//0. 更新 update\_tag, 用localStorage.setItem 隨時備存 程式碼

function update\_tags(){

var t=src\_code.value;

localStorage.setItem('src\_code',t);

tag\_area.innerHTML= code\_tags(t).join(' | ');

}

//1. 用 localStorage.getItem 在 網頁重新啟動後 取回 程式碼

src\_code.value=localStorage.getItem('src\_code'),update();

//2. 輸入格 新增 onpaste 及 onkeyup 自動 update, 編譯並執行

src\_code.onpaste=function(event){update()};

src\_code.onkeyup=function(event){update()};

//3. 在 canvas 增加 onmousemove 顯示滑鼠位置

var canvas0=document.getElementsByTagName('canvas')[0];

canvas0.style.cursor='move';

var f3=function (f){

var s=f.toString();

s=s.replace(/^0\./,'.'),s=s.substr(0,3);

if(s.length===1)s+='.0';

return s;

}

canvas0.onmousemove=function onMouseMove(){

var x=event.pageX/256-.04, y=1.36-event.pageY/256;

var p=$('.publish'), h=p.innerHTML;

p.innerHTML=h.replace(/\(.\*?\)/,'('+f3(x)+','+f3(y)+')');

}

//4. 左右刮號自動配對

function compile(src\_code, result\_limit) {

var code = ['var go = function(xpos, ypos) { ' +

'var time\_val=0.0; var dstack=[]; var rstack=[];'];

var dict = core\_words();

var pending\_name = 'bogus';

var code\_stack = [];

//var paren\_comment = false; // 20151101 sam for nesting paren

var paren\_comment = 0; // 20151101 sam for nesting paren

src\_code = src\_code.replace(/[ \r\t]+/g, ' ').trim();

var lines = src\_code.split('\n');

for (var j = 0; j < lines.length; j++) {

var src = lines[j].split(' ');

for (var i = 0; i < src.length; i++) {

var word = src[i];

word = word.toLowerCase();

if (word == '(') { // 20151101 sam for nesting paren

paren\_comment++; // 20151101 sam for nesting paren

continue; // 20151101 sam for nesting paren

} // 20151101 sam for nesting paren

if (paren\_comment) {

if (word == ')') {

//paren\_comment = false; // 20151101 sam for nesting paren

paren\_comment--; // 20151101 sam for nesting paren

}

continue;

}

if (word == '') {

continue;

} else if (word in dict) {

code = code.concat(dict[word]);

} else if (word == '\\') {

break;

// } else if (word == '(') { // 20151101 sam for nesting paren

// paren\_comment = true; // 20151101 sam for nesting paren

// continue; // 20151101 sam for nesting paren

} else if (word == ':') {

i++;

pending\_name = src[i];

// Disallow nested words.

if (code\_stack.length != 0) return BOGUS;

code\_stack.push(code);

code = [];

} else if (word == ';') {

// Disallow ; other than to end a word.

if (code\_stack.length != 1) return BOGUS;

dict[pending\_name] = code;

code = code\_stack.pop();

pending\_name = 'bogus';

} else {

var num = '' + parseFloat(word);

if (num.match(/^[-]?[0-9]+$/)) {

num += '.0';

}

code.push('dstack.push(' + num + ');');

}

}

}

code.push('return dstack; }; go');

// Dump code to console.

console.log('----------UNOPTIMIZED JSCRIPT:\n' + code.join('\n') + '\n\n\n');

// Limit number of steps.

if (code.length > 2000) return BOGUS;

code = optimize(code, result\_limit);

return code;

}

//5. 輸入格 放大 可調 並隨時備存 style 下次自動依備存 style 恢復

var h=localStorage.getItem('src\_code.style.height');

if(h) lsrc\_code.style.height=h;

else src\_code.style.height='400';

src\_code.style.width='100%';

src\_code.style.resize='vertical';

src\_code.onresize="localStorage.setItem("+

"'src\_code.style.height',src\_code.style.height);"

//6. 方寸幻彩 平台 源自 Brad Nelson 的 Forth Haiku