

*The HARTOptMux::findEnc() function triggers a Vivado crash, resulting in synthesis failure.*

*Hello,*

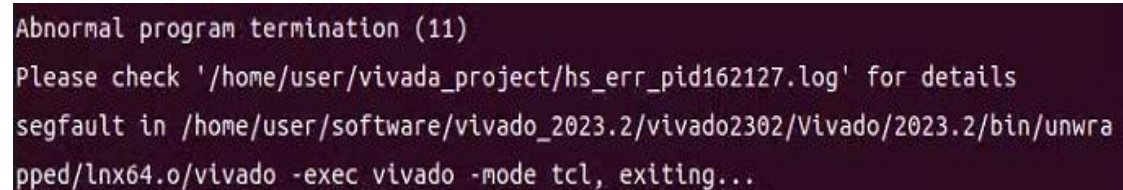
*I encountered a crash while using Vivado for synthesis on my Linux system. The version of Vivado I am using is 2023.2. I performed the following commands in the Ubuntu terminal:*

```
vivado -mode tcl
```

```
read_verilog rtl.v
```

```
synth_design -top top
```

*During the synthesis process, Vivado crashed and generated a log file containing information about the crash.*

A screenshot of a terminal window with a dark background and light-colored text. The text displays an error message: 'Abnormal program termination (11)' followed by instructions to check a log file at '/home/user/vivada\_project/hs\_err\_pid162127.log' for details. It then reports a 'segfault' in a specific Vivado binary path and ends with 'vivado -exec vivado -mode tcl, exiting...'.

```
Abnormal program termination (11)  
Please check '/home/user/vivada_project/hs_err_pid162127.log' for details  
segfault in /home/user/software/vivado_2023.2/vivado2302/Vivado/2023.2/bin/unwrapped/lnx64.o/vivado -exec vivado -mode tcl, exiting...
```

*I have attached our design file rtl.v and the log file from Vivado's output.*

*I am looking forward to your response.*

*Thank you!*