```
     1     1   0.000000  0.027876

============== PiLib Variable ==============
flq.hop_mat(1)(1)(:,:,8), @a-sp, Floquet hop_mat(1)(:,:,8) of order 0
ORDER=    0, SIZE=[    2,    3], TYPE=SPARSE

     1     2                 3

     2     2   0.000000  0.000000
     1     1   0.000000  0.027876

============== PiLib Variable ==============
flq.hop_mat(1)(1)(:,:,9), @a-sp, Floquet hop_mat(1)(:,:,9) of order 0
ORDER=    0, SIZE=[    2,    3], TYPE=SPARSE

     1     2                 3

     2     2   0.000000  0.000000
     1     1   0.000000 -0.027876

============== PiLib Variable ==============
flq.hop_mat(1)(2)(:,:,1), @a-sp, Floquet hop_mat(2)(:,:,1) of order 0
ORDER=    0, SIZE=[    2,    3], TYPE=SPARSE

     1     2                 3

     2     2   0.000000  0.000000
     2     1   0.719622  0.000000

============== PiLib Variable ==============
flq.hop_mat(1)(2)(:,:,2), @a-sp, Floquet hop_mat(2)(:,:,2) of order 0
ORDER=    0, SIZE=[    2,    3], TYPE=SPARSE

     1     2                 3

     2     2   0.000000  0.000000
     2     1   0.719622  0.000000

============== PiLib Variable ==============
flq.hop_mat(1)(2)(:,:,3), @a-sp, Floquet hop_mat(2)(:,:,3) of order 0
ORDER=    0, SIZE=[    2,    3], TYPE=SPARSE

     1     2                 3

     2     2   0.000000  0.000000
     2     1   0.719622  0.000000
```