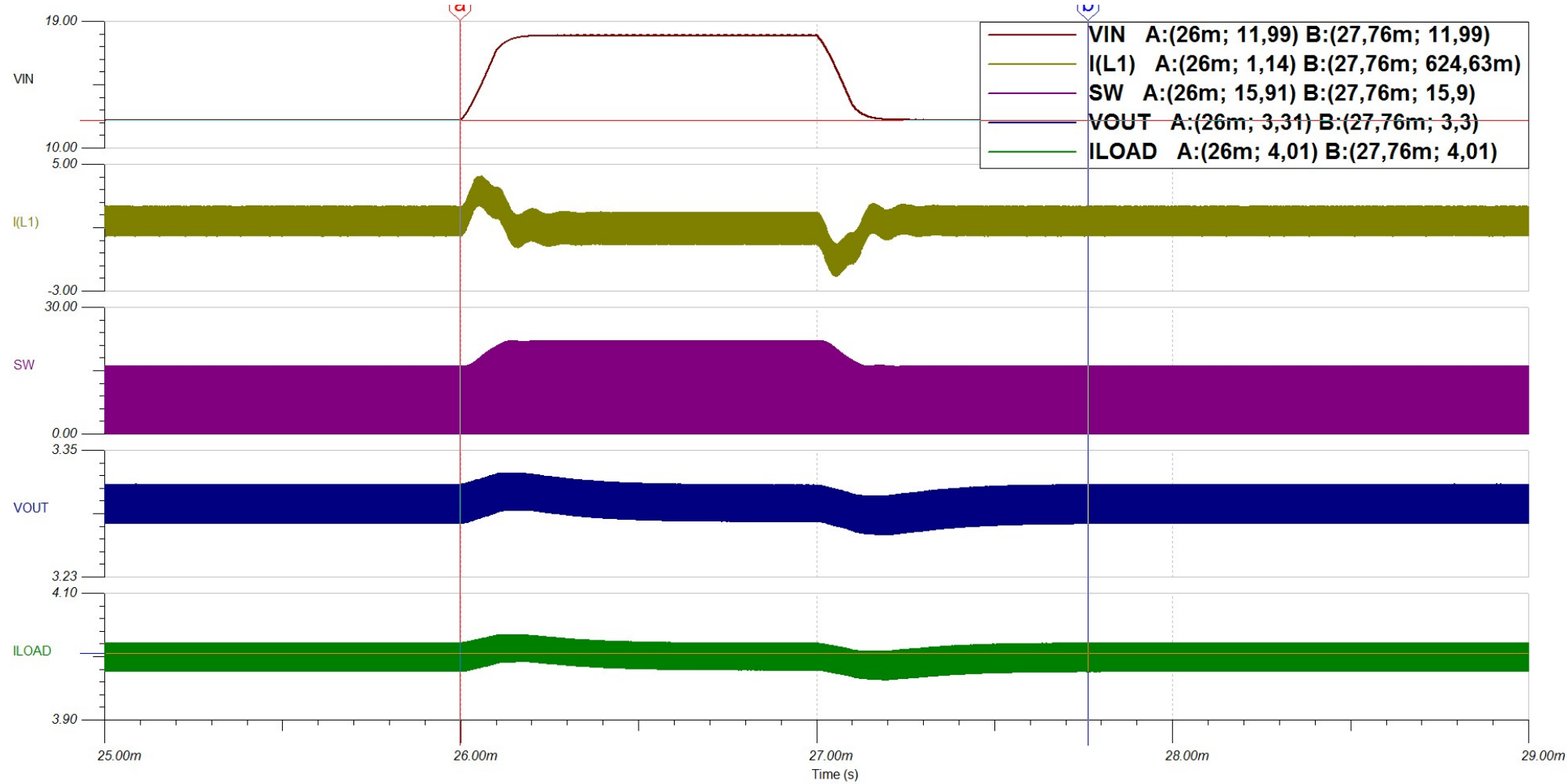
Obrázek : Load Transient at Vout = 3.3V, Vin = 12V



