so the tridiagonal set-up becomes:

$$-\left[\frac{\lambda \Delta t\, K_{Q_{k-1}}}{\Delta s^2\, H^{n+1}_{\theta_{k-1}}}\right] q^{n+1}_{k-1} + \left[H^{n+1}_{\theta_k} + \frac{\lambda \Delta t\, K_{Q_k}}{\Delta s^2\, H^{n+1}_{\theta_k}} + \frac{\lambda \Delta t\, K_{Q_{k-1}}}{\Delta s^2\, H^{n+1}_{\theta_{k-1}}}\right] q^{n+1}_{k} - \left[\frac{\lambda \Delta t\, K_{Q_k}}{\Delta s^2\, H^{n+1}_{\theta_k}}\right] q^{n+1}_{k+1} =$$

A B C

$$\left\{ H^n_\theta q^n + \Delta t \left(P_s + P_b - \varepsilon_d\right) + \frac{\Delta t (1-\lambda)}{\Delta s^2}\left[\frac{K_{Q_k}}{H^n_{\theta_k}}\left(q^n_{k-1} - q^n_k\right) - \frac{K_{Q_{k-1}}}{H^n_{\theta_{k-1}}}\left(q^n_k - q^n_{k-1}\right)\right]\right\}$$

D

[illegible]