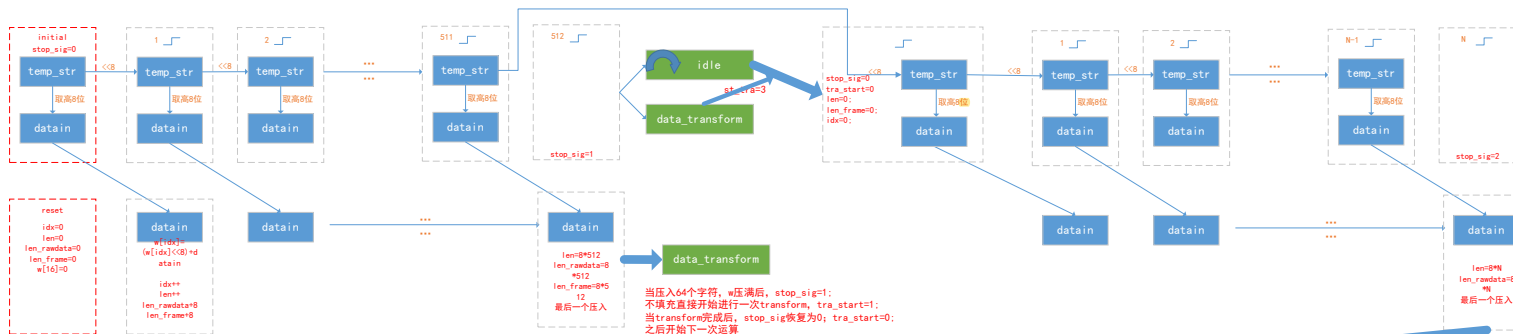


SHA256 TOPFLOOR

testbench

stop_sig: 数据传输停止信号
temp_str: 待处理的消息
N: 消息字符数

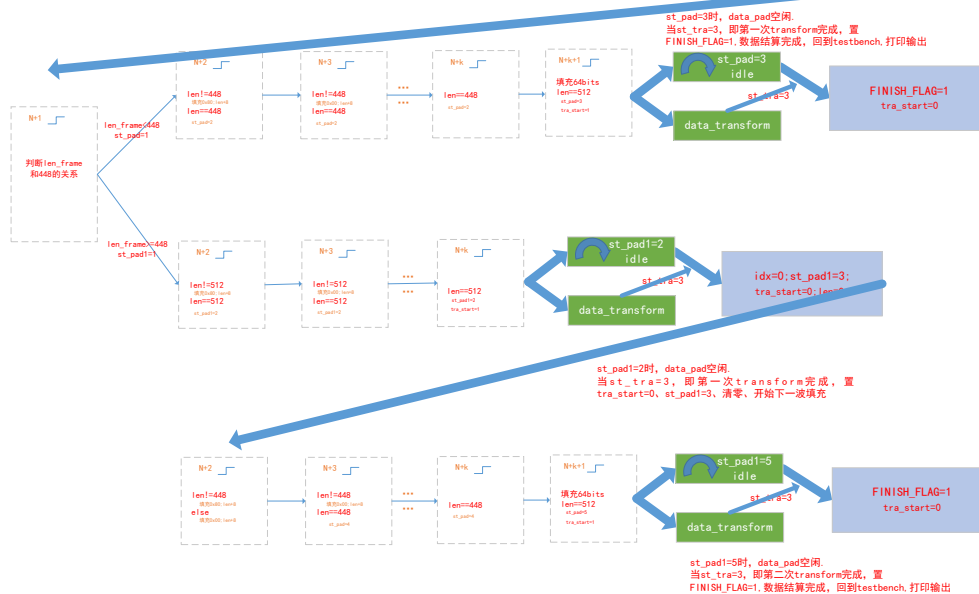


dataread
stop_sig=0

data_preprocess

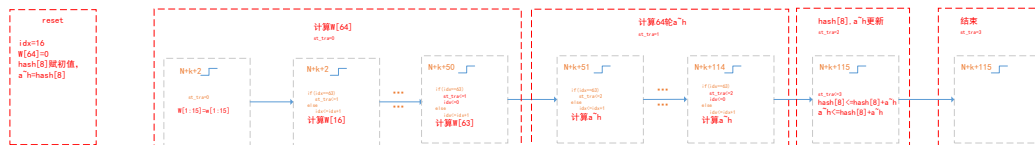
input:
clk_rst,
stop_sig,
datain,
st_tra.
output:
tra_start,
st_pad, st_pad1,
w[16]

datapad



data_transform

input:
clk_rst,
tra_start,
w[16],
st_pad, st_pad1.
output:
st_tra,
hash[8]



tra_start=0时, data_transform空闲, st_tra=0
tra_start=1时, data_transform开始工作

工作结束, st_tra=3: