

888888	.d8888b.		888						
"88b	d88P	Y88b	.d8888b.	.d88888b.	888	Y8888888888			
888	Y88b.		d88P	Y88b	d88P"	"Y88b	888	"888	" "
888	"Y888b.		888		888	888	888	888	
888	"Y88b.		888	88888	888	888	888	8888888	
888	"888		888	888	888	888	888	888	
888	Y88b	d88P	Y88b	d88P	Y88b.	.d88P	Y88b	888	888
88P	"Y8888P"		"Y8888P88	"Y88888P"	"Y88888	888		888	
888								888	
.d88P	888	8888888888	.d8888b.	.d8888b.	.d88888b.	888b	888	.d8888b.	
.d88P"	888	888	d88P	Y88b	d88P	Y88b	d88P"	"Y88b	8888b
888P"	888	888	Y88b.		Y88b.	888	888	88888b	888
	888	8888888	"Y888b.		"Y888b.	888	888	888Y88b	888
	888	888	"Y88b.		"Y88b.	888	888	888 Y88b888	"Y88b.
	888	888	"888		"888	888	888	888 Y88888	"888
	888	888	Y88b	d88P	Y88b	d88P	Y88b.	.d88P	888
	888888888	8888888888	"Y8888P"	"Y8888P"	"Y88888P"	888	Y888	Y88b	d88P

```
#####
+++++
-----
...
```

[illegible]

10K Apart

- \* can't be over 10K
- \* size including images, scripts & markup
- \* approved list of libraries
- \* must work IE10, Firefox & Webkit

JS1k

- \* up to 1024 bytes
- \* only JS (no externals audio or webgl)
- \* current browsers (ch, fx, sa, o)
- \* canvas, context + body for "free"
- \* "html5" shim with canvas provided

```
<!doctype html>
<html>
  <canvas></canvas>

  <script>

    var b = document.body;
    var c = document.getElementsByTagName('canvas')[0];
    var a = c.getContext('2d');

    // start of submission //
    *** YOUR SCRIPT ***
    // end of submission //

  </script>
</html>
```

```

88b
d888
888
888888 .d8888b. d888 888 d8P
"88b d88P Y88b d8888 888 d8P
888 Y88b. 888 888 d8P
888 "Y888b. 888 888d88K
888 "Y88b. 888 8888888b
888 "888 888 888 Y88b
88P Y88b d88P 888 888 Y88b
888 "Y8888P" 8888888 888 Y88b
.d88P
d88P
888
d888
88888888b. .d88888b. 888 d8P 8888888888 8888888b.
8888 Y88b d88P" "Y88b 888 d8P 888 888 888 Y88b
888 888 888 888 888 d8P 888 888 888
888 d88P 888 888 888d88K 8888888 888 d88P
8888888P" 888 888 8888888b 888 "" 8888888P"
888 888 888 888 Y88b 888 888 T88b
88888 Y88b. .d88P 888 Y88b 888 888 888 T88b
88888 "Y8888P" 888 Y88b 8888888888 888 T8888b
88888 T8888b

```

```

.----- .----- .----- .-----
| J.--. | Q.--. | K.--. | | |
| T.--. | :(): | (\/) | :/\: | A.--. |
| :/\: | ()() | :\/: | :\/: | (\/) |
| ( ) | '---'J | '---'Q | '---'K | :\/: |
| '---'T | '-----' | '-----' | '---'A |
'-----'