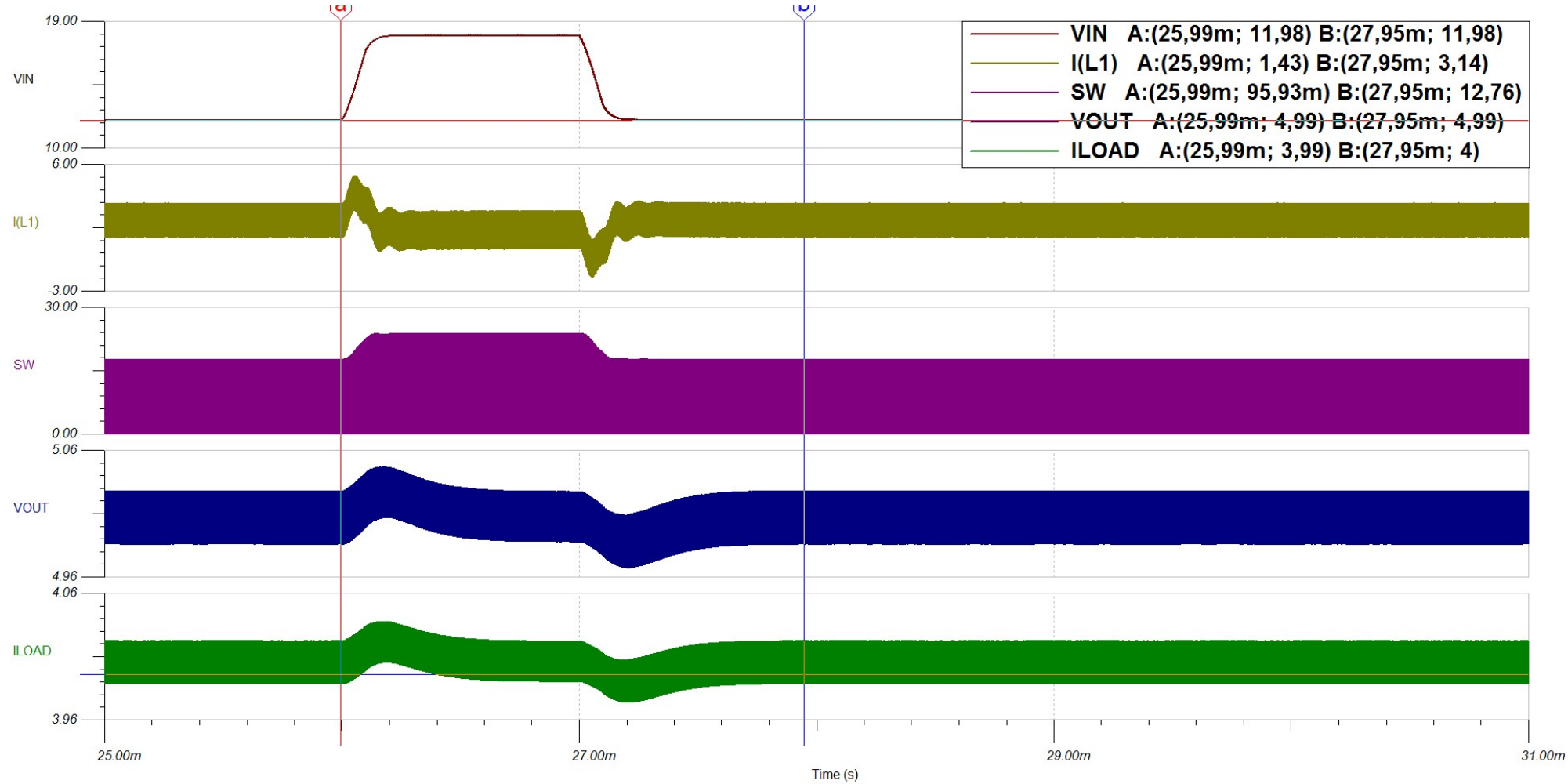
Obrázek : Load Transient at Vout = 5V, Vin = 12V



