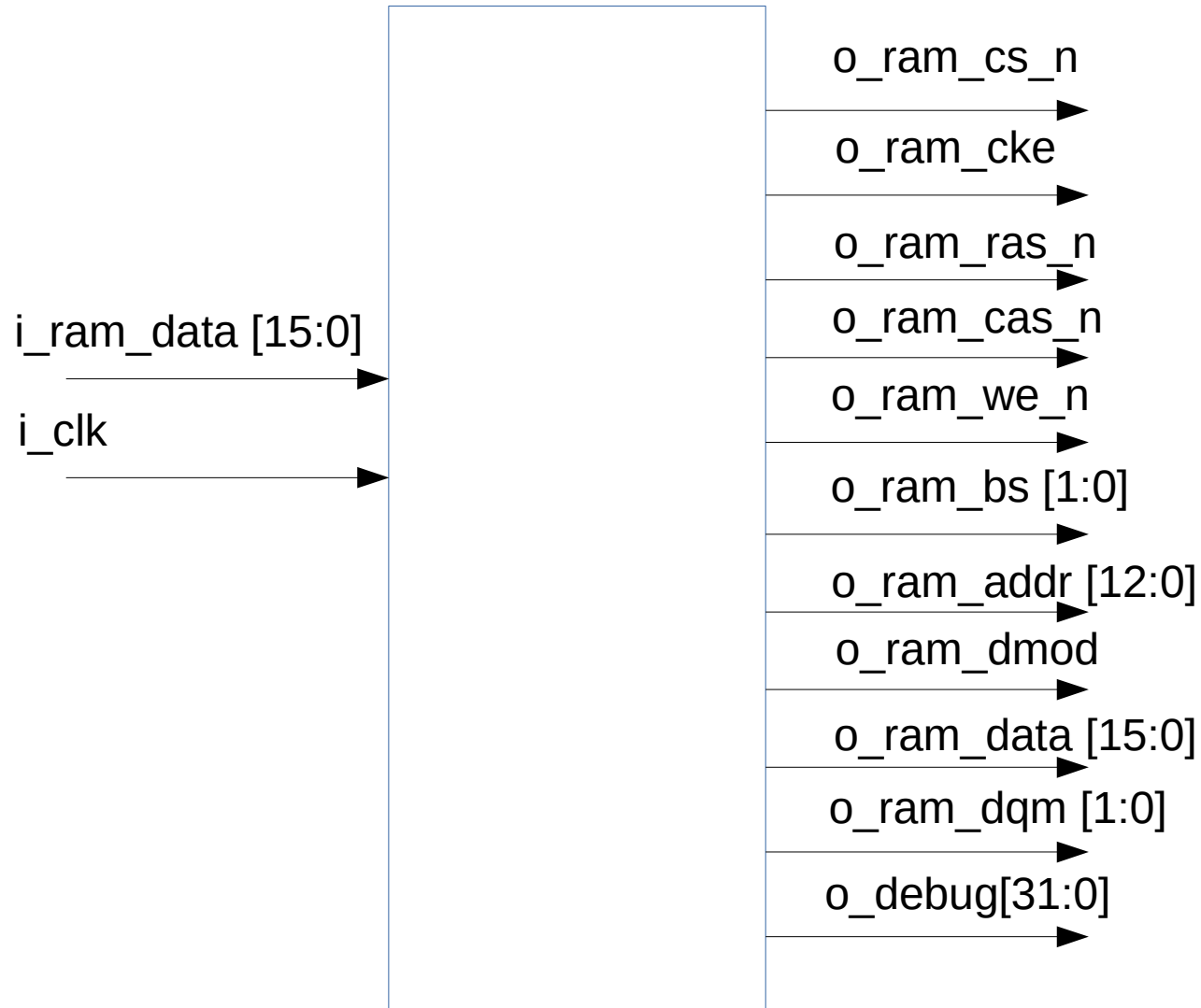
