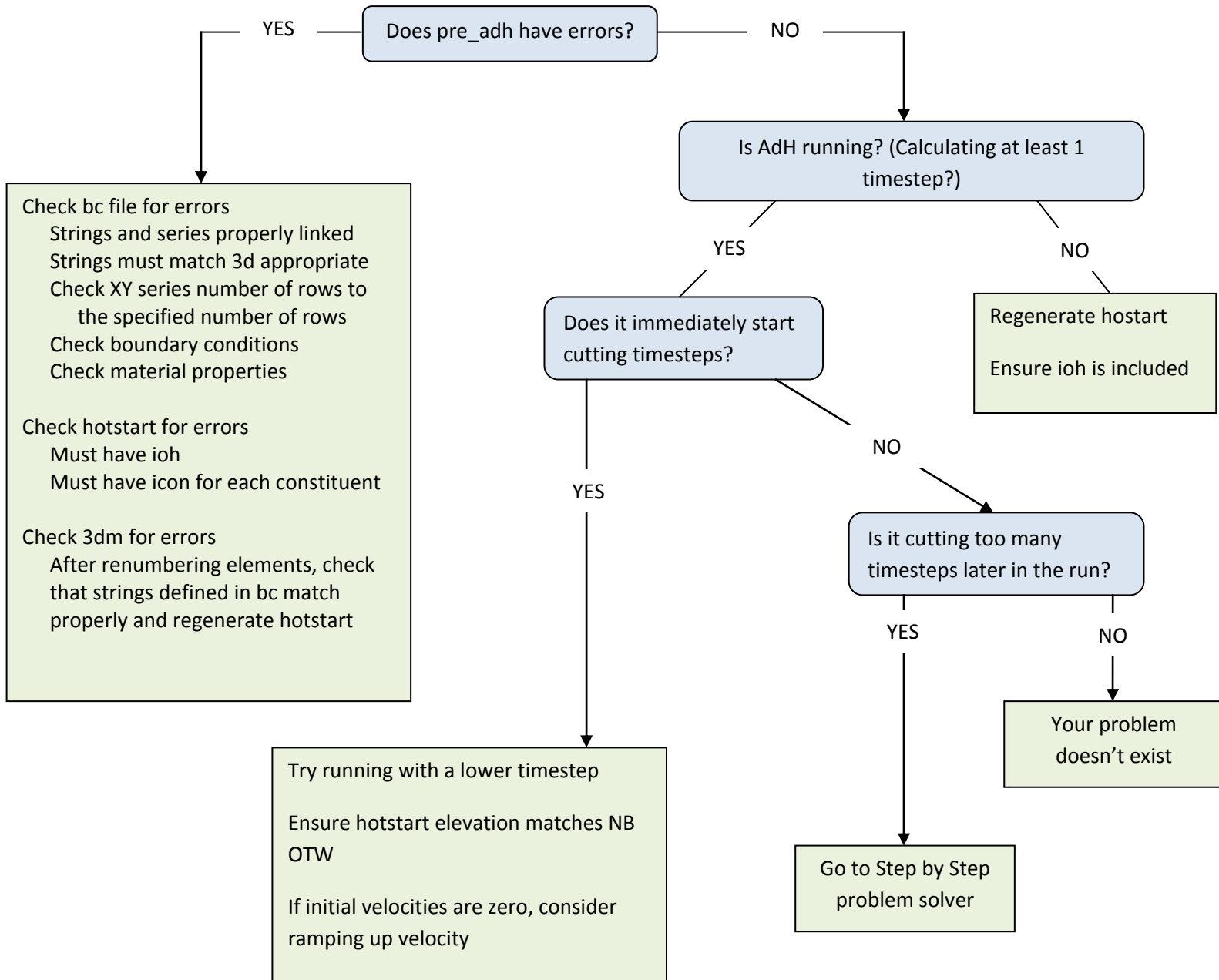


AdH Troubleshooting Decision Tree



STEP 1) Note with nodes are problems (by evaluating which nodes continue to fail tolerance parameters in adh.out)
TIP: grep “#” adh.out (for UNIX systems)

STEP 2) Examine mesh elevations.

Is there a steep element?

Is it wetting and drying? (high velocities here can cause problems, try adjusting MP DTL)

Is there flow passing through a triangular channel? Widen major flow paths to two elements wide.

STEP 3) Examine velocities

Are the velocities abnormally high?

Are the velocities non-uniform/chaotic?

Adjust MP EVS or MP EEV

STEP 4) Examine concentrations

Are the concentrations non-uniform/chaotic?

Check bc for errors (NB TRN)

Check hotstart for errors (improper specification of initial concentrations)

STEP 5) Run with adaption turned on.