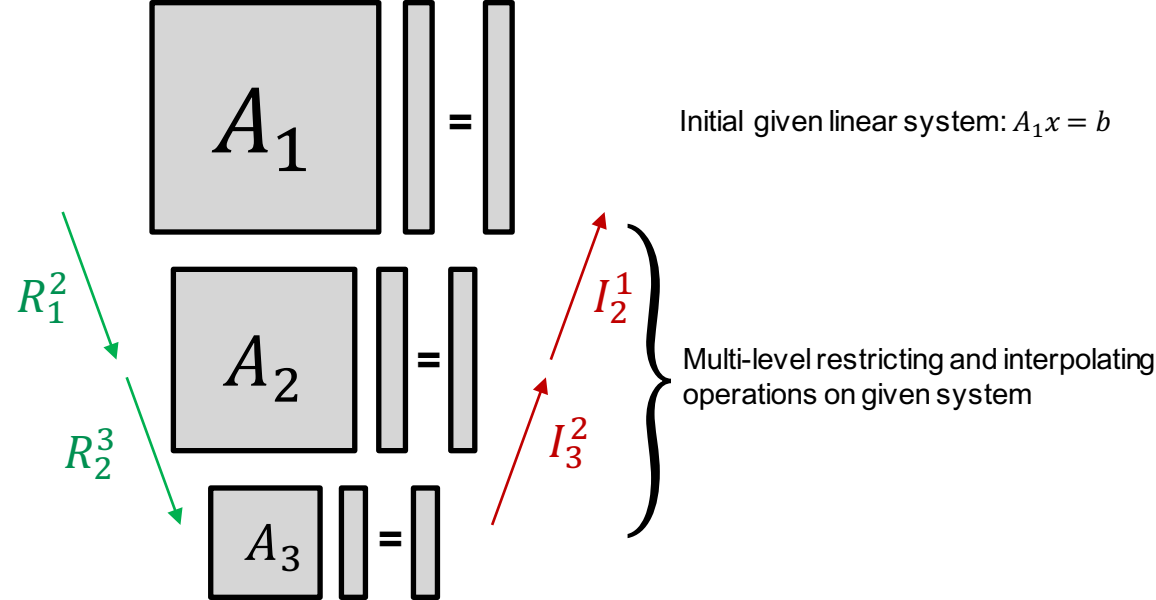
A_1
=
Initial given linear system: $A_1 x = b$
R_1^2
A_2
=
I_2^1
R_2^3
I_3^2
Multi-level restricting and interpolating operations on given system
A_3
=