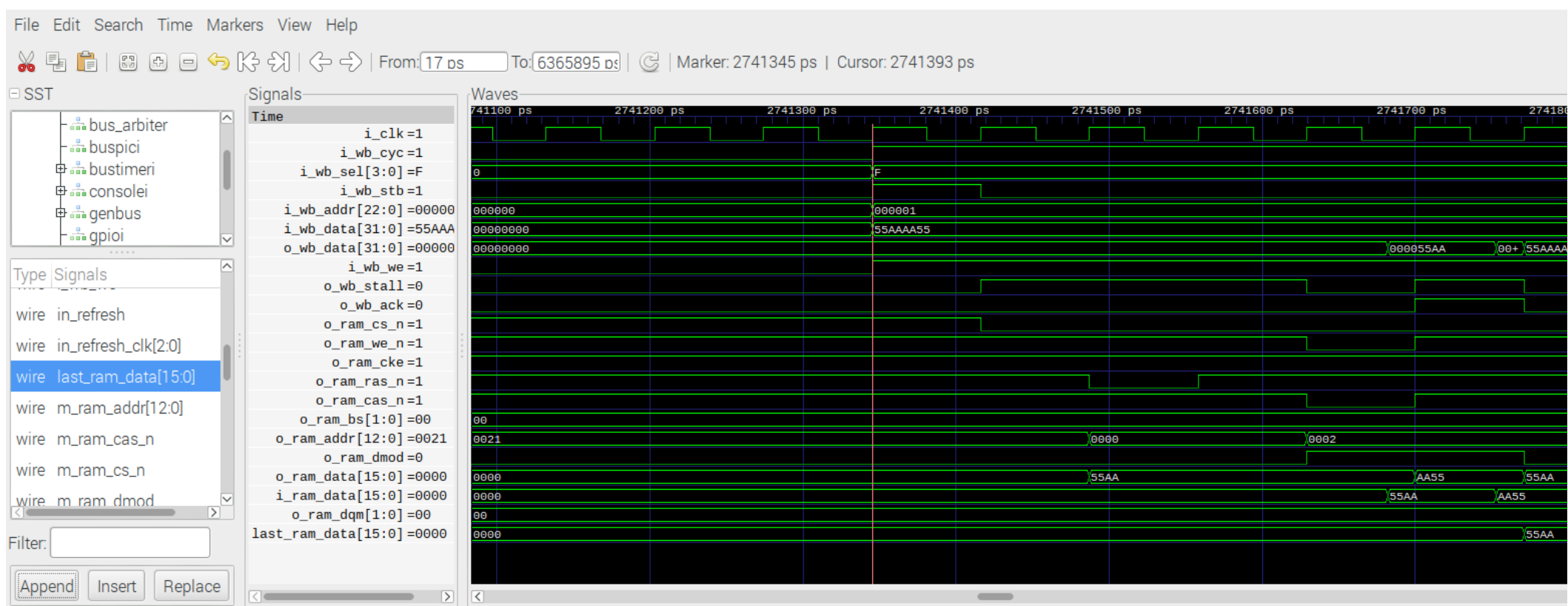


