-	$\frac{\partial S_k}{\partial \ddot{q}_k}$ $\frac{\partial S_k}{\partial S_k}$	$\frac{\partial T_k}{\partial \ddot{q}_k}$ $\frac{\partial T_k}{\partial T_k}$	$\frac{\partial R_{k+1}}{\partial \ddot{q}_k}$ $\frac{\partial R_{k+1}}{\partial R_{k+1}}$	$\frac{\partial S_{k+1}}{\partial \ddot{q}_k}$ $\frac{\partial S_{k+1}}{\partial S_{k+1}}$	$\frac{\partial T_{k+1}}{\partial \ddot{q}_k}$ $\frac{\partial T_{k+2}}{\partial T_{k+2}}$	$\frac{\partial R_{k+2}}{\partial \ddot{q}_k}$ ∂R_{k+2}	$\frac{\partial S_{k+2}}{\partial \ddot{q}_k}$ ∂S_{k+2}	$\frac{\partial T_{k+2}}{\partial \ddot{q}_k}$ ∂T_{k+2}	ρ_k σ_k		$ \frac{\partial f_k}{\partial \ddot{q}_k} $ $ \frac{\partial f_k}{\partial f_k} $
	$\partial \dot{q}_k$	$\frac{\partial \dot{q}_k}{\partial q_k}$	$\frac{\partial \dot{q}_k}{\partial q_k}$	$\frac{\partial \dot{q}_k}{\partial S_{k+1}}$ $\frac{\partial S_{k+1}}{\partial q_k}$	$\frac{\partial \dot{q}_k}{\partial q_k}$	$\frac{\partial \dot{q}_k}{\partial q_k}$	$\frac{\partial \dot{q}_k}{\partial q_k}$	$\frac{\partial \dot{q}_k}{\partial q_k}$ $\frac{\partial T_{k+2}}{\partial q_k}$	$ au_k$		$\frac{\partial \dot{q}_k}{\partial q_k}$
			$\frac{\partial R_{k+1}}{\partial \ddot{q}_{k+1}}$	$\frac{\partial S_{k+1}}{\partial \ddot{q}_{k+1}}$	$\frac{\partial T_{k+2}}{\partial \ddot{q}_{k+1}}$	$\frac{\partial R_{k+2}}{\partial \ddot{q}_{k+1}}$	$\frac{\partial S_{k+2}}{\partial \ddot{q}_{k+1}}$	$\frac{\partial T_{k+2}}{\partial \ddot{q}_{k+1}}$	$ ho_{k+1}$		$\left \frac{\partial f_{k+1}}{\partial \ddot{q}_{k+1}} \right $
				$rac{\partial \mathcal{S}_{k+1}}{\partial \dot{q}_{k+1}}$	$\frac{\partial T_{k+2}}{\partial \dot{q}_{k+1}}$	$\frac{\partial R_{k+2}}{\partial \dot{q}_{k+1}}$	$\frac{\partial \mathcal{S}_{k+2}}{\partial \dot{q}_{k+1}}$	$\frac{\partial T_{k+2}}{\partial \dot{q}_{k+1}}$	σ_{k+1}	=-	$\frac{\partial f_{k+1}}{\partial \dot{q}_{k+1}}$
					$\frac{\partial T_{k+1}}{\partial q_{k+1}}$	$\frac{\partial R_{k+2}}{\partial q_{k+1}}$	$\frac{\partial S_{k+2}}{\partial q_{k+1}}$	$\frac{\partial T_{k+2}}{\partial q_{k+1}}$	$ au_{k+1}$		$\left \frac{\partial f_{k+1}}{\partial q_{k+1}} \right $
						$\frac{\partial T_{k+2}}{\partial \ddot{q}_{k+2}}$	$\frac{\partial S_{k+2}}{\partial \ddot{q}_{k+1}}$	$\frac{\partial T_{k+2}}{\partial \ddot{q}_{k+1}}$	ρ_{k+2}		$\frac{\partial f_{k+2}}{\partial \ddot{q}_{k+2}}$
							$\frac{\partial S_{k+2}}{\partial \dot{q}_{k+2}}$	$\frac{\partial T_{k+2}}{\partial \ddot{q}_{k+2}}$	σ_{k+2}		$\frac{\partial f_{k+2}}{\partial \dot{q}_{k+2}}$
_								$\frac{\partial T_{k+2}}{\partial q_{k+2}}$	$ au_{k+2}$		$\left\lfloor \frac{\partial f_{k+2}}{\partial q_{k+2}} \right\rfloor$