HARTHOptPost::optimize() function triggers a crash during Vivado synthesis

I encountered a crash while using Vivado for synthesis on my Linux system. The version of Vivado I am using is 2023.1. I performed the following commands in the Ubuntu terminal:

vivado -mode tcl

read_verilog rtl.v

synth_design -top top -directive RuntimeOptimized

During the synthesis process, there's a crash, and a log is generated with information about the cause of the crash.

```
Please check '/home/zpy/vivado_question/hs_err_pid2530689.log' for details
segfault in /mnt/newpart/Vivado/Vivado/2023.1/bin/unwrapped/lnx64.o/vivado -exec
 vivado -mode tcl, exiting...
```

I've attached our design file rtl.v and the log output from Vivado.