```

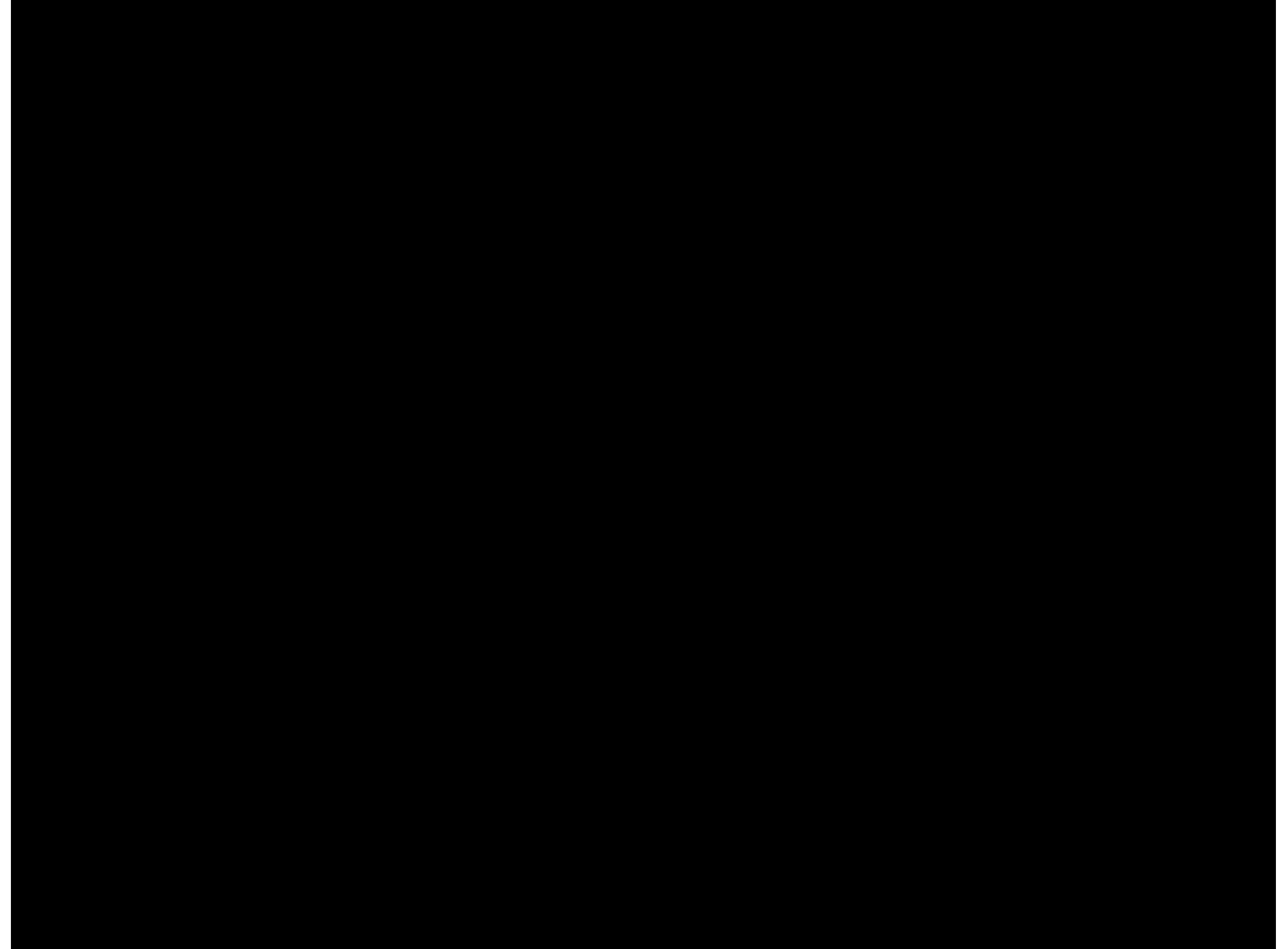


<http://js.gd/1k5>

```

b="<center>",c=document,d=1,e=10,f=[],g=[],h=[],i=[],a=5;
while(a--){b+="

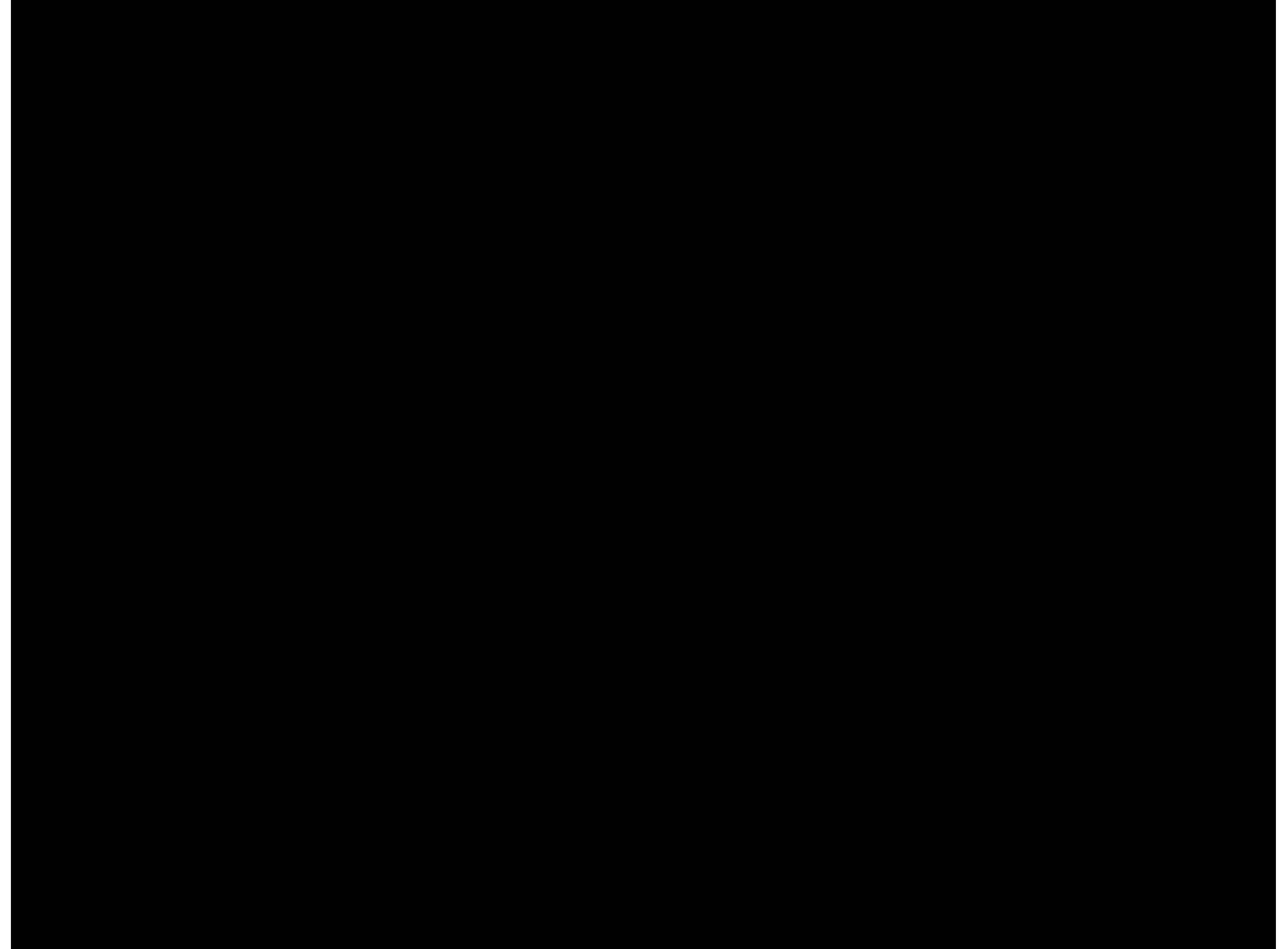
```



```
// introduce all variables var i, html, _document, in_progress, cash, picked_cards, flipped_cards,
dealt_cards, cards_html, matched_i, n, suits, matched, pairs, threes, fours, flush, straight,
points, temp_element; // center document html = ">center>"; _document = document; in_progress = 1; ca
10; picked_cards = []; flipped_cards = []; dealt_cards = []; cards_html = []; i = 5; while (i--) { //
create cards placehoder html += '>button id=C' + i + ' onclick=F(' + i + ')>>/button> '; } // write i
and deal button _document.write( html + '>h3 id=I>>/h3>>button id=D onclick=D()>'); i = 52; while (i-
// store html for cards // scale card using a heading cards_html[i] = ">h1 style=width:2em;color:" +
assign color (i > 25 && "red") + ">" + // assign symbol using a unicode character String.fromCharCode
0, 5, 6][i / 13 | 0] + 9824) + // assign number "A23456789TJQK".split("")[i % 13] + // add some extra
bottom space ">h6>..."; } // deal or trade cards D = function() { // reset flipped and picked cards if
(in_progress = !in_progress)) { i = 52; while (i--) { flipped_cards[i] = picked_cards[i] = 0; } } i=
while (i--) { if (!in_progress || flipped_cards[i]) { // trade flipped card while (picked_cards[n =
Math.random() * 52 | 0]) {} picked_cards[n] = 1; temp_element = _document.getElementById("C" + i);
temp_element.style.opacity = 1; temp_element.innerHTML = cards_html[n]; // shift index plus 13 // to
lexical sorting dealt_cards[i] = n + 13; } } if (in_progress) { suits = [0, 0, 0, 0]; matched = []; p
= threes = fours = flush = straight = points = 0; dealt_cards.sort(); i = 13; while (i--) { matched[i]
0; } // count matched values and suits i = 13; while (i--) { matched[dealt_cards[i] % 13]++;
suits[dealt_cards[i] / 13 | 0]++; } // count pairs, threes and fours i = 13; while (i--) { matched_i
matched[i]; if (matched_i == 2) { pairs++; } else if (matched_i == 3) { threes++; } else if (matched
4) { fours++; } } // check flush i = 13; while (i--) { if (suits[i] == 5) { flush = 1; } } if (
dealt_cards[4] - dealt_cards[1] == 3 && dealt_cards[4] - dealt_cards[0] == 12 && flush) { points = 8;
Royal Flush } else if ( dealt_cards[4] - dealt_cards[0] == 4 && flush) { points = 7; // Straight Flush
// reduce suits i = 5; while (i--) { dealt_cards[i] = dealt_cards[i] % 13 + 13; } dealt_cards.sort();
(!points) { if (fours) { points = 6; // Fours } else if (threes && pairs) { points = 5; // Full House
else if (flush) { points = 4; // Fours } else if ((dealt_cards[4] - dealt_cards[3]) == 1 &&
(dealt_cards[3] - dealt_cards[2]) == 1 && (dealt_cards[2] - dealt_cards[1]) == 1 && ( dealt_cards[1]
dealt_cards[0] == 1 || dealt_cards[4] - dealt_cards[0] == 12)) { points = 3; // Straight } else if
(threes) { points = 2; // Three } else if (pairs == 2) { points = 1; // Two Pairs } } } // update but
document.getElementById("D").innerHTML = in_progress ? "New Game" : "Trade Selected Cards"; // updat
result _document.getElementById("I").innerHTML = ( in_progress ? "You lose0Two
Pairs0Three0Straight0Flush0Full House0Four0Straight Flush0Royal Flush".split(0)[points] + ">h3>" +
= points * 2) : ">h3>" + (--cash)) + "0quot;; }; // mark flipped cards F = function(i) { if
(!in_progress) { _document.getElementById("C" + i).style.opacity = ( flipped_cards[i] =
flipped_cards[i]) ? .3 : 1; } }; // start game D();
```

/ Google Closure Compiler / YUI Compressor

```
b='<center>',c=document,d=1,e=10,f=[],g=[],h=[],i=[],a=5;while(a--
)b+='<button id=C'+a+' onclick=F('+a+')></button> ';c.write(b+'<h3
id=I></h3><button id=D onclick=D()>'),a=52;while(a--)i[a]='<h1 sty
le=width:2em;color: '+a>25&&'red')+ '>'+String.fromCharCode([3,0,5,
6][a/13|0]+9824)+'A23456789TJQK'.split('')[a%13]+'<h6>...';D=functio
n(){if(!(d!=d)){a=52;while(a--)g[a]=f[a]=0;a=5;while(a--)if(!d||g[
a]){while(f[k=Math.random()*52|0]);f[k]=1,t=c.getElementById('C'+a
),t.style.opacity=1,t.innerHTML=i[k],h[a]=k+13}if(d){l=[0,0,0,0],m
=[],n=o=p=q=r=s=0,h.sort(),a=13;while(a--)m[a]=0;a=13;while(a--)m[
h[a]%13]++,l[h[a]/13|0]++;a=13;while(a--)j=m[a],j==2?n++:j==3?o++:
j==4&&p++;a=13;while(a--)l[a]==5&&(q=1);h[4]-h[1]==3&&h[4]-h[0]==1
2&&q?s=8:h[4]-h[0]==4&&q&&(s=7),a=5;while(a--)h[a]=h[a]%13+13;h.so
rt(),s||(p?s=6:o&&n?s=5:q?s=4:h[4]-h[3]!=1||h[3]-h[2]!=1||h[2]-h[1
]!=1||h[1]-h[0]!=1&&h[4]-h[0]!=12?o?s=2:n==2&&(s=1):s=3)}c.getElem
entById('D').innerHTML=d?'New Game':'Trade Selected Cards',c.getEl
ementById('I').innerHTML=(d?'You lose0Two Pairs0Three0Straight0Flu
sh0Full House0Four0Straight Flush0Royal Flush'.split(0)[s]+'!<h3>'
+(e+=s*2):'.<h3>'+ --e)+'0$',F=function(a){d||(c.getElementById('
C'+a).style.opacity=(g[a]!=g[a])?.3:1)},D()
```



```
function () {  
    var a;  
    var b;  
  
    a = "Hello";  
    b = true;  
}
```

```
function() {  
    var a, b;  
  
    a = "Hello";  
    b = true;  
}
```



```
function () {  
    var  
  
    a = "Hello",  
    b = true;  
}
```

```
function () {
```

```
    a = "Hello";
```

```
    b = true;
```

```
}
```

```
function () {
```

```
    a = "Hello";
```

```
    b = true;
```

```
}
```

