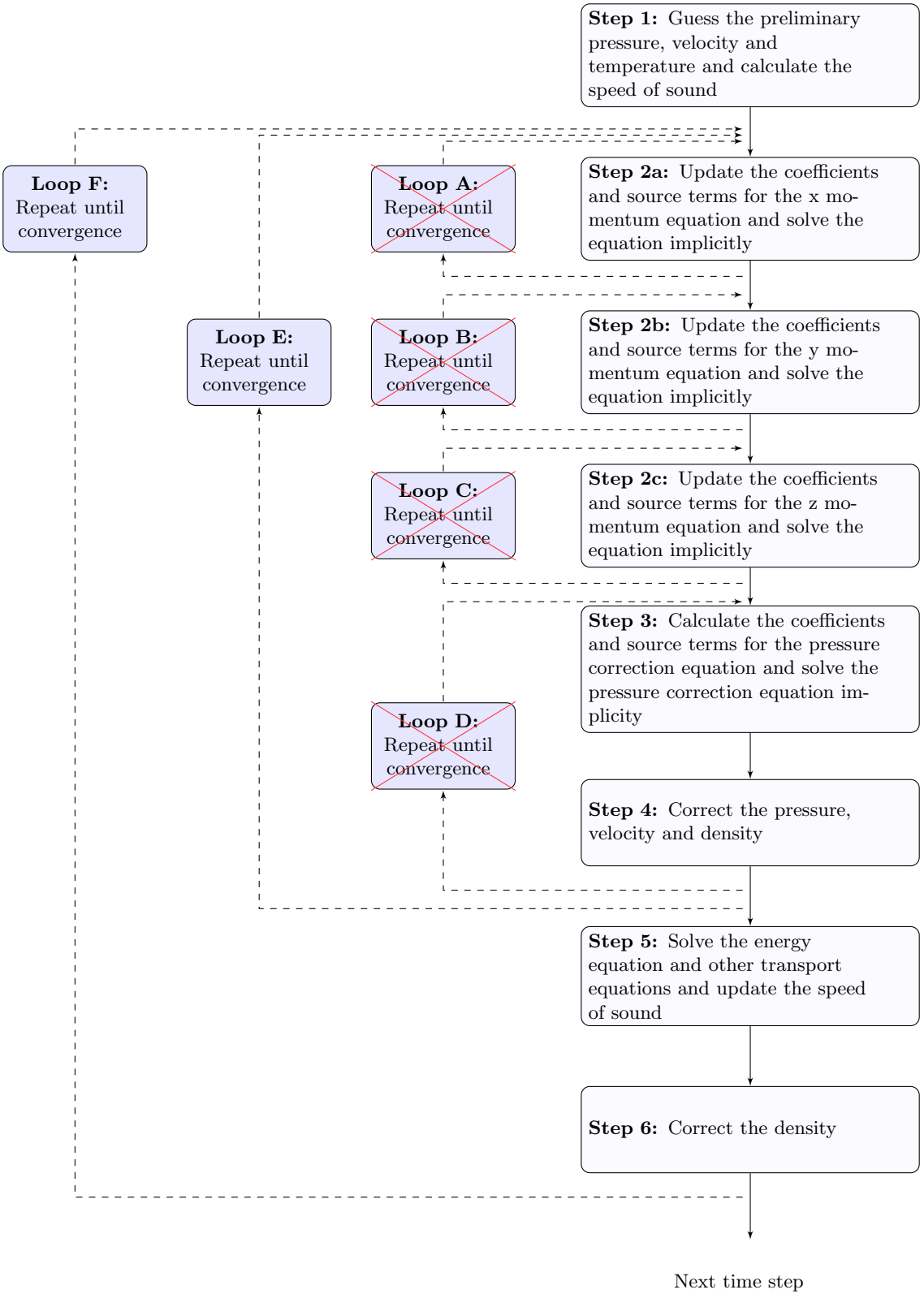
Step 1: Guess the preliminary pressure, velocity and temperature and calculate the speed of sound
Step 2a: Update the coefficients and source terms for the x momentum equation and solve the equation implicitly
Step 2b: Update the coefficients and source terms for the y momentum equation and solve the 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 implicity
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
Loop A: Repeat until convergence
Loop B: Repeat until convergence
Loop C: Repeat until convergence
Loop D: Repeat until convergence
Loop E: Repeat until convergence
Loop F: Repeat until convergence