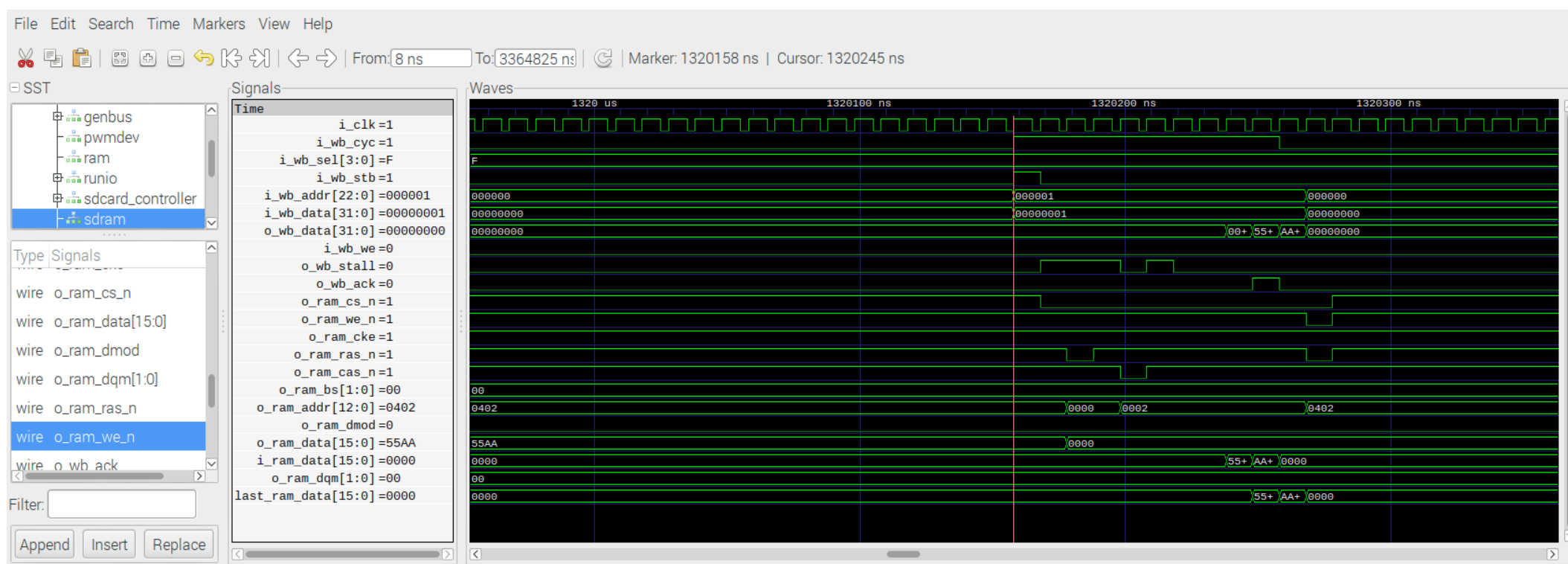
wbsdram



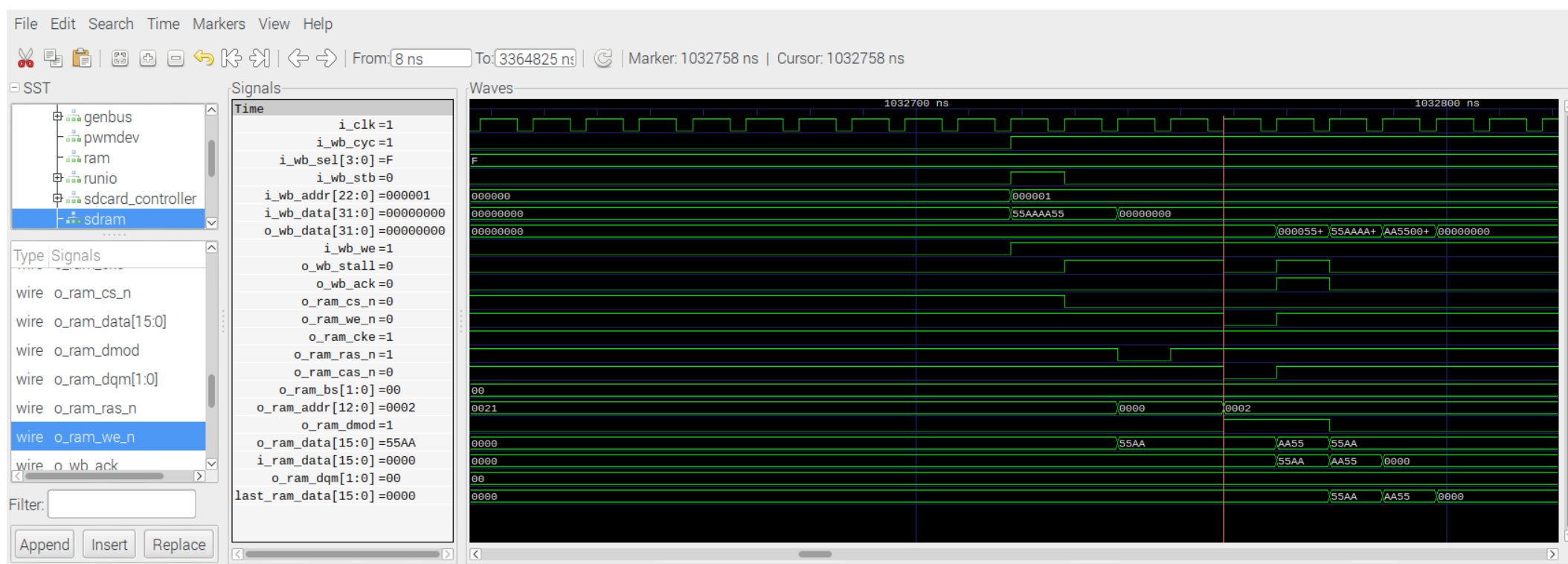
# Catzip Write



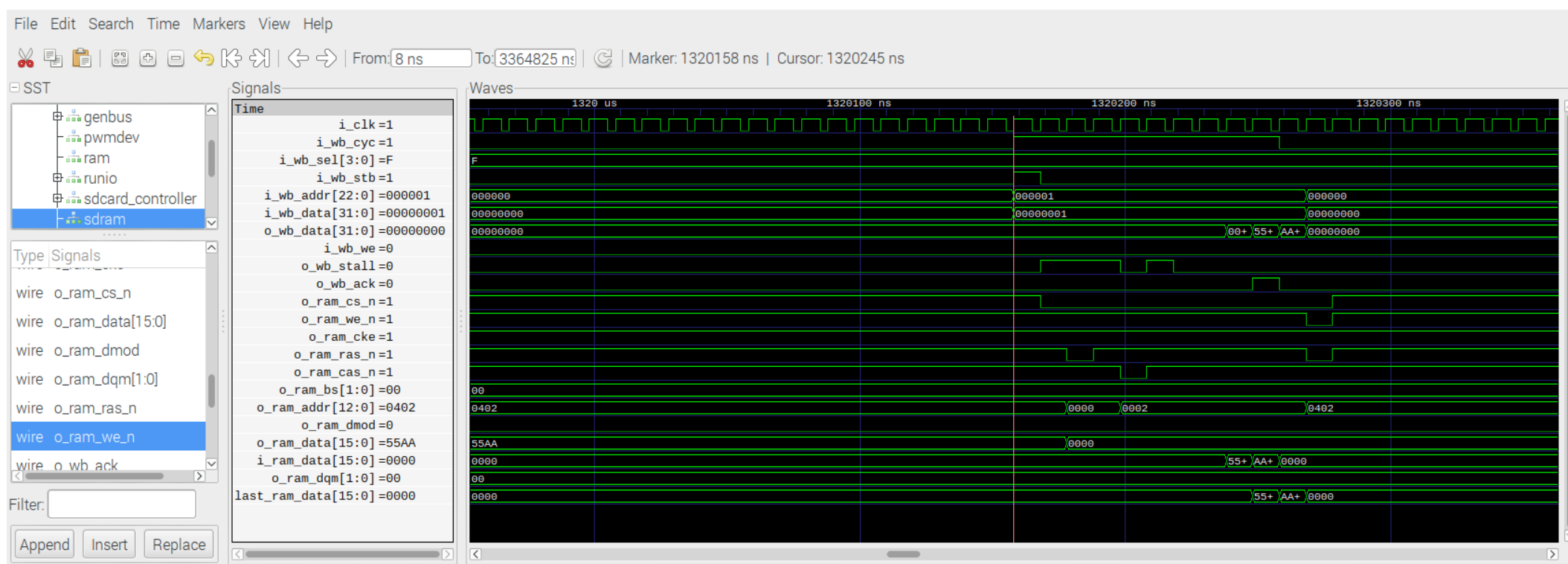
# Catzip Read



# Xula Write



# Xula Read



# Write Times

- xulalx25soc wr
- i\_clk 7nsec hi 3nsec lo 70 % duty cyc
- 718 i\_clk goes hi
- 725 i\_clk goes lo
- 228 i\_clk goes hi
- 718 i\_wb\_cyc goes hi
- 728 o\_ram\_cs\_n goes lo
- 738 o\_ram\_ras\_n goes lo
- 758 o\_ram\_we\_n goes lo & o\_ram\_cas\_n goes lo & o\_ram\_dmod goes hi
- 40nec
- 
- i\_clk 36nsec hi 35nsec lo 50 % duty cyc
- 345 i\_clk goes hi
- 381 i\_clk goes lo
- 416 i\_clk goes hi
- 345 i\_wb\_cyc goes hi
- 416 o\_ram\_cs\_n goes lo
- 487 o\_ram\_ras\_n goes lo
- 629 o\_ram\_we\_n goes lo & o\_ram\_cas\_n goes lo & o\_ram\_dmod goes hi
- 284nsec 7.1 times longer than xula
-