Heun's method:
$$\times_{k+1} = \times_k + \frac{h}{2} \left(f(t_k, \times_k) + f(t_{k+1}, Z_{k+1}) \right)$$

$$Z_{k+1} = \times_k + h f(t_k, \times_k)$$

Let f(tx, xx) = xxx. Then

 \Rightarrow symbol of our method is $\frac{z^2}{z} + z + 1$.

Let $f(t_k, x_k) = -\lambda x_k$. Then

$$x_{K+1} = x_K + \frac{h}{2} \left(-\lambda x_K - \lambda (x_K - \lambda h x_K) \right)$$

$$= x_K + \frac{h}{2} \left(\lambda^2 h x_K - 2 \lambda x_K \right)$$

$$= \frac{\lambda^2 h^2}{2} x_K - \lambda h x_K + x_K$$

 \Rightarrow symbol of our method is $\frac{z^2}{z} - z + 1$.