```
16    16   0.000000 0.000000
 1     1  -0.498900 0.000000
 2     2  -0.498700 0.000000
 3     3  -0.498700 0.000000
 4     4   0.346500 0.000000
 5     5   0.353700 0.000000
 6     6  -0.498900 0.000000
 7     7  -0.498700 0.000000
 8     8  -0.498700 0.000000
 9     9   0.346500 0.000000
10    10   0.353700 0.000000
```

============= PiLib Variable =============
scc.H_onsite, @t-sp, H_onsite(hop.onsite_E+hop.LS_mat+scc.U_mat)
ORDER=   1, SIZE=[17,   3], TYPE=SPARSE

```
    1    2              3

   16    16   0.000000 0.000000
    1     1  -0.798900 0.000000
    2     2  -0.798700 0.000000
    3     3  -0.798700 0.000000
    4     4   0.346500 0.000000
    5     5   0.353700 0.000000
    6     6  -0.798900 0.000000
    7     7  -0.798700 0.000000
    8     8  -0.798700 0.000000
    9     9   0.346500 0.000000
   10    10   0.353700 0.000000
   11    11  -0.300000 0.000000
   12    12  -0.300000 0.000000
   13    13  -0.300000 0.000000
   14    14  -0.300000 0.000000
   15    15  -0.300000 0.000000
   16    16  -0.300000 0.000000
```