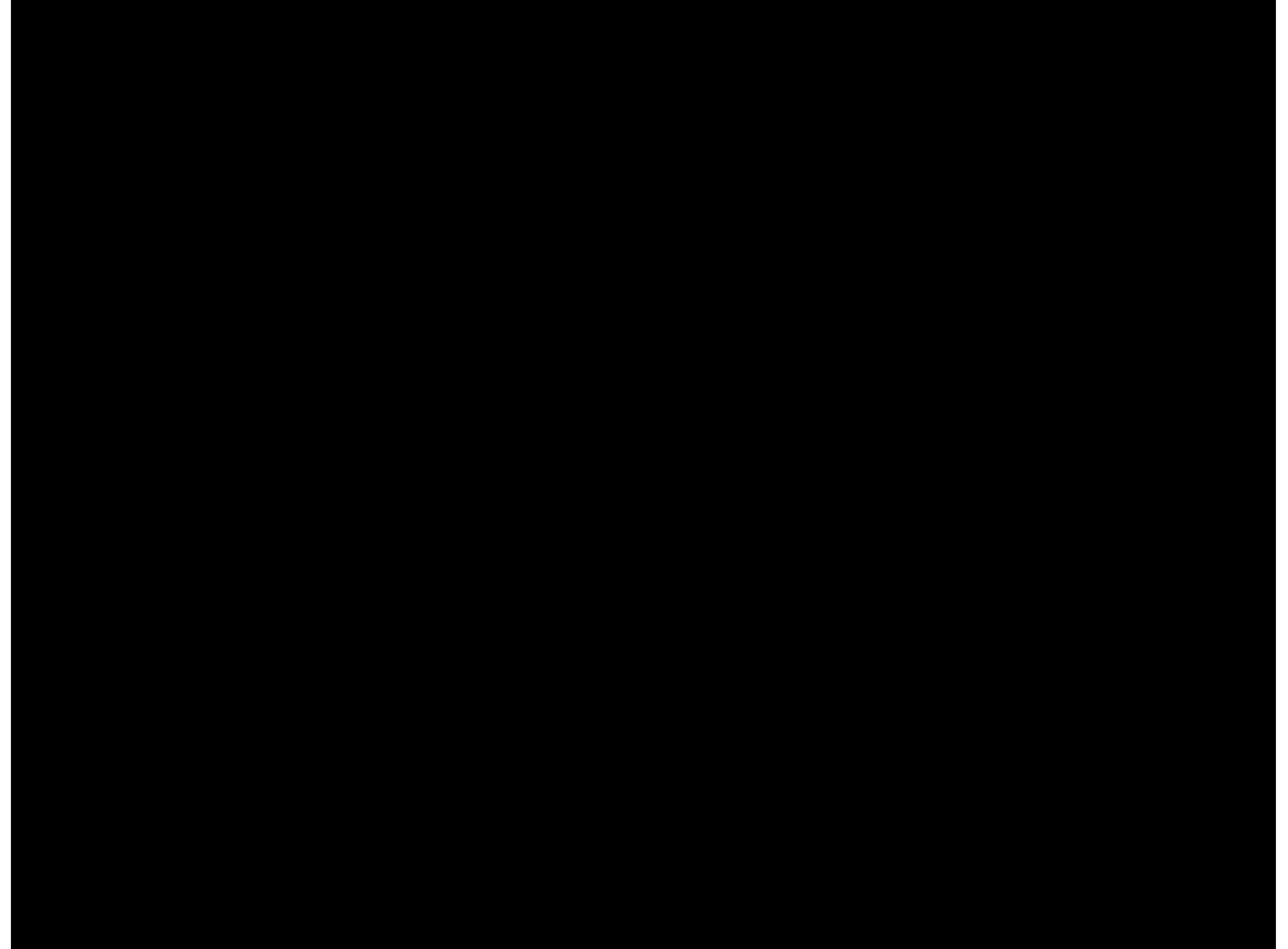
```
// GLOBAL LEAK
```

```
function (a,b) {
```

```
    a = "Hello";
```

```
    b = true;
```

```
}
```



```
document.getElementById('x');  
document.write('foo');
```

```
d = document;
```

```
d.getElementById('x');
```

```
d.write('foo');
```

```
x = Math.random() * 10;  
y = Math.random() * 10;  
z = Math.max(x, y);
```



```
M = Math;
```

```
x = M.random() * 10;
```

```
y = M.random() * 10;
```

```
z = M.max(x, y);
```

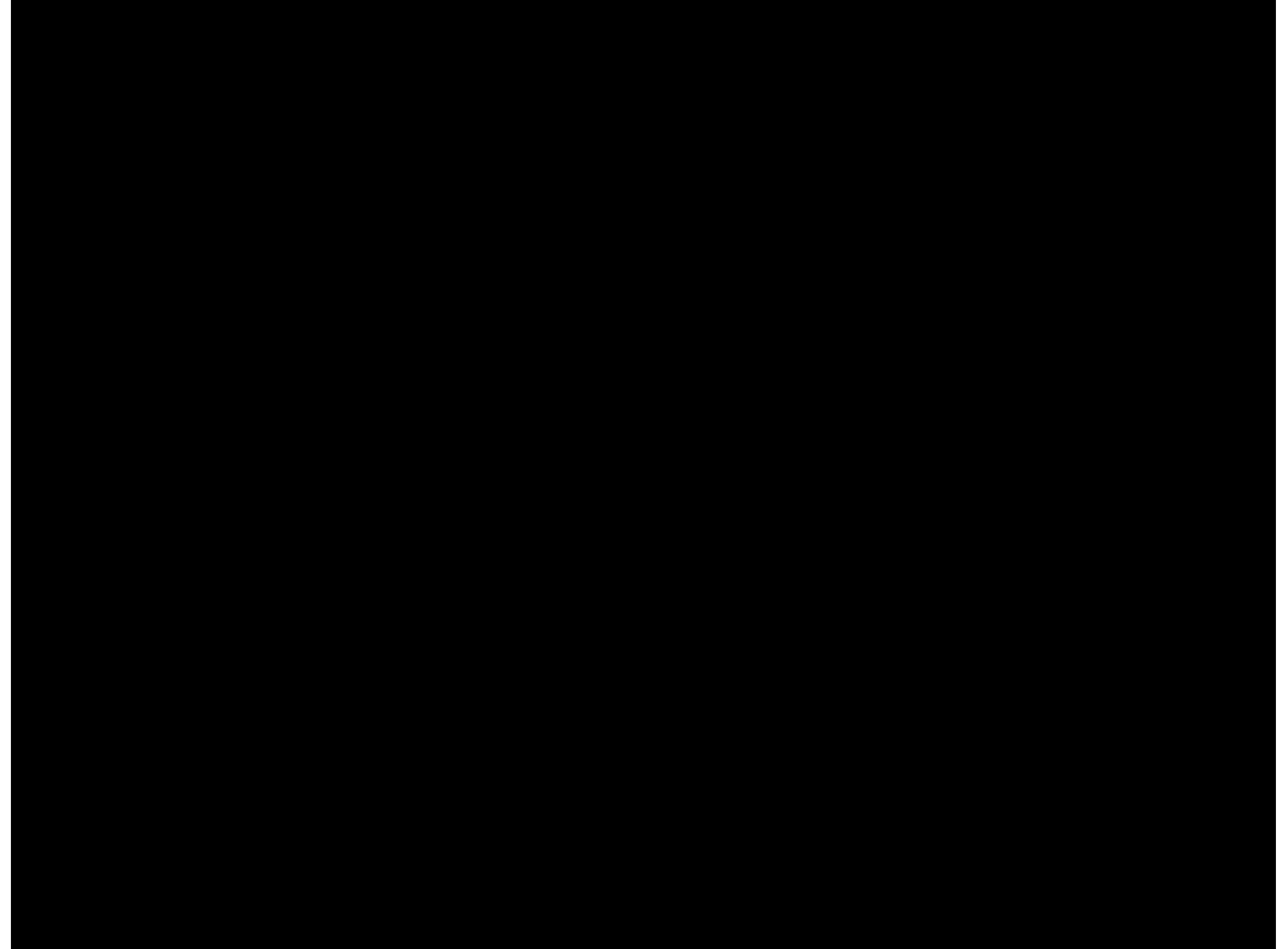
```
M = Math;
```

```
r = M.random;
```

```
x = r() * 10;
```

```
y = r() * 10;
```

```
z = M.max(x, y);
```



<http://js1k.com/2010-first/demo/635>

```
a = canvas.getContext('2d');
```

```
a.translate(x, y);
```

```
a.createLinearGradient(  
    x0, y0, x1, y1  
) ;
```

```
for (prop in a) {  
    a[  
        prop[0] + (prop[6] || ' ')  
    ] = a[prop];  
}
```

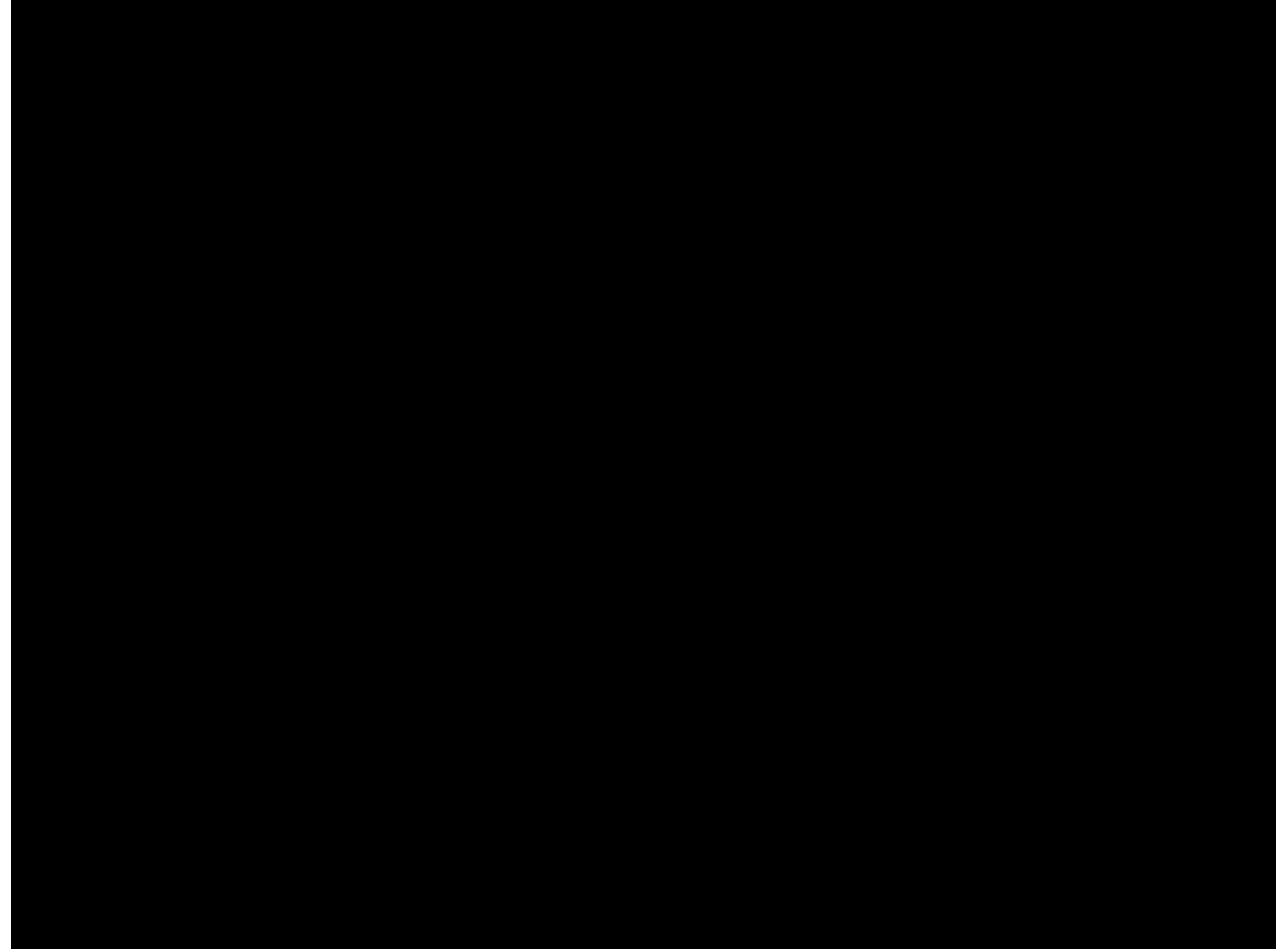
```
// translate  
// createLinearGradient
```

```
a.ta(x, y);
```

```
a.cL(x0, y0, x1, y1);
```

```
with (a) {  
    ta(x, y);  
    cL(x0, y0, x1, y1);  
}
```





