

$$\Psi(f,t+1)=\sum_s\left[f(t,s)\left(\left(\frac{1}{2}+\gamma\right)\phi(t+1,s+1)+\left(\frac{1}{2}-\gamma\right)\phi(t+1,s-1)\right)-d(t,s)(\phi(t+1,s-1)-\phi(t+1,s+1))\right]$$