Obrázek : Load Transient at Vout = 12V, Vin = 12V

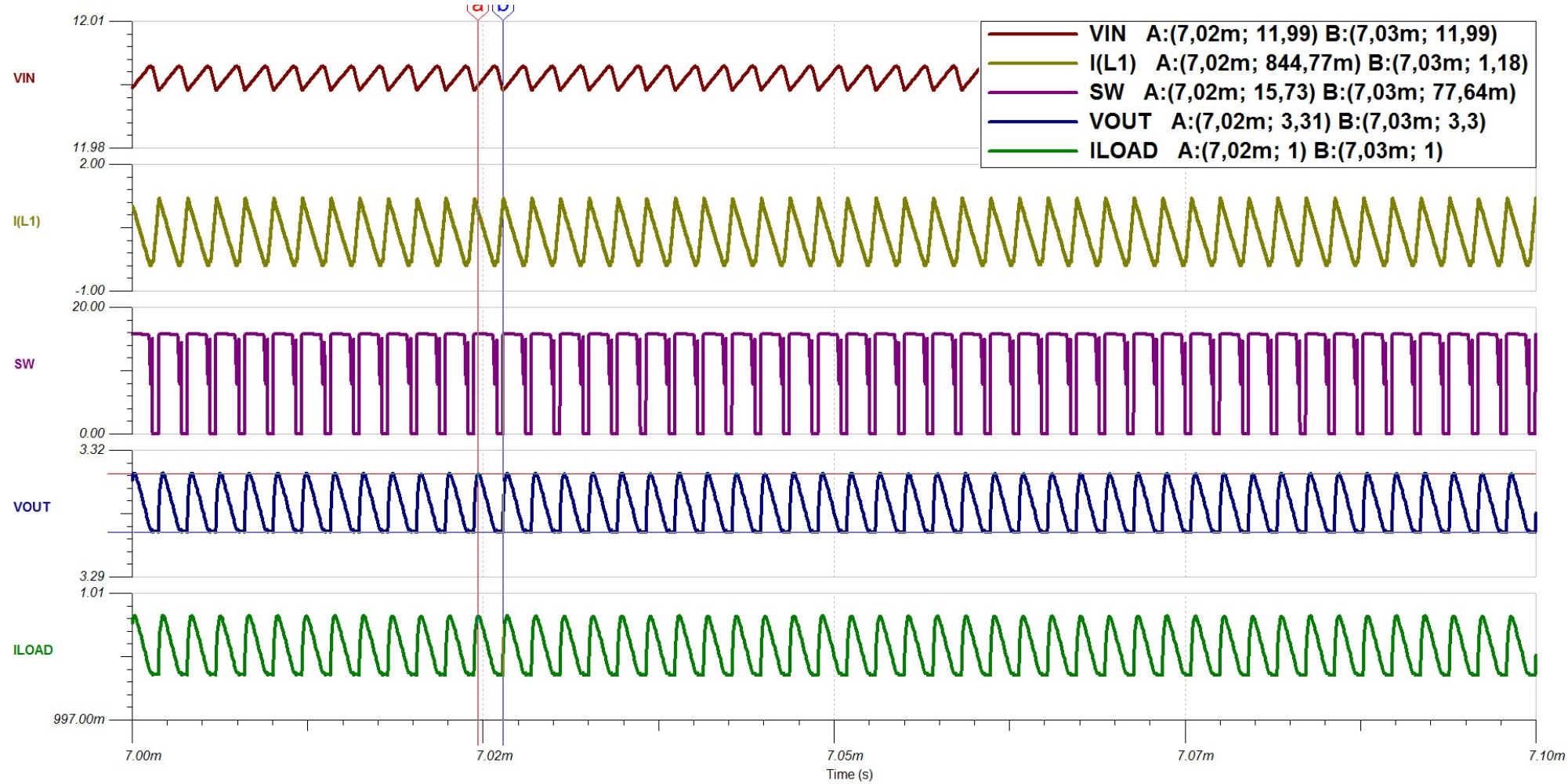


Obrázek : Input Transient at Vout = 3.3V and Iload = 4A

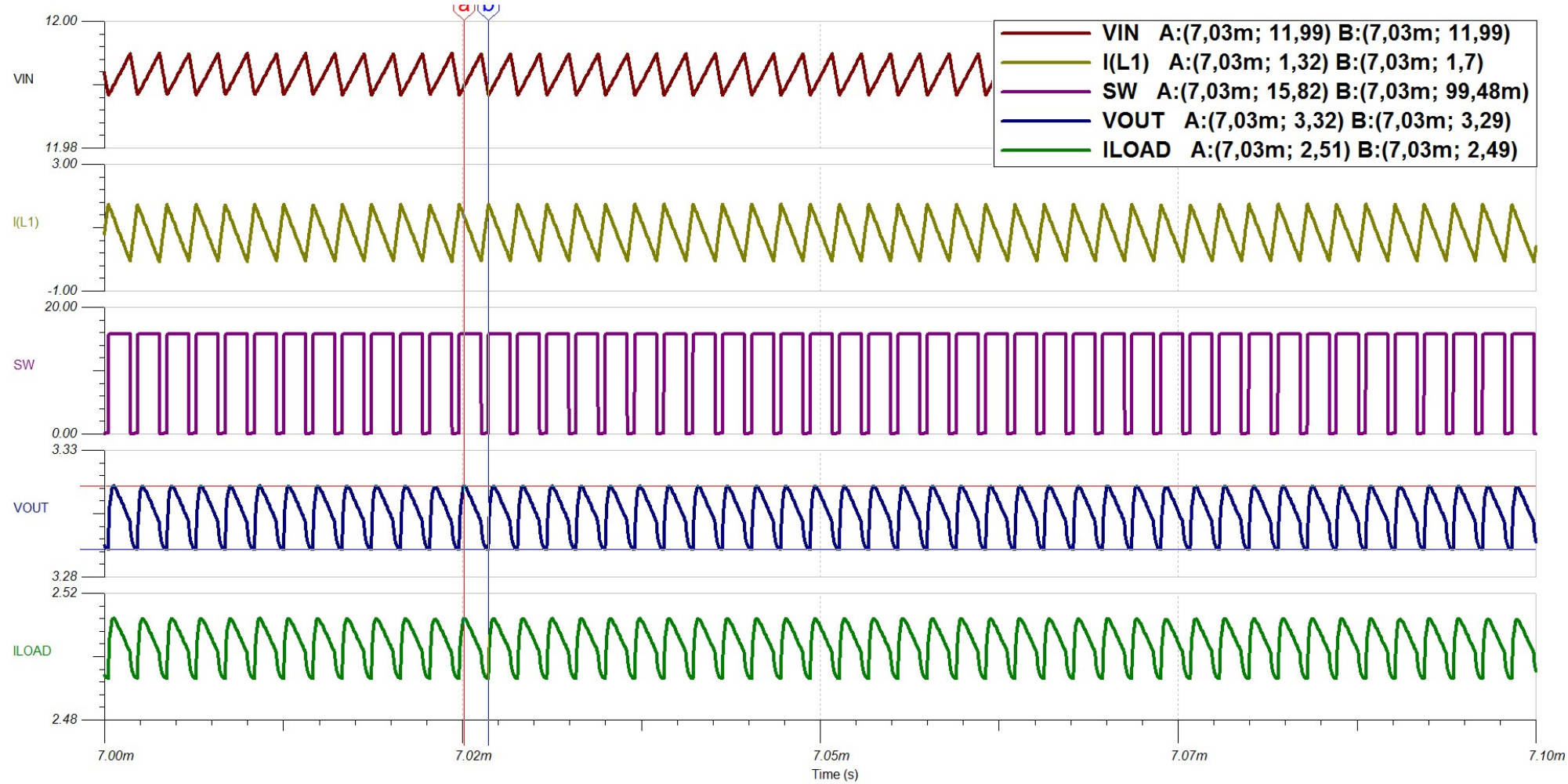


Obrázek : Input Transient at Vout = 5V and Iload = 4A

