

$H^{[i,K]}$	$I^{[i]}$	$\widetilde{T}2_{[i+1,K]}^{[i]}$	$\widetilde{S}_{[i+1,K]}^{[i]} + \widetilde{T}4_{[i+1,K]}^{[i]}$	$\underline{P}_{[i+1,K][i+1,K]}^{[i]}$	$\overline{P}_{[i+1,K][i+1,K]}^{[i]}$	0	$(-\tilde{a}_{[i]})^{[i]}$	0	0	0	$(a_{[i]}^\dagger a_{[i]})^{[i]}$	0	$(\tilde{a}_{[i]}^\dagger)^{[i]}$	0	$(\tilde{a}_{[i]})^{[i]}$	$H^{[i]}$	$H^{[i+1,K]}$
$(a_{[i]}^\dagger)^{[i,K]}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$(a_{[i]}^\dagger)^{[i]}$	$(a_{[i+1,K]}^\dagger)^{[i+1,K]}$
$(a_{[i+1,K]}^\dagger)^{[i,K]}$	0	$\widetilde{I}^{[i]}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$(a_{[i+1,K]}^\dagger)^{[i+1,K]}$
$(a_{[i]}^\dagger)^{[i,K]}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$(a_{[i]}^\dagger)^{[i]}$	$A_{[i+1,K][i+1,K]}^{[i+1,K]}$
$(a_{[i+1,K]}^\dagger)^{[i,K]}$	0	0	$\widetilde{I}^{[i]}$	0	0	0	0	0	0	0	0	0	0	0	0	0	$A_{[i+1,K][i+1,K]}^{[i+1,K]}$
$\overline{A}_{[i]^{[i]}}^{[i,K]}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$(a_{[i]}^\dagger a_{[i]}^\dagger)^{[i]}$	$S_{[1,i-1]}^{[i+1,K]}$
$\overline{A}_{[i+1,K]^{[i]}}^{[i,K]}$	0	$(\tilde{a}_{[i]}^\dagger)^{[i]}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$S_{[i]}^{[i+1,K]}$
$\overline{A}_{[i+1,K][i+1,K]}^{[i,K]}$	0	0	0	$I^{[i]}$	0	0	0	0	0	0	0	0	0	0	0	0	$Q_{[1,i-1][1,i-1]}^{[i+1,K]}$
$\underline{A}_{[i]^{[i]}}^{[i,K]}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$(a_{[i]}^\dagger a_{[i]})^{[i]}$	$Q_{[1,i-1][i]}^{[i+1,K]}$
$\underline{A}_{[i+1,K]^{[i]}}^{[i,K]}$	0	0	$(\tilde{a}_{[i]})^{[i]}$	0	0	0	0	0	0	0	0	0	0	0	0	0	$Q_{[i]^{[i]}}^{[i+1,K]}$
$\underline{A}_{[i+1,K][i+1,K]}^{[i,K]}$	0	0	0	0	$I^{[i]}$	0	0	0	0	0	0	0	0	0	0	0	$Q_{[i][1,i-1]}^{[i+1,K]}$
$S_{[1,i-1]}^{[i,K]}$	0	0	0	0	0	$\widetilde{I}^{[i]}$	0	0	0	0	0	0	0	0	0	$S_{[1,i-1]}^{[i]}$	$T1_{[1,i-1]}^{[i+1,K]}$
$Q_{[1,i-1][1,i-1]}^{[i,K]}$	0	$(v_{PLQR^T L^S C} \tilde{a}_{qC}^\dagger)^{[i]}$	$(-v_{PLQR^T L^S C} \widetilde{a}_{sC})^{[i]}$	0	0	0	0	$I^{[i]}$	0	0	0	0	0	0	0	$Q_{[1,i-1][1,i-1]}^{[i]}$	$T1_{[i]}^{[i+1,K]}$
$T1_{[1,i-1]}^{[i,K]}$	0	$(v_{PLQR^T C^S C} \widetilde{a_{rC}})^{[i]}$	$(v_{PLQC^T C^S R} \tilde{a_{rC}}^\dagger)^{[i]}$	0	$(v_{PLQC^T R^S R} \tilde{a}_{qC}^\dagger)^{[i]}$	0	0	0	$(-a_{qC})^{[i]}$	0	0	$\widetilde{I}^{[i]}$	0	0	0	$T1_{[1,i-1]}^{[i]}$	$T3_{[1,i-1]}^{[i+1,K]}$
$T3_{[1,i-1]}^{[i,K]}$	0	$(-v_{PLQR^T L^S C} \tilde{a}_{pC}^\dagger \tilde{a}_{sC})^{[i]}$	$(v_{PCQC^T L^S R} \tilde{a}_{pC}^\dagger \tilde{a}_{qC}^\dagger)^{[i]}$	$(v_{PRRR^T L^S C} a_{sC})^{[i]}$	0	0	0	0	0	$(a_{pC}^\dagger)^{[i]}$	0	0	0	$\widetilde{I}^{[i]}$	0	$T3_{[1,i-1]}^{[i]}$	$T3_{[i]}^{[i+1,K]}$
$I^{[i,K]}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$I^{[i]}$	$I^{[i+1,K]}$