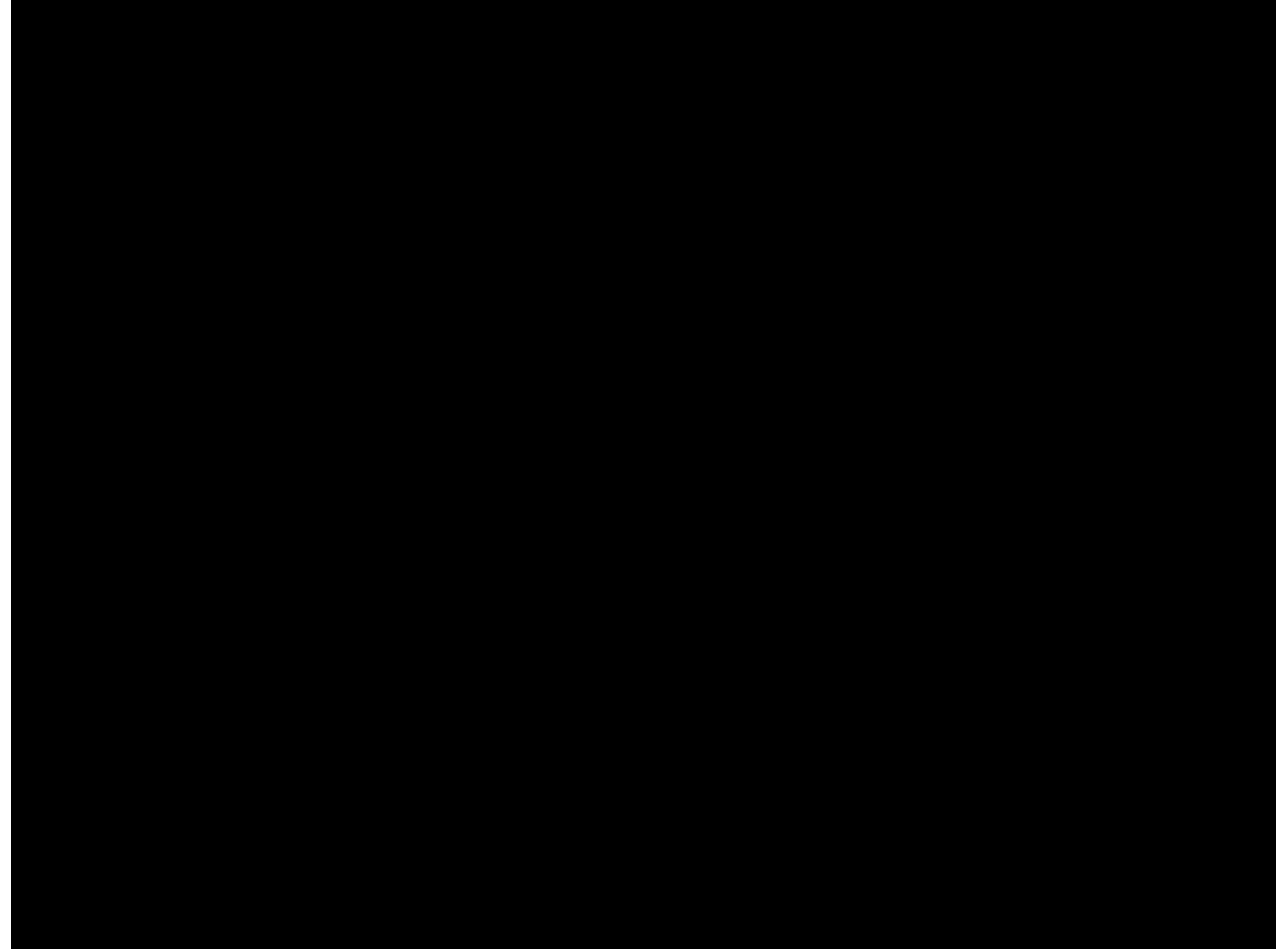
```
for (i=0; i<20; i++) {  
    a = i*2;  
    b.c();  
}
```

```
i=20; while (i--) {  
    a = i*2;  
    b.c();  
}
```

```
for (i=20; i--; )  
    a = i*2,  
    b.c();
```

```
for (i=20; i--; a = i*2)  
    b.c();
```

<code>for (a;b;) { c;d; }</code>	<code>//</code>	<code>15</code>
<code>for (a;b;) { c;d }</code>	<code>//</code>	<code>14</code>
<code>for (a;b;) c,d;</code>	<code>//</code>	<code>13</code>
<code>for (a;b;c) d;</code>	<code>//</code>	<code>12</code>



```
y = Math.floor(x) ;
```

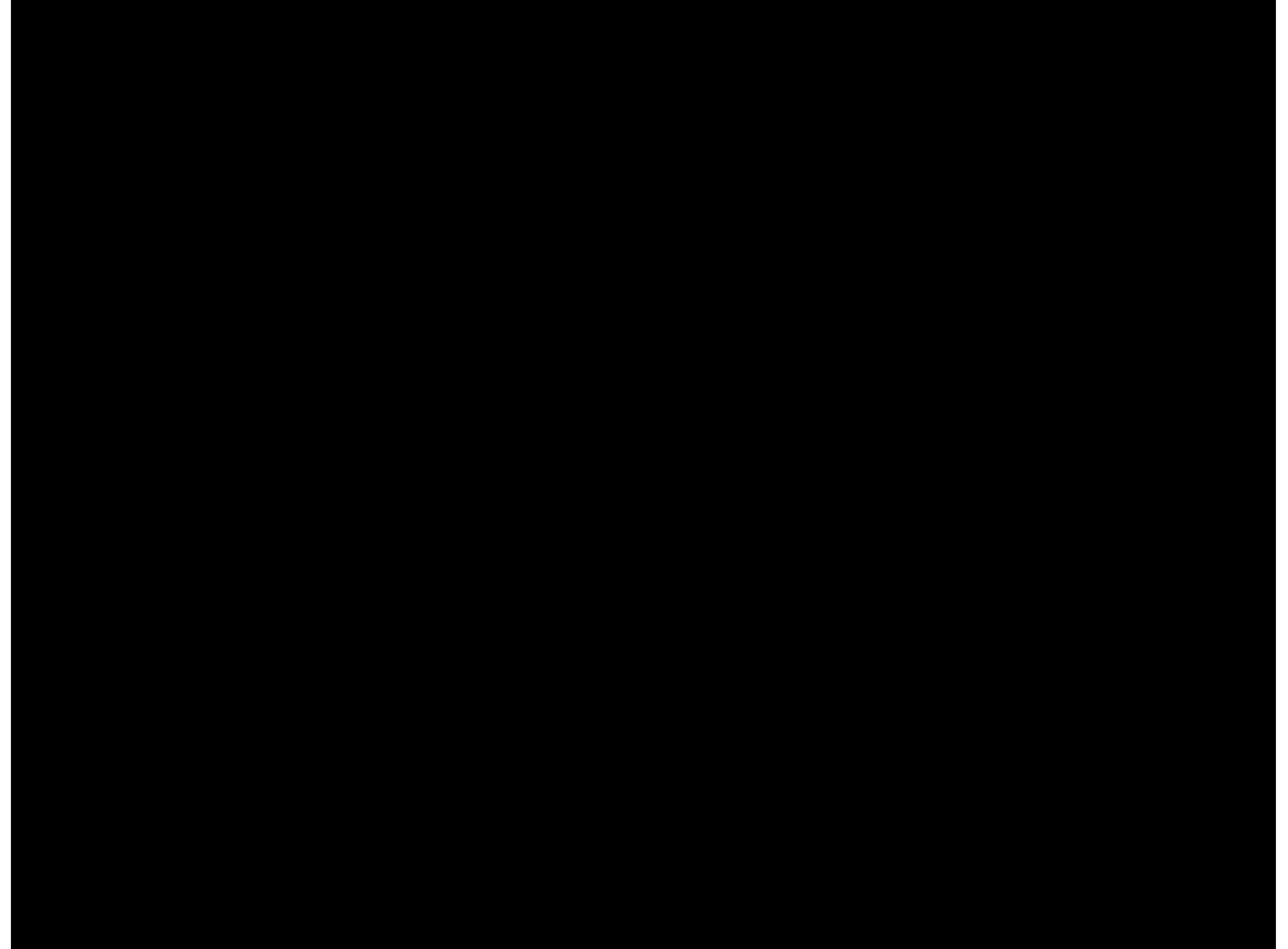


```
y = x | 0;
```

$$y = \sim \sim x;$$

```
y = Math.floor(x/2);
```

```
y = x>>1;
```



```
if (a == true) {  
    b = "TRUE";  
} else {  
    b = "FALSE";  
}
```

```
if (a) {  
    b = "TRUE";  
} else {  
    b = "FALSE";  
}
```

```
a ?  
  b = "TRUE"  
:  
  b = "FALSE"  
;
```