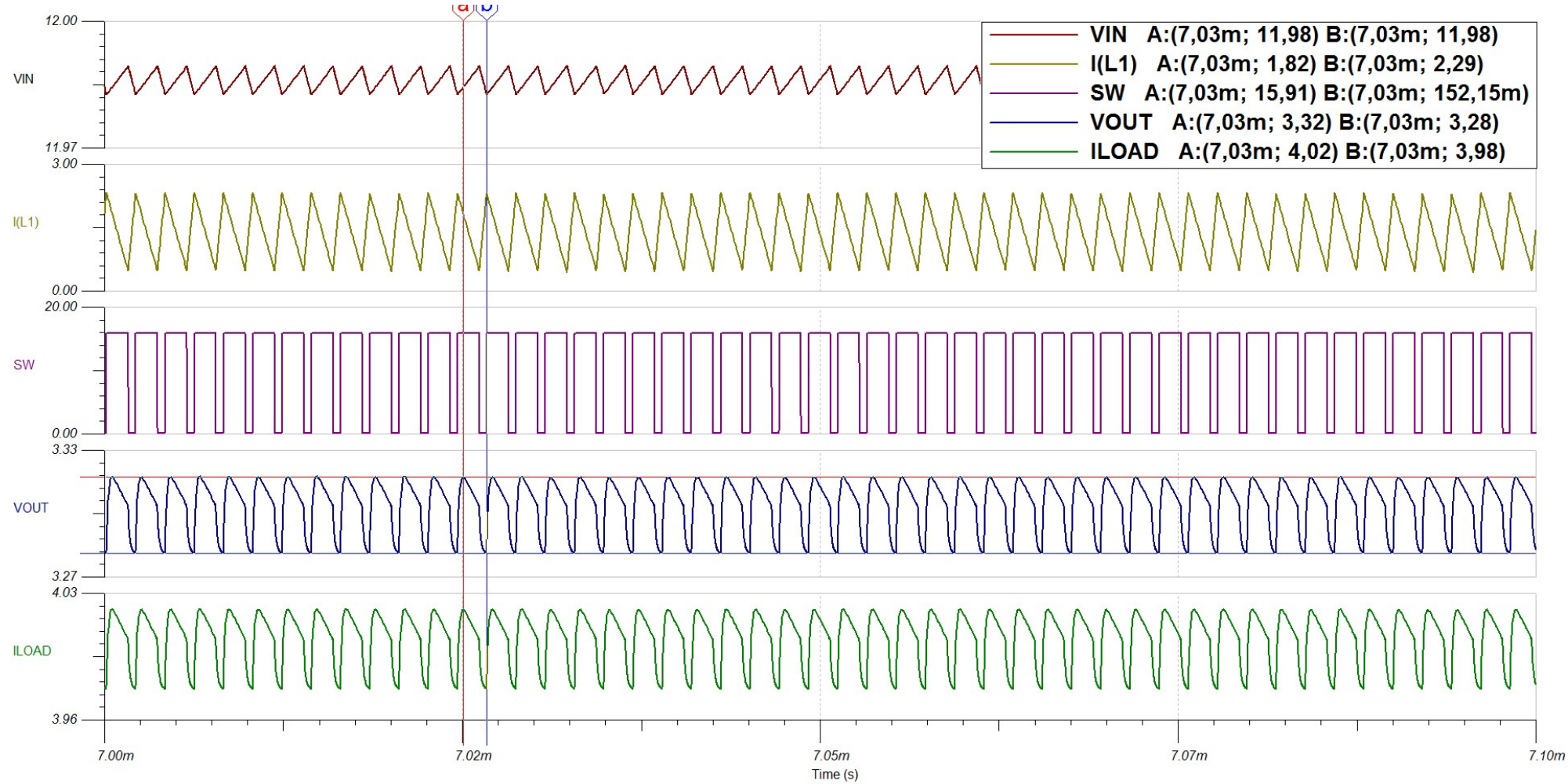
Obrázek : Input Transient at Vout = 12V and Iload = 4A



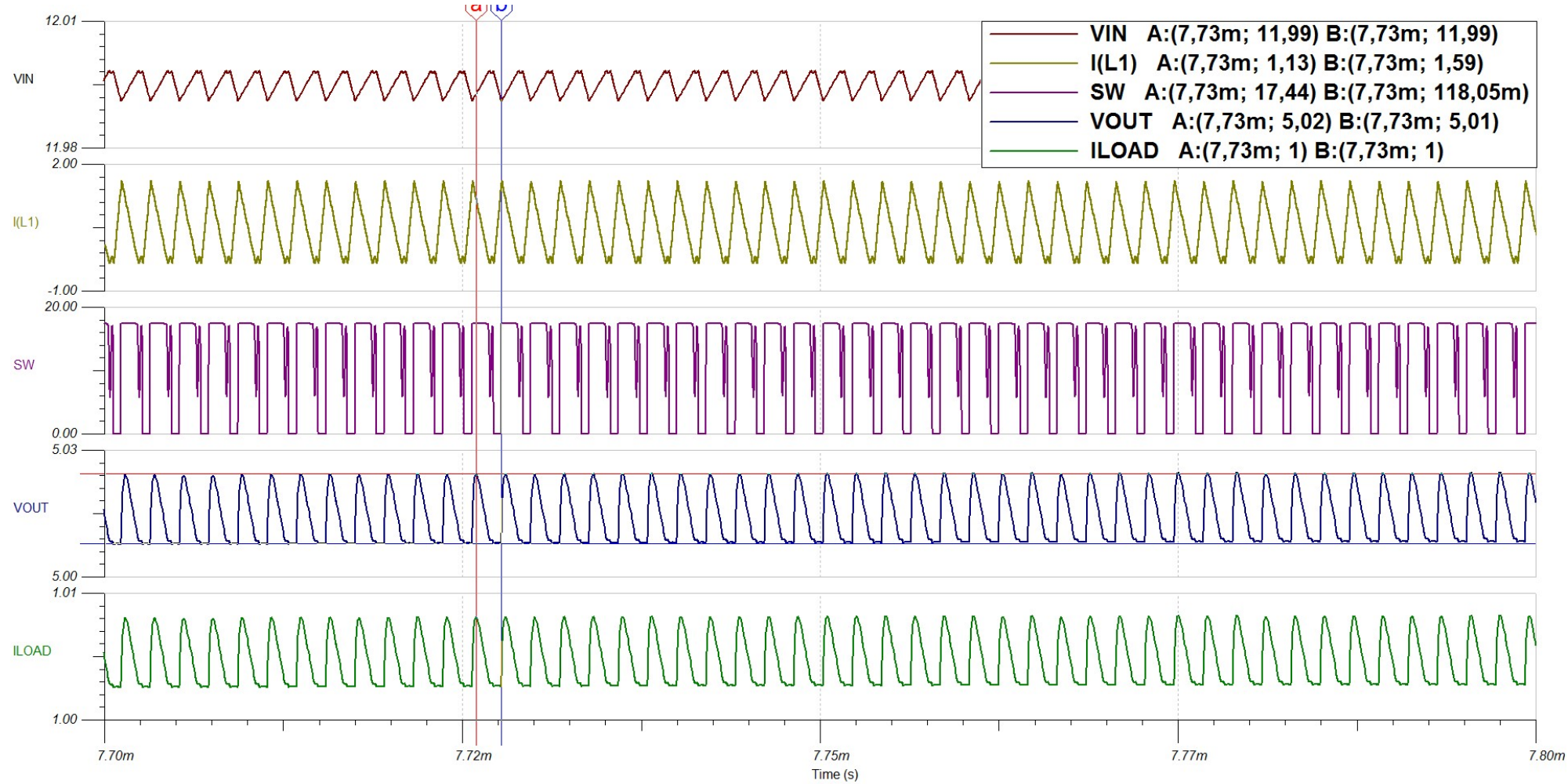
Obrázek : Ripple at Vout = 3.3V, Vin = 12V and Iload = 1A



