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#Sanity checks
check_design -checks pre_route_stage
#design_mismatch
#scan_chain
#mv_design
#timing
#routability
#hier_pre_route
check_routability > ./outputs/routing/reports/routability.txt

#Antenna file
source /home/vlsiguru/PHYSICAL_DESIGN/TRAINER1/ICC2/ORCA_TOP/ref/tech/saed32nm_ant_1p9m.tcl

#Timing Driven
set_app_options -name route.global.timing_driven -value true
set_app_options -name route.track.timing_driven -value true
set_app_options -name route.detail.timing_driven -value true

report_app_options {route.global.timing_driven route.track.timing_driven route.detail.timing_driven}

#Xtalk driven
set_app_options -name route.global.crosstalk_driven -value true
set_app_options -name route.track.crosstalk_driven -value true
report_app_options {route.global.crosstalk_driven route.track.crosstalk_driven}

#SI
set_app_options -name time.si_enable_analysis -value true
set_app_options -name time.enable_si_timing_windows -value true
set_app_options -name time.si_xtalk_composite_aggr_mode -value statistical
set_app_options -name time.enable_ccs_rcv_cap -value true
report_app_options {time.si_enable_analysis time.enable_si_timing_windows time.si_xtalk_composite_aggr_mode time.enable_ccs_rcv_cap}

# Set dont touch attribute on clock network
set_dont_touch_network -clock_only [get_ports *clk*]

## app options for prefixes
set_app_options -name opt.common.user_instance_name_prefix -value route_opt_

## Metal layer selection
set_ignored_layers -min_routing_layer M2 -max_routing_layer M5
set_app_options -list {route.common.net_max_layer_mode soft \
    route.common.net_min_layer_mode allow_pin_connection \
}

#set_app_options -name route.common.net_max_layer_mode -value soft
#set_app_options -name route.common.net_min_layer_mode -value allow_pin_connection

#Report generation
#proc report stage {
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46,1	Bot
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