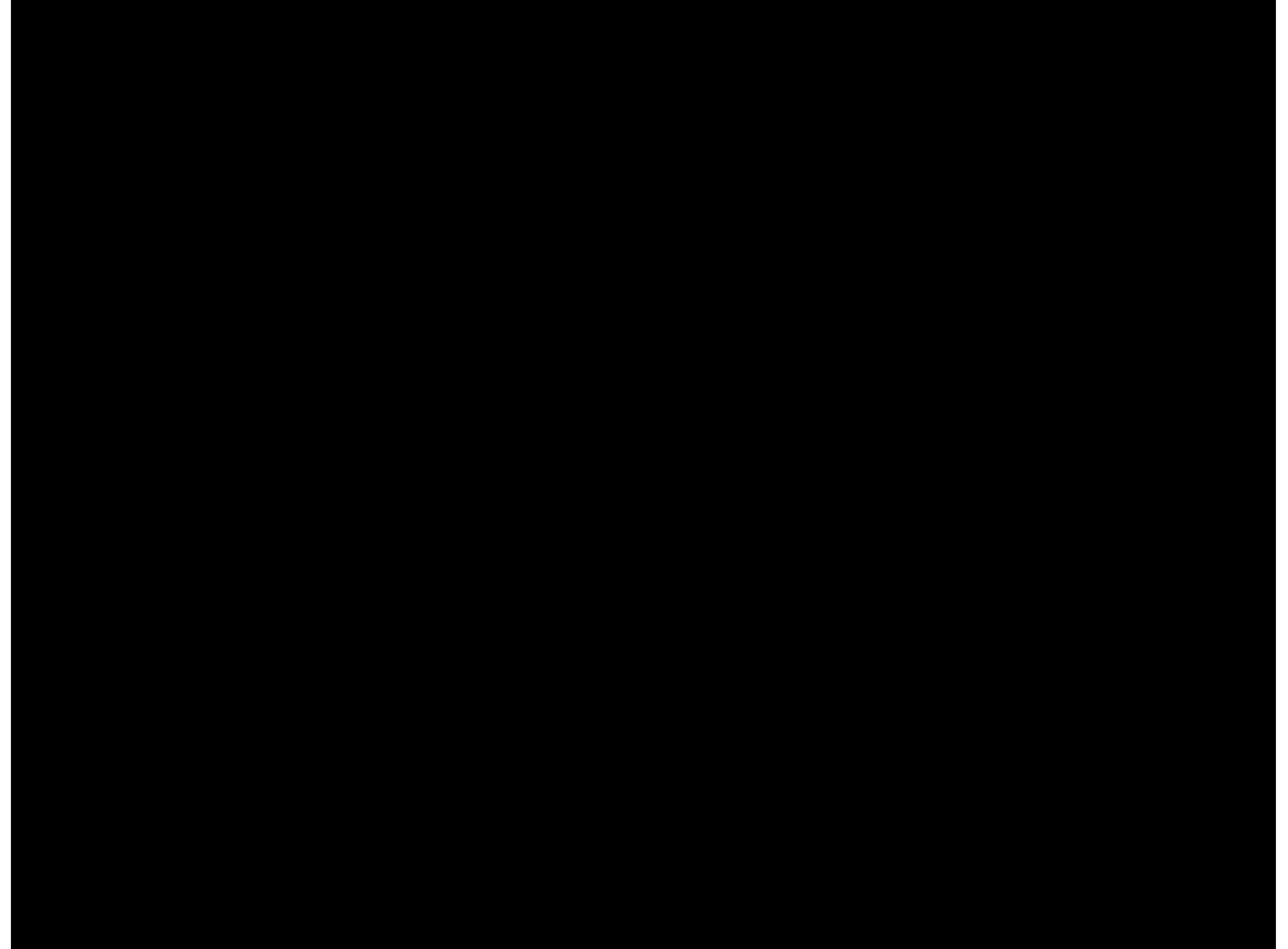


```
a ? b = "TRUE" : b = "FALSE";
```

```
b = a ? "TRUE" : "FALSE";
```

```
if (a) {  
    b ();  
}
```

a && b ( ) ;



```
a = false;
```

```
b = true;
```

```
a = !1;
```

```
b = !0;
```

a;

b = !a;



```
TRUE    = !0;
```

```
FALSE   = !1;
```

```
a  = FALSE;
```

```
b  = TRUE;
```

T = !0;

F = !1;

a = F;

b = T;

T = 1;

F = 0;

a = F;

b = T;

```
a = 0;
```

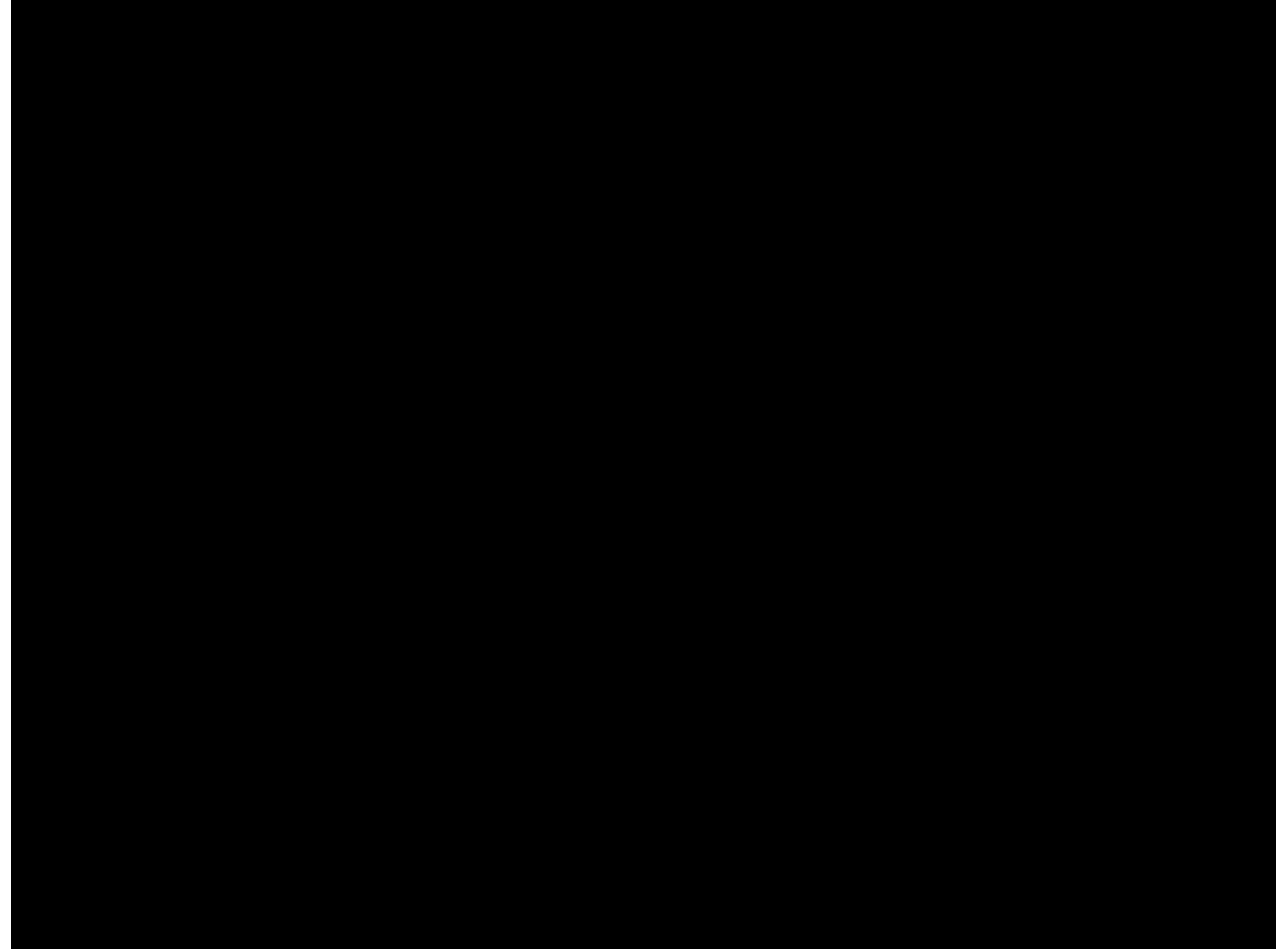
```
b = 1;
```

```
c = a.myMethod();  
d = b.myMethod();
```

```
m = "myMethod";
```

```
c = a[m] ();
```

```
d = b[m] ();
```



```
a = [1, 2];
```

```
for (i=0; i<2; i++) {  
    alert( a[i] );  
}
```