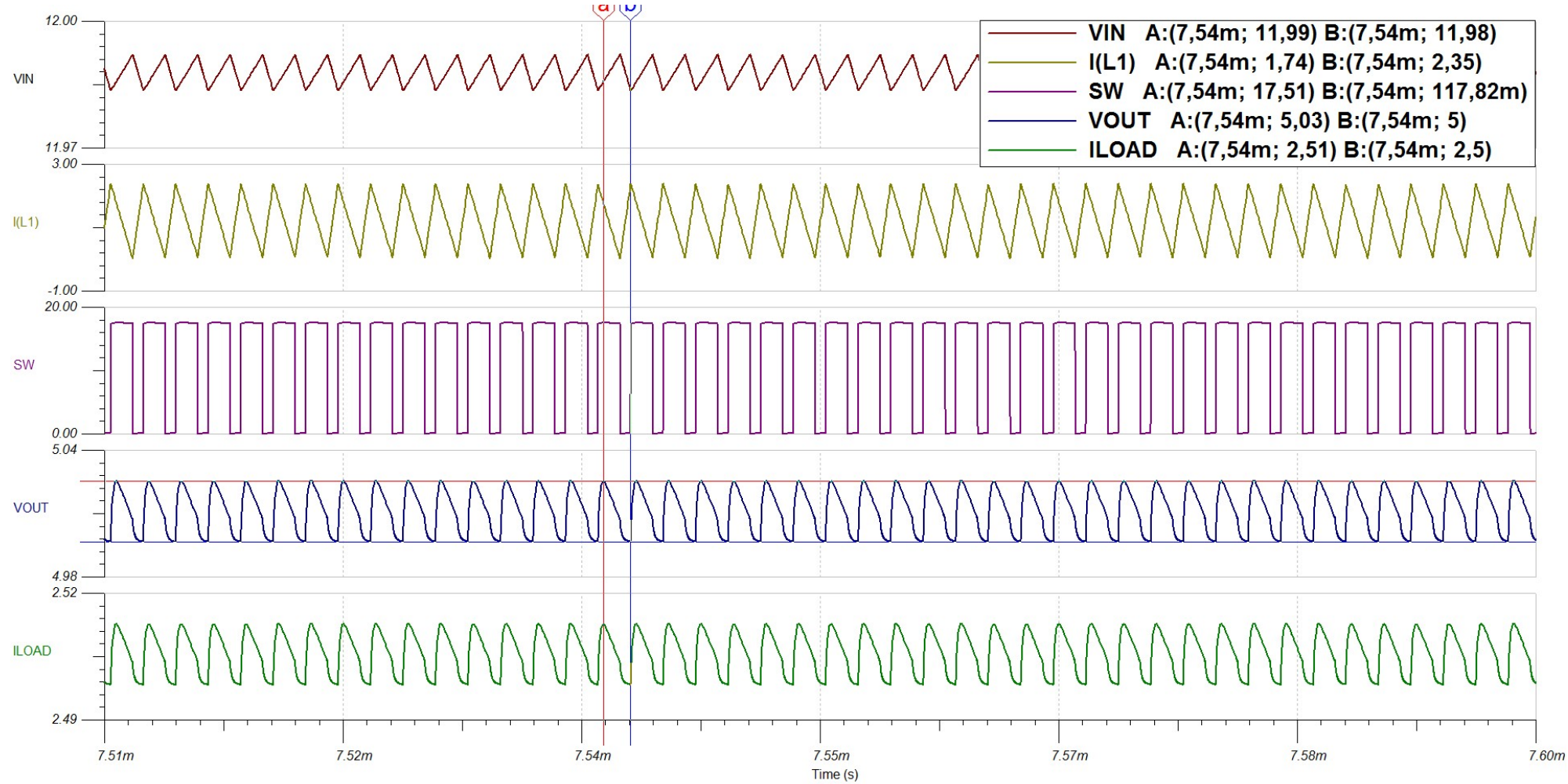
Obrázek : Ripple at Vout = 3.3V, Vin = 12V and Iload = 2,5A



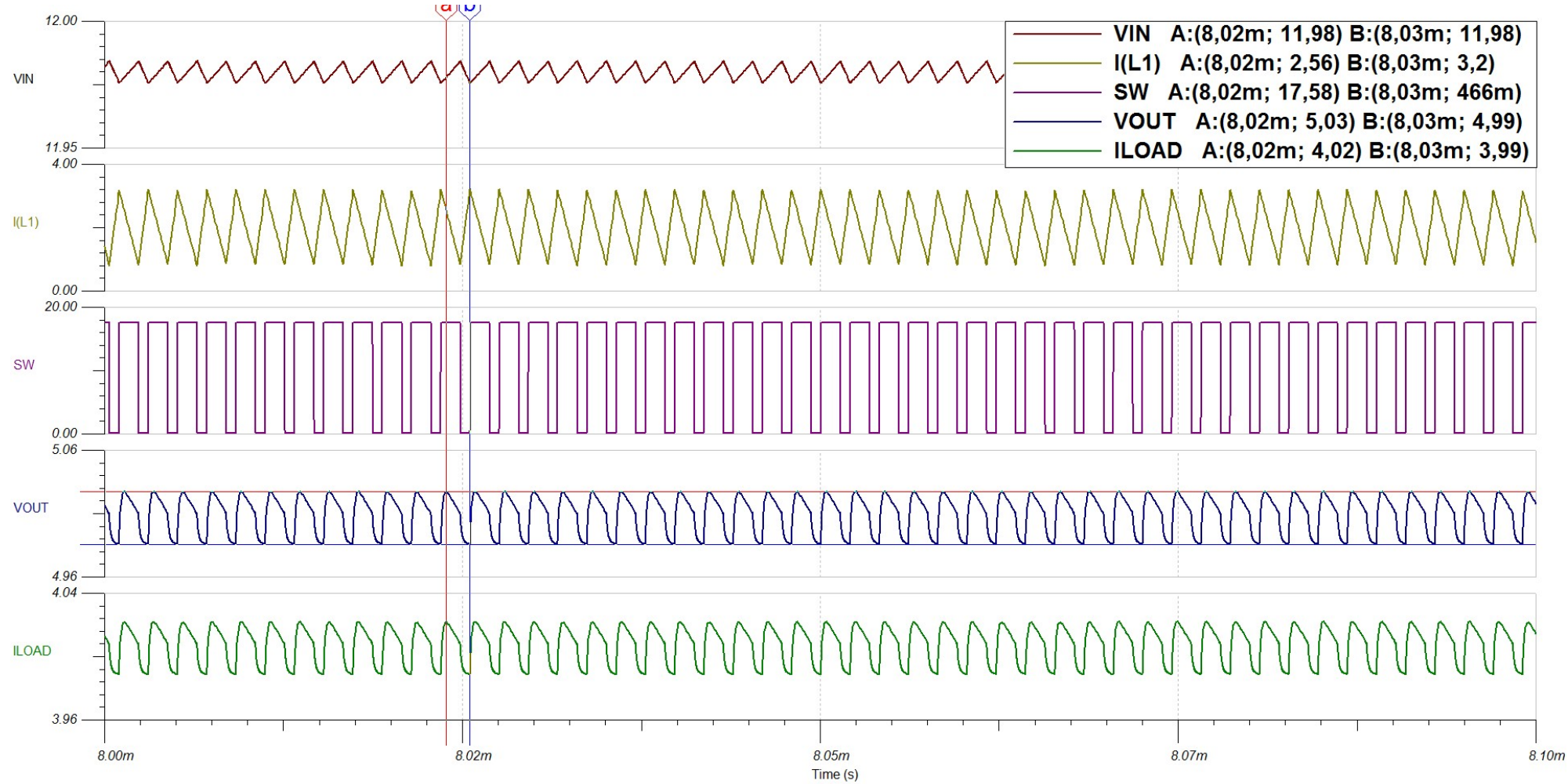
Obrázek : Ripple at Vout = 3.3V, Vin = 12V and Iload = 4A



