$$t(z) = \int_{0}^{\infty} S(\xi) H(z-\xi) d\xi \qquad H = \begin{cases} 1 & 0 < \xi \le z \\ 0 & \xi > z \end{cases}$$

$$t(z_{i}) = \int_{0}^{\infty} H(z_{i}-\xi) S(\xi) d\xi = \int_{z=0}^{z_{i}} S(\xi) d\xi = \int_{z=z_{i}}^{z_{i}} S(\xi) d\xi$$

and
$$\Delta z = 0.2$$

So. $Gij = \begin{cases} \Delta z & i \ge j \\ 0 & i \le j \end{cases}$

$$= 0.2 \begin{cases} 1 & 0 - i \le j \\ 0 & i \le j \end{cases}$$