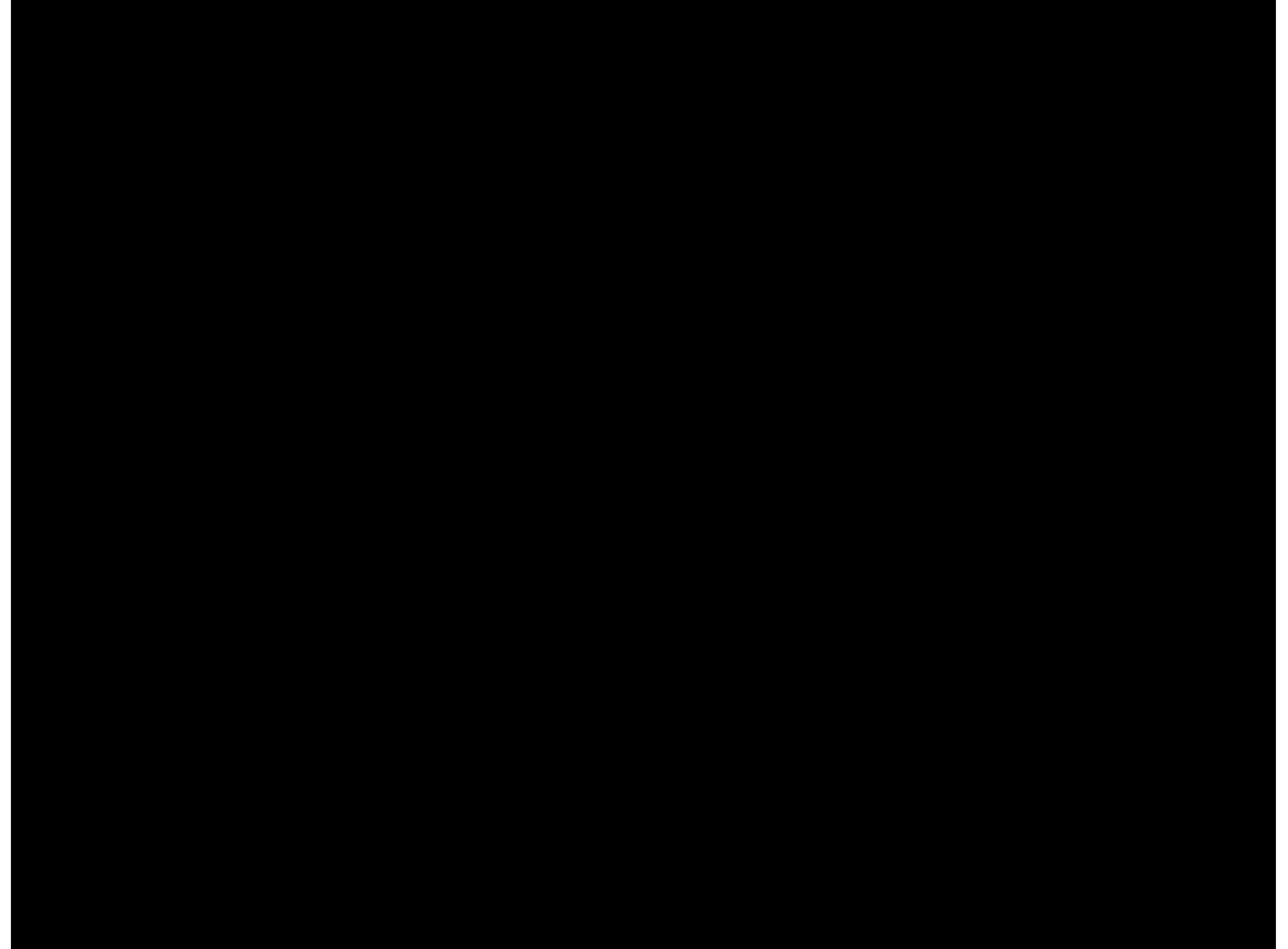


```
for (i=0; i<2; i++) {  
    alert( [1, 2][i] );  
}
```

```
["f", "oo", "_", "b", "a", "r"];
```

```
"f,oo,_b,a,r".split(",");
```

```
"f0oo0_0b0a0r".split(0);
```



```
a=0; b=[];
```

```
for (;a<20;b[a--]=1);
```

```
a=b=[];
```

```
for (;a<20;b[a--]=1);
```

```
var a;      a++;    // NaN
```



```
var a;      a++;    // NaN
```

```
var a=0;    a++;    // 1
```

```
var a="";   a++;    // 1
```

```
var a=[];   a++;    // 1
```

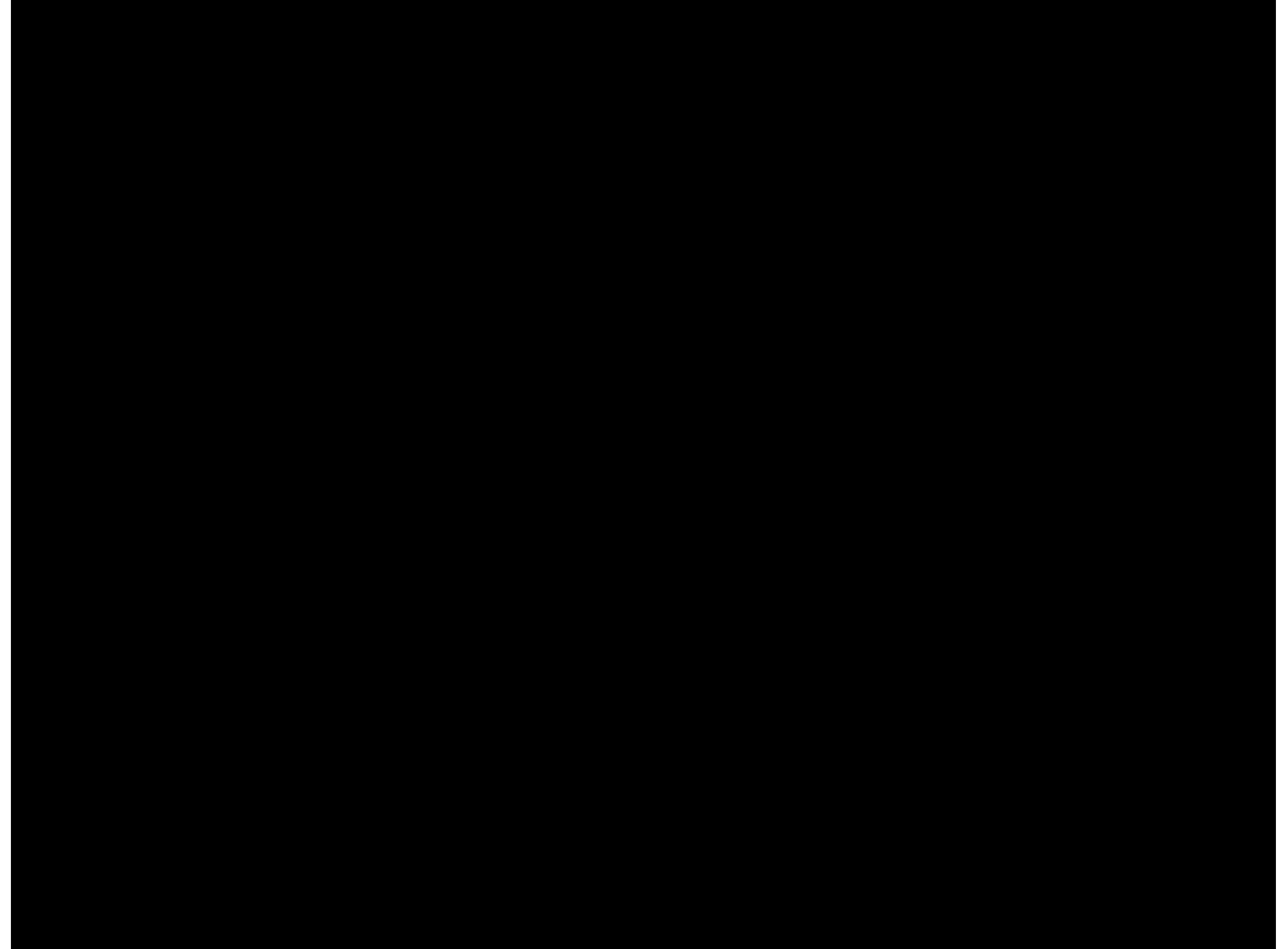
```
var a;      a++;    // NaN
```

```
var a=0;    a++;    // 1
```

```
var a="";   a++;    // 1
```

```
var a=[];   a++;    // 1
```

```
var a=[];   a=a+1;   // "1"
```



```

b="<center>",c=document,d=1,e=10,f=[],g=[],h=[],i=[],a=5;
while(a-->0)b+="

```

```

b="<center>",c=document,d=1,e=10,f=[],g=[],h=[],i=[],a=5;
      b+="<button id=C"+a+" onclick=F("+a+")></button
> ";c.write(b+"<h3 id=I></h3><button id=D onclick=D()>"),
a=52;          i[a]="<h1 style=width:2em;color:"+ (a>25&&"
red")+ ">" +String.fromCharCode([3,0,5,6][a/13|0]+9824)+"A2
3456789TJQK".split("")[a%13]+"<h6>...";D=function(){if(!(d=
!d)){a=52;          g[a]=f[a]=0}a=5;          if(!d||g[a]
){          (f[k=Math.random()*52|0]);f[k]=1,t=c.
("C"+a),t.style.opacity=1,t.          =i[k],h[a]=k+13}if(
d){l=[0,0,0,0],m=[],n=o=p=q=r=s=0,h.sort(),a=13;
m[a]=0;a=13;          m[h[a]%13]++,l[h[a]/13|0]++;a=13;w
hile(a--)j=m[a],j==2?n++:j==3?o++:j==4&&p++;a=13;
l[a]==5&&(q=1);h[4]-h[1]==3&&h[4]-h[0]==12&&q?s=8:h[4]-
h[0]==4&&q&&(s=7),a=5;          h[a]=h[a]%13+13;h.sort(),
s||(p?s=6:o&&n?s=5:q?s=4:h[4]-h[3]!=1||h[3]-h[2]!=1||h[2]
-h[1]!=1||h[1]-h[0]!=1&&h[4]-h[0]!=12?o?s=2:n==2&&(s=1):s
=3)}c.          ("D").          =d?"New Game":"Trade S
elected Cards",c.          ("I").          =(d?"You lo
se02 Pairs0Three0Straight0Flush0Full House0Four0Straight
Flush0Royal Flush".split(0)[s]+"!<h3>" + (e+=s*2):".<h3>" +
--e)+"0$",<e>e||alert("Game Over")},F=function(a){d||(c.
("C"+a).style.opacity=(g[a]!=g[a])?.3:1)},D()

```

```

b("<center>",c=document,d=1,e=10,f=[],g=[],h=[],i=[],a=5;
while(a-->)b+("<button id=C"+a+" onclick=F('"+a+"')></button
> ";c.write(b+"<h3 id=I></h3><button id=D onclick=D()>"),
a=52;while(a-->)i[a]="<h1 style=width:2em;color:"+ (a>25&&"
red")+ ">"+String.fromCharCode([3,0,5,6][a/13|0]+9824)+"A2
3456789TJQK".split("")[a%13]+ "<h6>...";D=function(){if(! (d=
!d)) {a=52;while(a-->)g[a]=f[a]=0}a=5;while(a-->)if(!d||g[a]
){while(f[k=Math.random()*52|0]);f[k]=1,t=c.getElementByIdByI
d("C"+a),t.style.opacity=1,t.innerHTML=i[k],h[a]=k+13}if(
d){l=[0,0,0,0],m=[],n=o=p=q=r=s=0,h.sort(),a=13;while(a-->)
m[a]=0;a=13;while(a-->)m[h[a]%13]++,l[h[a]/13|0]++;a=13;w
hile(a-->)j=m[a],j==2?n++:j==3?o++:j==4&&p++;a=13;while(a-
->)l[a]==5&&(q=1);h[4]-h[1]==3&&h[4]-h[0]==12&&q?s=8:h[4]-
h[0]==4&&q&&(s=7),a=5;while(a-->)h[a]=h[a]%13+13;h.sort(),
s||(p?s=6:o&&n?s=5:q?s=4:h[4]-h[3]!=1||h[3]-h[2]!=1||h[2]
-h[1]!=1||h[1]-h[0]!=1&&h[4]-h[0]!=12?o?s=2:n==2&&(s=1):s
=3)}c.getElementById("D").innerHTML=d?"New Game":"Trade S
elected Cards",c.getElementById("I").innerHTML=(d?"You lo
se02 Pairs0Three0Straight0Flush0Full House0Four0Straight
Flush0Royal Flush".split(0)[s]+ "<h3>"+ (e+=s*2):".<h3>"+
--e)+"0$ ",e||alert("Game Over")},F=function(a){d||(c.getE
lementById("C"+a).style.opacity=(g[a]!=g[a])?.3:1)},D()

```

= while(a-->)

= getElementById

= innerHTML

<http://iteral.com/js crush>

```

b="<center>",c=document,d=1,e=10,f=[],g=[],h=[],i=[],a=5;
while(a-->0)b+="<button id=C"+a+" onclick=F('"+a+"')></button> ";c.write(b+"<h3 id=I></h3><button id=D onclick=D()>"),
a=52;while(a-->0)i[a]="<h1 style=width:2em;color:"+((a>25?"red")+">"+String.fromCharCode([3,0,5,6][a/13|0]+9824)+"A23456789TJQK".split("")[a%13]+"<h6>...";D=function(){if(!d){a=52;while(a-->0)g[a]=f[a]=0;a=5;while(a-->0)if(!d||g[a]){while(f[k=Math.random()*52|0]);f[k]=1,t=c.getElementById("C"+a),t.style.opacity=1,t.innerHTML=i[k],h[a]=k+13}if(d){l=[0,0,0,0],m=[],n=o=p=q=r=s=0,h.sort(),a=13;while(a-->0)m[a]=0;a=13;while(a-->0)m[h[a]%13]++,l[h[a]/13|0]++;a=13;while(a-->0)j=m[a],j==2?n++:j==3?o++:j==4&&p++;a=13;while(a-->0)l[a]==5&&(q=1);h[4]-h[1]==3&&h[4]-h[0]==12&&q?s=8:h[4]-h[0]==4&&q&&(s=7),a=5;while(a-->0)h[a]=h[a]%13+13;h.sort(),s||(p?s=6:o&&n?s=5:q?s=4:h[4]-h[3]!=1||h[3]-h[2]!=1||h[2]-h[1]!=1||h[1]-h[0]!=1&&h[4]-h[0]!=12?o?s=2:n==2&&(s=1):s=3)}c.getElementById("D").innerHTML=d?"New Game":"Trade Selected Cards",c.getElementById("I").innerHTML=(d?"You lose02 Pairs0Three0Straight0Flush0Full House0Four0Straight Flush0Royal Flush".split(0)[s]+"<h3>"+(e+=s*2):"<h3>"+--e)+"0$",e||alert("Game Over")},F=function(a){d||(c.getElementById("C"+a).style.opacity=(g[a]!=g[a])?.3:1)},D()

```



```
a="b='<center>',c=document,d...,e.....f...g...h...i.....b+='<.....L.....F(...a
...)></...>  ';c.write(b...&3...I></h3><.....D...D()>@,...2...i...'&1 style=w
idth:2em;color:... (a>25...'red@...>...String.fromCharCode([3,...5,6
][aU+9824) ...A23456789TJQK...'@[a%...]...&6>...' ;D...BO! (d=!d)B...2...g...f
...0}.....O!d||g...Bwhile(f[k=Math.random()*52|...);f[k]...,t=...L),t...
...,t...i[k],h...k+...}OdBl=[.....,m...n=o=p=q=r=s=.....m...0;...m[V]E,l[h
...UE;...j=m...,j#2?nE:j#3?oE:j#4...pE;...l...=5...(q...);...1]#3.....=...2...q...8
:.....#4...q...(s=7),.....h...V+...;...s|| (p...6:o...n...5:q...4:...3...[3...2...[2...1...[1...
...!.....!...2?o...2:n#2...(s...):s=3)}...D@...d?'New Game':'Trade Selec
ted Cards',...I@...(d?'You lose0Two Pairs0Three...0...0Full House
0Four... ..0Royal .....0)[s]...!W(e+=s*2):'.W --e)...0$'},F...aBd|| (...
L)...=(g...!g...)? .3:1)},D()";for(b in c="W&3>.....Vh...%.....U/...|.....Oif
(...LC...a...E++...B){...@')...&<h...#==.....0,.....]-h[..... id=.....13.....'.split(...
...0].....=.....+'.....'+.....0Straight.....h.sort(),..... onclick=.....Flush.....
?s=.....a=5.....=function(.....a...3.....=[],.....&&.....)!...||h.....button......st
yle.opacity.....=1......innerHTML=.....h[4]-h[.....[a].....c.getElementB
yId('.....;while(a--)".split("..."))a=a.replace(RegExp(c[b][0]
,"g"),c[b].slice(1));eval(a)
```

~70%

```
a="b='<center>',c=document,d...,e.....f...g...h...i.....b+='<.....L.....F(...a
...)></...>  ';c.write(b...&3...I></h3><.....D...D()>@,...2...i...'&1 style=w
idth:2em;color:... (a>25...'red@...>...String.fromCharCode([3,...5,6
][aU+9824) ...A23456789TJQK...'@[a%...]...&6>...' ;D...BO! (d=!d)B...2...g...f
...0}.....O!d||g...Bwhile(f[k=Math.random()*52|...);f[k]...,t=...L),t...
...,t...i[k],h...k+...}OdBl=[.....,m...n=o=p=q=r=s=.....m...0;...m[V]E,l[h
...UE;...j=m...,j#2?nE:j#3?oE:j#4...pE;...l...=5...(q...);...1]#3.....=...2...q...8
:.....#4...q...(s=7),.....h...V+...;...s|| (p...6:o...n...5:q...4:...3...[3...2...[2...1...[1...
...!.....!...2?o...2:n#2...(s...):s=3)}...D@...d?'New Game': 'Trade Selec
ted Cards',...I@...(d?'You lose0Two Pairs0Three...0...0Full House
0Four... ..0Royal .....0)[s]...!W(e+=s*2):'.W --e)...0$'},F...aBd|| (...
L) ...=(g...!g...)? .3:1)},D()";for(b in c="W&3>.....Vh...%.....U/...|.....Oif
(...LC...a...E++...B){...@')...&<h...#==.....0,.....]-h[..... id=.....13.....'.split(...
...0].....=.....+'.....'+.....0Straight.....h.sort(),..... onclick=.....Flush.....
?s=.....a=5.....=function(.....a...3.....=[],.....&&.....)!...||h.....button......st
yle.opacity.....=1......innerHTML=.....h[4]-h[.....[a].....c.getElementB
yId('.....;while(a--)".split("..."))a=a.replace(RegExp(c[b][0]
,"g"),c[b].slice(1));eval(a)
```