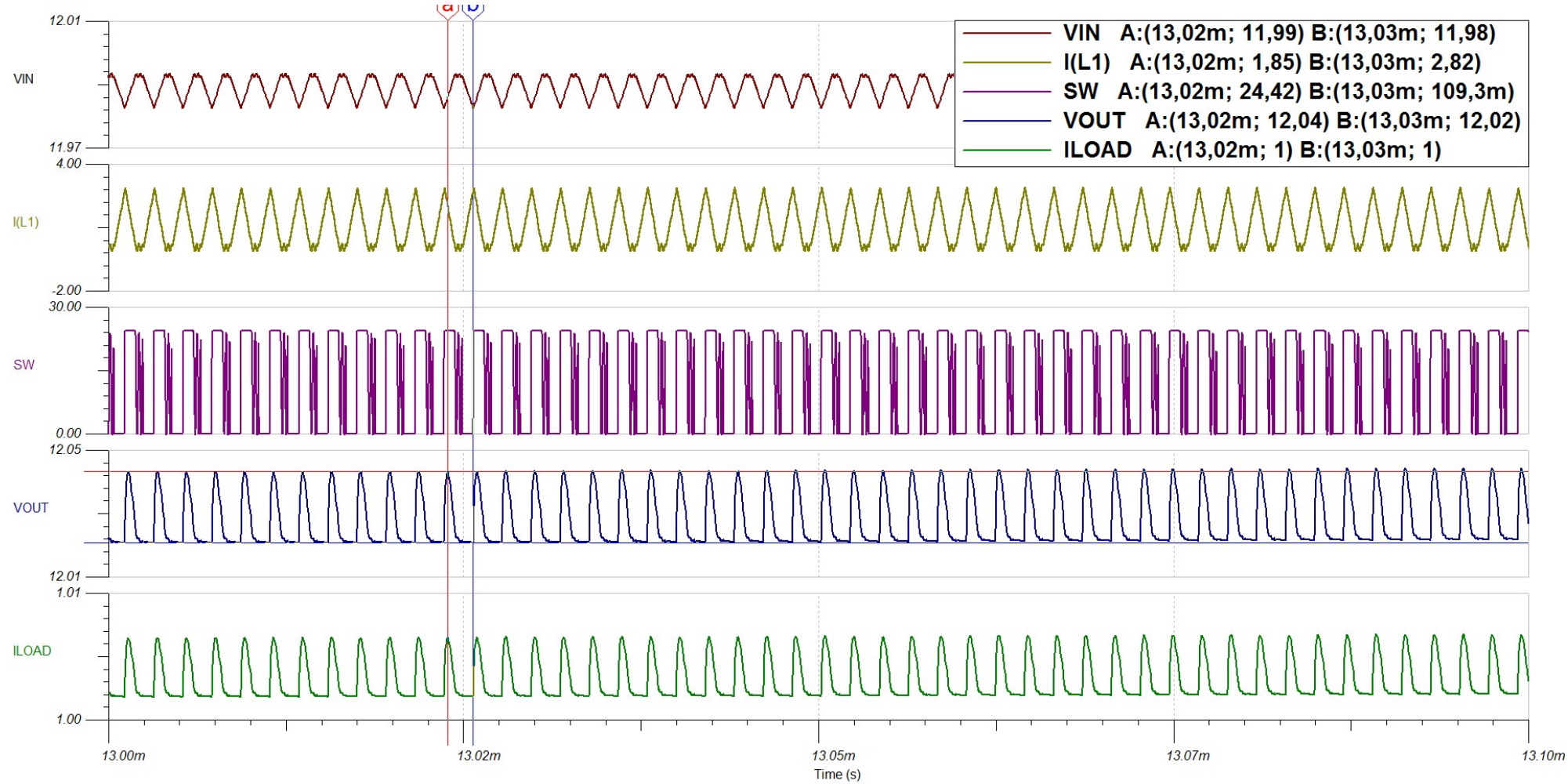
Obrázek : Ripple at Vout = 5V, Vin = 12V and Iload = 1A



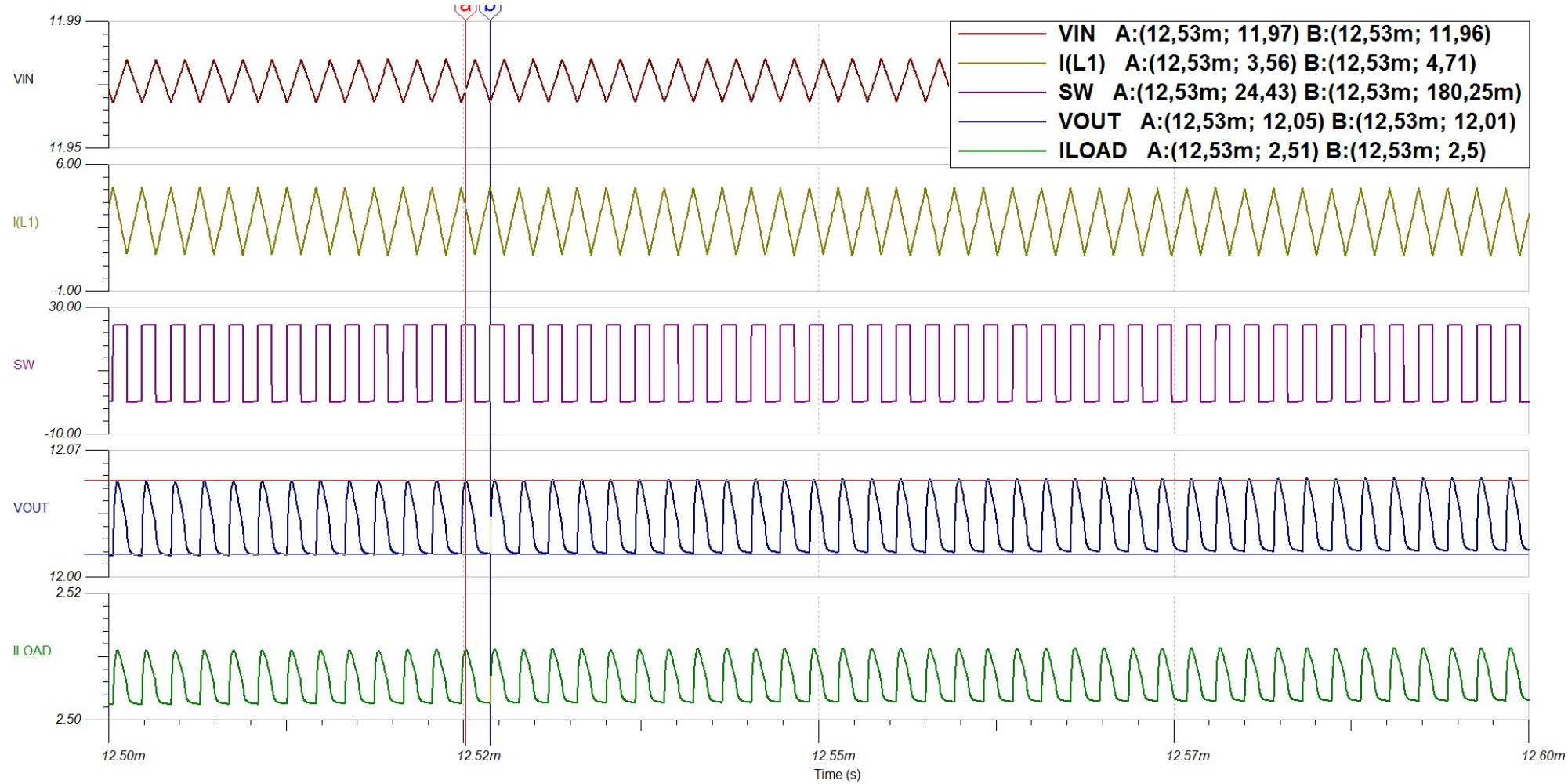
Obrázek : Ripple at Vout = 5V, Vin = 12V and Iload = 2.5A



