

## Verbose Log Files.txt

Verbose

Flowsheet Log:

Restoring flowsheet from file

Restoring flowsheet from file

Loaded COFE Flowsheet MAIN wControls 3@3.2.fsd

Loaded COFE Flowsheet MAIN wControls (verbose) 3@3.2.fsd

Starting solve

Partition 1: solving FV COFE Flowsheet Unit Operation SUB

solving unit COFE Flowsheet Unit Operation SUB

message: Unit "COFE Flowsheet Unit Operation SUB": Starting solve

message: Unit "COFE Flowsheet Unit Operation SUB": " must be part of a recycle

message: Unit "COFE Flowsheet Unit Operation SUB": Solve failed

message: Unit "COFE Flowsheet Unit Operation SUB": error: " must be part of a recycle

error: calculate failed for unit COFE Flowsheet Unit Operation SUB: " must be part of a recycle

message: Unit "COFE Flowsheet Unit Operation SUB": Starting solve

message: Unit "COFE Flowsheet Unit Operation SUB": " must be part of a recycle

message: Unit "COFE Flowsheet Unit Operation SUB": Solve failed

message: Unit "COFE Flowsheet Unit Operation SUB": error: " must be part of a recycle

error: calculate failed for unit COFE Flowsheet Unit Operation SUB: " must be part of a recycle

message: Unit "COFE Flowsheet Unit Operation SUB": Starting solve

message: Unit "COFE Flowsheet Unit Operation SUB": " must be part of a recycle

message: Unit "COFE Flowsheet Unit Operation SUB": Solve failed

message: Unit "COFE Flowsheet Unit Operation SUB": error: " must be part of a recycle

error: calculate failed for unit COFE Flowsheet Unit Operation SUB: " must be part of a recycle

message: Unit "COFE Flowsheet Unit Operation SUB": Starting solve

message: Unit "COFE Flowsheet Unit Operation SUB": " must be part of a recycle

message: Unit "COFE Flowsheet Unit Operation SUB": Solve failed

message: Unit "COFE Flowsheet Unit Operation SUB": error: " must be part of a recycle

error: calculate failed for unit COFE Flowsheet Unit Operation SUB: " must be part of a recycle

message: Unit "COFE Flowsheet Unit Operation SUB": Starting solve

message: Unit "COFE Flowsheet Unit Operation SUB": " must be part of a recycle

message: Unit "COFE Flowsheet Unit Operation SUB": Solve failed

message: Unit "COFE Flowsheet Unit Operation SUB": error: " must be part of a recycle

error: calculate failed for unit COFE Flowsheet Unit Operation SUB: " must be part of a recycle

Partition 1: Allowing for simplified models to initialize recycle solution

Partition 1: Partition 1: Unable to find an initial guess for cut stream 18 that allows initial evaluation of unit operations FV and COFE Flowsheet Unit Operation

Verbose Log Files.txt

SUB. Please specify additional initial guesses or modify existing initial guesses and try again. (2x)

Solve failed

Saved COFE Flowsheet MAIN wControls (verbose) 3@3.2.fsd

Unit Status Log Report:

solving FT

Cannot solve controller "FC": it needs to take part in a recycle

Solve failed

message: Setting feed 11 from external port, flash type = PH

message: Setting feed 12 from external port, flash type = PH

Starting solve

solving Air Ratio

solving Mixer\_3

solving FT

Cannot solve controller "FC": it needs to take part in a recycle

Solve failed

message: Setting feed 11 from external port, flash type = PH

message: Setting feed 12 from external port, flash type = PH

Starting solve

solving Air Ratio

solving Mixer\_3

solving FT

Cannot solve controller "FC": it needs to take part in a recycle

Solve failed

message: Setting feed 11 from external port, flash type = PH

message: Setting feed 12 from external port, flash type = PH

Starting solve

solving Air Ratio

solving Mixer\_3

solving FT

Cannot solve controller "FC": it needs to take part in a recycle

Solve failed

message: Setting feed 11 from external port, flash type = PH

message: Setting feed 12 from external port, flash type = PH

Starting solve

solving Air Ratio

solving Mixer\_3

solving FT

Cannot solve controller "FC": it needs to take part in a recycle

Solve failed

message: Setting feed 11 from external port, flash type = PH

message: Setting feed 12 from external port, flash type = PH

Starting solve

solving Air Ratio

solving Mixer\_3

solving FT

Cannot solve controller "FC": it needs to take part in a recycle

Verbose Log Files.txt

Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle

Verbose Log Files.txt

Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3

Verbose Log Files.txt

solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3

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```
solving FT
Cannot solve controller "FC": it needs to take part in a recycle
Solve failed
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
Starting solve
solving Air Ratio
solving Mixer_3
solving FT
Cannot solve controller "FC": it needs to take part in a recycle
Solve failed
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
Starting solve
solving Air Ratio
solving Mixer_3
solving FT
Cannot solve controller "FC": it needs to take part in a recycle
Solve failed
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
OUTLET stream 17 disconnected from unit FC, port Controlled variable
INLET stream 18 disconnected from unit FC, port Measured variable
deleted unit FC
message: Setting feed 11 from external port, flash type = PH (2x)
message: Setting feed 12 from external port, flash type = PH (2x)
deleted stream 17
message: Setting feed 11 from external port, flash type = PH (2x)
message: Setting feed 12 from external port, flash type = PH (2x)
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
Starting solve
solving Air Ratio
solving Mixer_3
solving FT
Solve finished in 16ms
```

Verbose Log Files.txt

message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms

Verbose Log Files.txt

message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms



Verbose Log Files.txt

message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 16ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 15ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 16ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms

Verbose Log Files.txt

message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 16ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 16ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 15ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 16ms

Verbose Log Files.txt

message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 63ms  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving Mixer\_3  
solving FT  
Solve finished in 0ms  
message: Setting product 16 on external port, flash type = PH  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
INLET stream 19 disconnected from unit FC, port Measured variable  
error: stream 19 failed to connect to unit FC as OUTLET/information: Unable to find  
a stream parameter to connect to  
connected stream 18 to unit FC as INLET at port Measured variable

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error: stream 19 failed to connect to unit FC as OUTLET/information: Unable to find a stream parameter to connect to (2x)  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
INLET stream 12 disconnected from unit Mixer\_3, port Inlet 1  
inserted stream 20  
connected stream 20 to unit Mixer\_3 as INLET at port Inlet 1  
inserted unit operation NoOperation\_6  
connected stream 13 to unit FV as OUTLET at port Outlet  
connected stream 12 to unit FV as INLET at port Inlet  
solving FV  
solving Mixer\_3  
solving FT  
error: stream 19 failed to connect to unit FC as OUTLET/information: Unable to find a stream parameter to connect to  
INLET stream 18 disconnected from unit FC, port Measured variable  
error: stream 19 failed to connect to unit FC as OUTLET/information: Unable to find a stream parameter to connect to  
connected stream 18 to unit FC as INLET at port Measured variable  
Port "19 (Feed)": mapping external "Measured variable" to internal "Total molar flow"  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
error: stream 19 failed to connect to unit FC as OUTLET/information: Unable to find a stream parameter to connect to  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
error: stream 19 failed to connect to unit FC as OUTLET/information: Unable to find a stream parameter to connect to  
deleted stream 19  
INLET stream 18 disconnected from unit FC, port Measured variable  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
inserted unit operation FlowConstraint\_7  
inserted stream 21  
connected stream 21 to unit FlowConstraint\_7 as INLET at port Parameter Mole flow  
connected stream 21 to unit FC as OUTLET at port Controlled variable  
connected stream 18 to unit FC as INLET at port Measured variable  
INLET stream 21 disconnected from unit FlowConstraint\_7, port Parameter Mole flow  
deleted unit FlowConstraint\_7  
Port "19 (Feed)": mapping external "Mole flow" to internal "Total molar flow"  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Port "19 (Feed)": mapping external "Mole flow" to internal "Total molar flow"  
error: Failed to set feed 11 from external port: Port is not connected  
error: Failed to set feed 12 from external port: Port is not connected  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH

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```
inserted stream 22
message: Setting feed 11 from external port, flash type = PH (2x)
message: Setting feed 12 from external port, flash type = PH (2x)
deleted stream 22
Port "19 (Feed)": mapping external "Mole flow" to internal "Total molar flow"
message: Setting feed 11 from external port, flash type = PH (2x)
message: Setting feed 12 from external port, flash type = PH (2x)
message: Setting feed 11 from external port, flash type = PH (2x)
message: Setting feed 12 from external port, flash type = PH (2x)
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
Starting solve
solving Air Ratio
solving FV
solving Mixer_3
solving FT
Cannot solve controller "FC": it needs to take part in a recycle
Solve failed
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
Starting solve
solving Air Ratio
solving FV
solving Mixer_3
solving FT
Cannot solve controller "FC": it needs to take part in a recycle
Solve failed
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
Starting solve
solving Air Ratio
solving FV
solving Mixer_3
solving FT
Cannot solve controller "FC": it needs to take part in a recycle
Solve failed
message: Setting feed 11 from external port, flash type = PH
message: Setting feed 12 from external port, flash type = PH
Starting solve
solving Air Ratio
solving FV
solving Mixer_3
solving FT
Cannot solve controller "FC": it needs to take part in a recycle
Solve failed
message: Setting feed 11 from external port, flash type = PH
```

Verbose Log Files.txt

message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio

Verbose Log Files.txt

solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT

Verbose Log Files.txt

Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH



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message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio

Verbose Log Files.txt

solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed  
message: Setting feed 11 from external port, flash type = PH  
message: Setting feed 12 from external port, flash type = PH  
Starting solve  
solving Air Ratio  
solving FV  
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Solve failed  
message: Setting feed 11 from external port, flash type = PH  
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Starting solve (6x)  
solving Air Ratio  
solving FV  
solving Mixer\_3  
solving FT  
Cannot solve controller "FC": it needs to take part in a recycle  
Solve failed (6x)  
" must be part of a recycle (5x)

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error: " must be part of a recycle (5x)