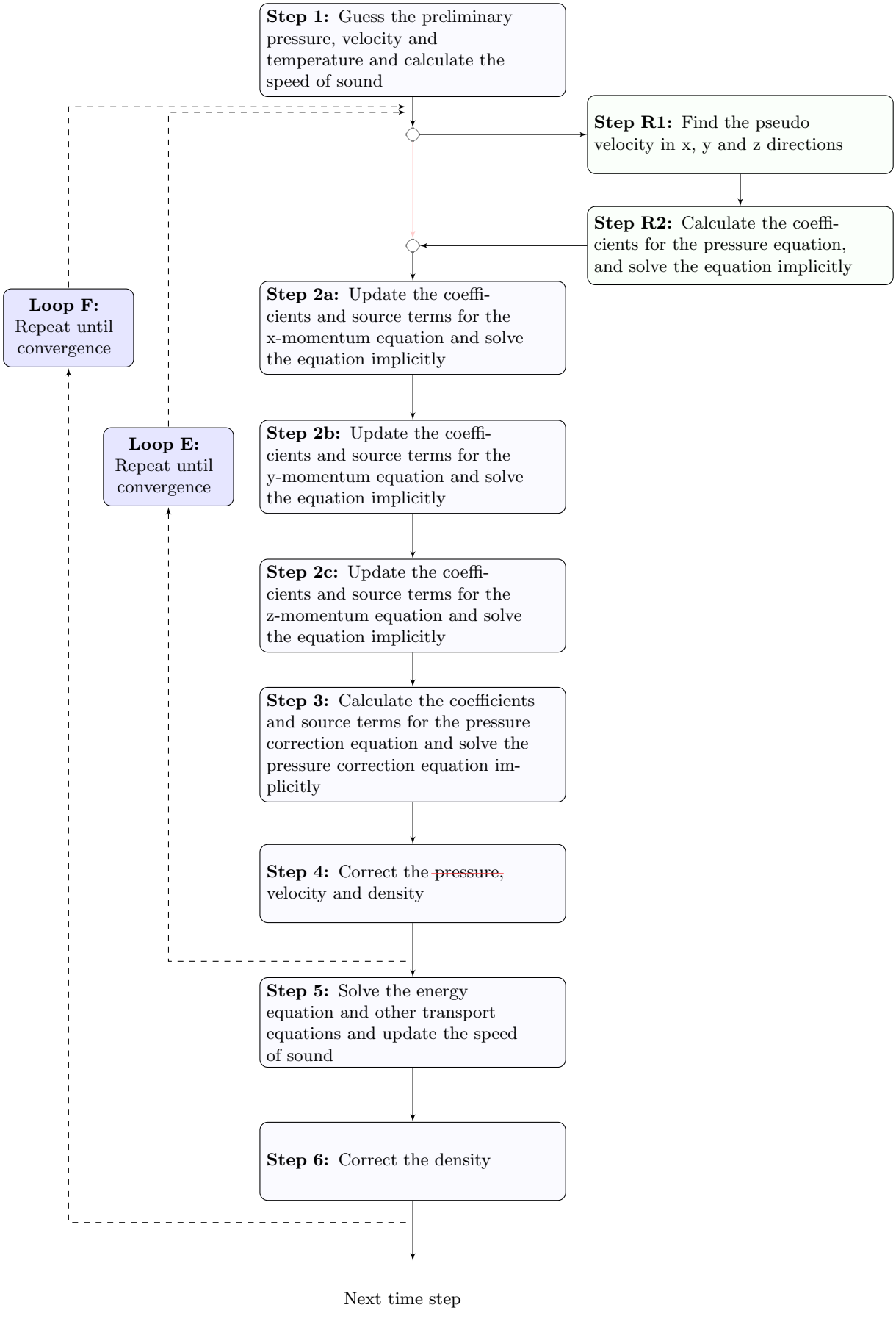
Step 1: Guess the preliminary pressure, velocity and temperature and calculate the speed of sound
Step R1: Find the pseudo velocity in x, y and z directions
Step R2: Calculate the coefficients for the pressure equation, and solve the equation implicitly
Loop F: Repeat until convergence
Step 2a: Update the coefficients and source terms for the x-momentum equation and solve the equation implicitly
Loop E: Repeat until convergence
Step 2b: Update the coefficients and source terms for the y-momentum equation and solve the equation implicitly
Step 2c: Update the coefficients and source terms for the z-momentum equation and solve the equation implicitly
Step 3: Calculate the coefficients and source terms for the pressure correction equation and solve the pressure correction equation implicitly
Step 4: Correct the ~~pressure,~~ velocity and density
Step 5: Solve the energy equation and other transport equations and update the speed of sound
Step 6: Correct the density
Next time step