lua table note,table.sort ,table.concat

the code:

function sortVTKey(par)--sort VT

keyT={}

for key,vtab in pairs(par) do

table.insert(keyT, key)

end

--This is the way to handle table.sort. the function(n1,n2),n1,n2 respectively represent the first element and the second element in the table.

And it will ergodic the element in the table.and make element in the table sorted.and when (par[n1][1]<par[n2][1]),it will be sorted as par［n1］［1］<n[2][1]

n1,n2 respectively represent the first element and the second element in the table.

这里的table.sort处理方法，后面function中n1，n2分别代指table中的第一个元素第二个元素，并且----会产生遍历。则表中所有元素的排序当(par[n1][1]<par[n2][1])时 都按照ruturn par［n1］［1］<n[2][1]----的方法排序。

table.sort(keyT, function(n1,n2)

if(par[n1][1]<par[n2][1]) then return par[n1][1]<par[n2][1]

elseif(par[n1][1]==par[n2][1])then return(par[n1][2]<par[n2][2])

end

end

)

return keyT

end

AI\_CAL\_VT={

                                      --handle this table make it sorted.

PPVDD\_GPU\_SRAM= {31,0},

PP1V7\_VA\_VCP= {39,1},

PP1V8\_SW1= {39,2},

PP1V1\_S2= {39,3},

PP6V0\_LCM\_VBOOST= {39,4},

PP3V0\_S2\_TRISTAR= {39,5},

PPVDD\_CPU\_SRAM= {39,6},

PPVDD\_S1\_SOC= {39,7},

}

for key,vtab in pairs(AI\_CAL\_VT) do

print(tostring(key).."={"..tostring(AI\_CAL\_VT[key][1])..","..tostring(AI\_CAL\_VT[key][2]).."}")

--table.insert(keyT, key)

end

for key,vtab in pairs(AI\_CAL\_VT) do

print(tostring(key))

print(tostring(vtab))

--table.insert(keyT, key)

end

Output:

PP6V0\_LCM\_VBOOST={39,4}

PPVDD\_S1\_SOC={39,7}

PPVDD\_CPU\_SRAM={39,6}

PP3V0\_S2\_TRISTAR={39,5}

PP1V7\_VA\_VCP={39,1}

PP1V1\_S2={39,3}

PPVDD\_GPU\_SRAM={31,0}

PP1V8\_SW1={39,2}

1

PPVDD\_GPU\_SRAM

2

PP1V7\_VA\_VCP

3

PP1V8\_SW1

4

PP1V1\_S2

5

PP6V0\_LCM\_VBOOST

6

PP3V0\_S2\_TRISTAR

7

PPVDD\_CPU\_SRAM

8

PPVDD\_S1\_SOC

table.concat() continuously output table

 tbl = {"alpha", "beta", "gamma"}

 print(table.concat(tbl, ":"))

alpha:beta:gamma

 print(table.concat(tbl, nil, 1, 2))

alphabeta

print(table.concat(tbl, "\n", 2, 3))

beta

gamma