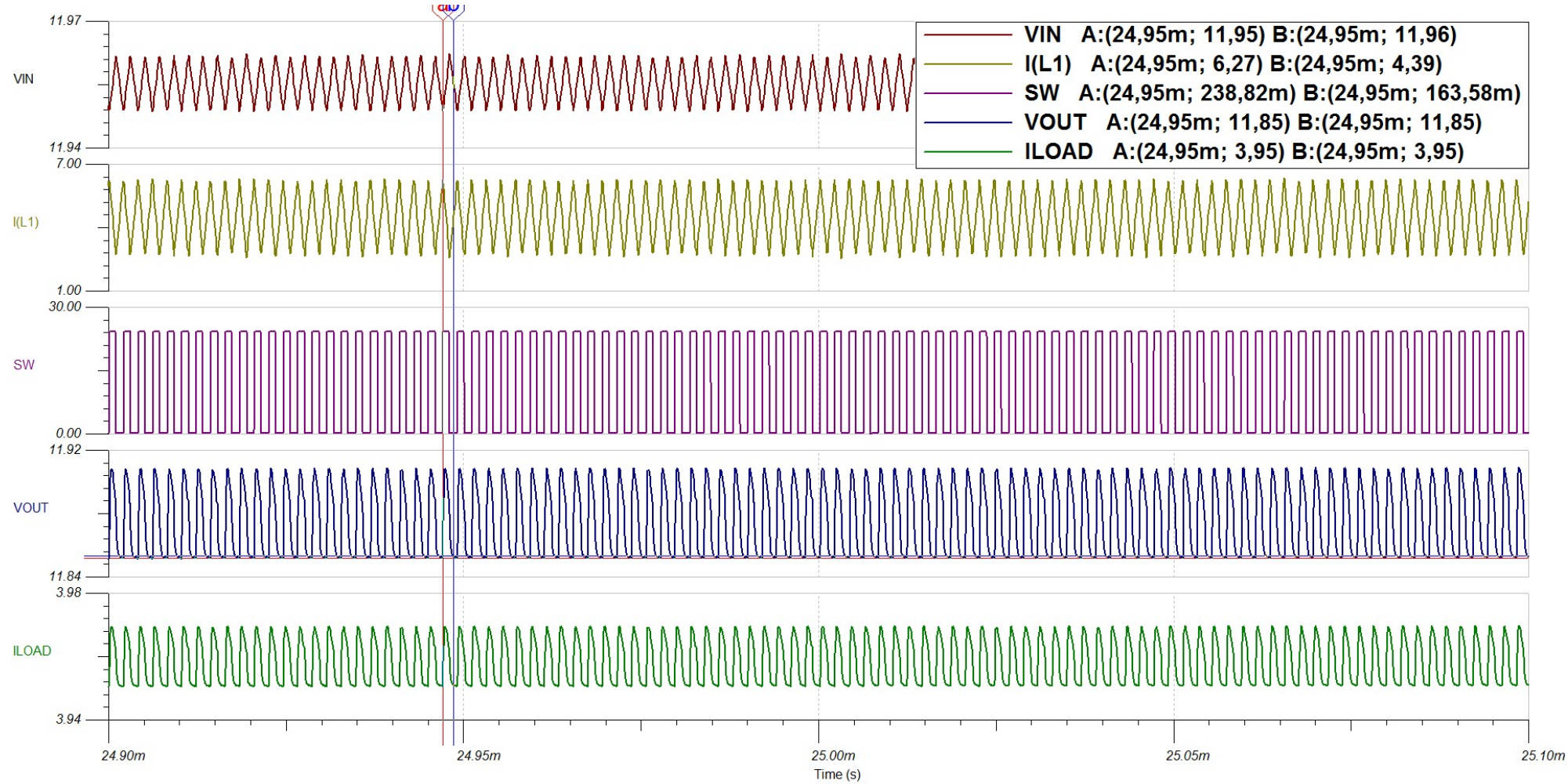
Obrázek : Ripple at Vout = 5V, Vin = 12V and Iload = 4A



Obrázek : Ripple at Vout = 12V, Vin = 12V and Iload = 1A



Obrázek : Ripple at Vout = 12V, Vin = 12V and Iload = 2.5A



Obrázek : Ripple at Vout = 12V, Vin = 12V and Iload = 4A

Konec

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