procedure Conjugate Gradient Guess Initial μ $r = E - T\mu$ p = Mrwhile not converged do $\gamma \leftarrow rMr/pTp$ $\mu \leftarrow \mu + \gamma p$ $r_1 \leftarrow r - \gamma T p$

 $\beta \leftarrow r_1 M r_1 / r M r$ (Previous r is used here.) $p \leftarrow M r_1 + \beta p$

Check Convergence end while end procedure