140byt.es

- \* assignable, **valid** JavaScript expression
- \* no more than **140 bytes**
- \* do **not leak** to the global scope

```
function(){/**Your e  
ntry, a useful, uniq  
ue, and valid JavaSc  
ript expression that  
packs as much functi  
onality into 140 byt  
es as possible. **/}
```

```
function() { . . . . .  
  . . . . .  
  . . . . .  
  . . . . .  
  . . . . .  
  . . . . .  
  . . . . . }
```

128

```
function(a) { . . . . .  
  . . . . .  
  . . . . .  
  . . . . .  
  . . . . .  
  . . . . .  
  . . . . . return a }
```

## Examples

*	marcator	123
*	rotate3D	140
*	minesweeper	125
*	rubik	100
*	tetris	124



**base64Encode()**

```
var Base64={_keyStr:"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/=",encode:function(a){var b="",c,d,e,f,g,h,i,j=0;a=Base64._utf8_encode(a);while(j<a.length)c=a.charCodeAt(j++),d=a.charCodeAt(j++),e=a.charCodeAt(j++),f=c>>2,g=(c&3)<<4|d>>4,h=(d&15)<<2|e>>6,i=e&63,isNaN(d)?h=i=64:isNaN(e)&&(i=64),b=b+this._keyStr.charAt(f)+this._keyStr.charAt(g)+this._keyStr.charAt(h)+this._keyStr.charAt(i);return b},decode:function(a){var b="",c,d,e,f,g,h,i,j=0;a=a.replace(/[^A-Za-z0-9\+\+\=\]/g,"");while(j<a.length)f=this._keyStr.indexOf(a.charAt(j++)),g=this._keyStr.indexOf(a.charAt(j++)),h=this._keyStr.indexOf(a.charAt(j++)),i=this._keyStr.indexOf(a.charAt(j++)),c=f<<2|g>>4,d=(g&15)<<4|h>>2,e=(h&3)<<6|i,b=b+String.fromCharCode(c),h!=64&&(b=b+String.fromCharCode(d)),i!=64&&(b=b+String.fromCharCode(e));b=Base64._utf8_decode(b);return b},_utf8_encode:function(a){a=a.replace(/\r\n/g,"\n");var b="";for(var c=0;c<a.length;c++){var d=a.charCodeAt(c);d<128?b+=String.fromCharCode(d):d>127&&d<2048?(b+=String.fromCharCode(d>>6|192),b+=String.fromCharCode(d&63|128)):b+=String.fromCharCode(d>>12|224),b+=String.fromCharCode(d>>6&63|128),b+=String.fromCharCode(d&63|128)}return b},_utf8_decode:function(a){var b="",c=0,d=c1=c2=0;while(c<a.length)d=a.charCodeAt(c),d<128?(b+=String.fromCharCode(d),c++):d>191&&d<224?(c2=a.charCodeAt(c+1),b+=String.fromCharCode((d&31)<<6|c2&63),c+=2):(c2=a.charCodeAt(c+1),c3=a.charCodeAt(c+2),b+=String.fromCharCode((d&15)<<12|(c2&63)<<6|c3&63),c+=3);return b}}
```

```
var Base64={_keyStr:"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/=",encode:function(a){var b="",c,d,e,f,g,h,i,j=0;a=Base
```

```
// 1503 bytes
```

```
function(a,b,c,d,e,f
,g,h){h="";for(d=0;a
[d];h+=b[e>>2]+b[e<<
4&63|f>>4]+b[f<<2&63
|g>>6||64]+b[g&63||6
4])for(c=4;c<7;)argu
ments[c++]=a.charCod
```

```
// 158 @bytespider
```

```
function(f,e,d,g,h) {  
  for(g=0,d="";h=f.charCodeAt(g++);)d+=/.{  
    8}$/"0000000"+h.toString(2));for(g=0,h="";f=d.substr(g,6);g+=6)h+=e[parseInt(f,
```

```
// 153 @arturh
```

```
function(a,b,c,d,e,f
,g){for(g=c=e="";(d=
a.charCodeAt(g))&&(c
+=/.{8}$/ (1e7+d.toSt
ring(2))),f=c.substr
(g++*6,6);)e+=b[parse
Int(f,2)];return e}
```

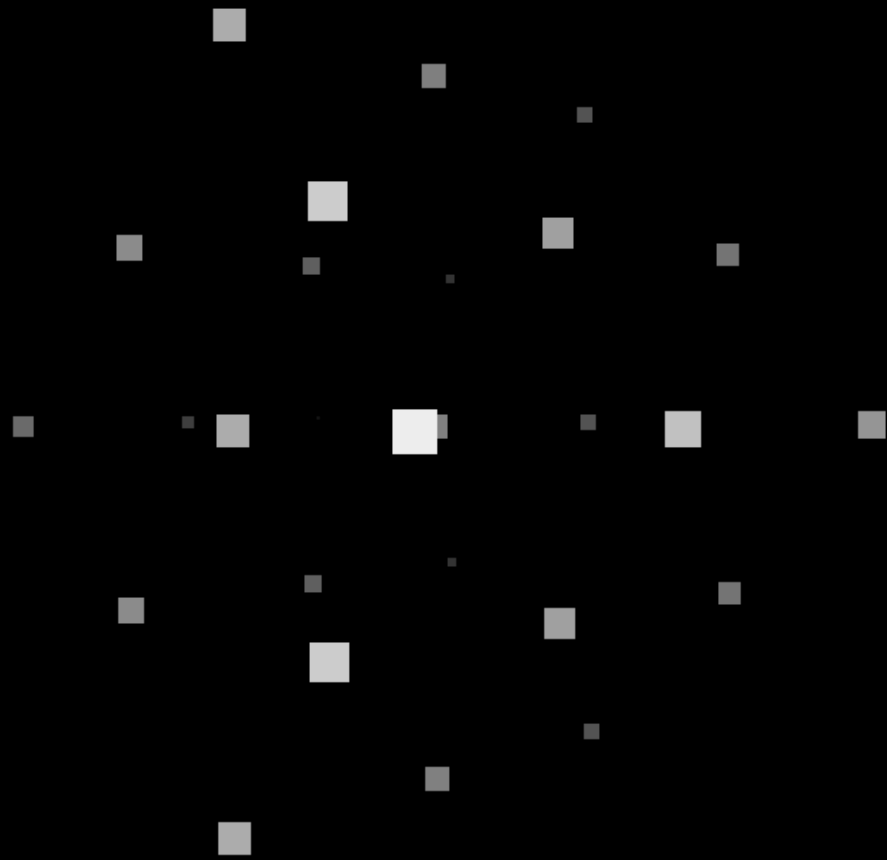
```
// 140 @aemkei
```

```
function(a,b,c,d,e,f
){for(d=f='';e&=3,a[
d++]||(b='=',e);f+=b
[63&c>>++e*2])c=c<<8
|a.charCodeAt(d-!=e)
;return f}
```

```
// sla.ckers.org
// 110 @nignag
```

rotate3D()





```
function(a,b,c,d,e,f
){var g=Math.sin,h=M
ath.cos,i=g(d)*b+h(d
)*c,j=h(e)*i-g(e)*a,
k=f/(f+j);return{x:g
(e)*i+h(e)*a*k,y:(h(
d)*b-g(d)*c)*k,z:j}}
```

```
function(a,b,c,d,e,f
){var g=Math.sin,h=M
ath.cos,i=g(d)*b+h(d
)*c,j=h(e)*i-g(e)*a,
k=f/(f+j);return{x:g
(e)*i+h(e)*a*k,y:(h(
d)*b-g(d)*c)*k,z:j}}
```

```
function(a,b,c,d,e,f
){var g=Math.sin,h=M
ath.cos,i=g(d)*b+h(d
)*c,j=h(e)*i-g(e)*a,
k=f/(f+j);return{x:g
(e)*i+h(e)*a*k,y:(h(
d)*b-g(d)*c)*k,z:j}}
```

```
function(a,b,c,d,e,f
){var g=Math.sin,h=M
ath.cos,i=g(d)*b+h(d
)*c,j=h(e)*i-g(e)*a,
k=f/(f+j);return{x:g
(e)*i+h(e)*a*k,y:(h(
d)*b-g(d)*c)*k,z:j}}
```

gameOfLife()



```
function(a,b,c,d,e) {  
  for (c=[d=b*b];d--;c[  
d]=e==3||a[d]&&e==2)  
    e=a[d-b-1]+a[d-b]+a[  
d-b+1]+a[d-1]+a[d+1]  
    +a[d+b-1]+a[d+b]+a[d  
+b+1];return c}
```



```
function(a,b,c,d,e) {  
  for (c=[d=b*b];d--;c[  
    d]=e==3 || a[d] &&e==2)  
    e=a[d-b-1]+a[d-b]+a[  
      d-b+1]+a[d-1]+a[d+1]  
      +a[d+b-1]+a[d+b]+a[d  
        +b+1];return c}
```

```
function(a,b,c,d,e) {  
  for (c=[d=b*b];d--;c[  
d]=e==3 || a[d] && e==2)  
    e=a[d-b-1]+a[d-b]+a[  
d-b+1]+a[d-1]+a[d+1]  
    +a[d+b-1]+a[d+b]+a[d  
+b+1];return c}
```

tetris()

```
function(a,b,c,d) {d+=c;return[d<0|a&b<<d?  
a=parseInt((a|b<<c).toString(d=32,b=new  
Date&2|1).replace('v',' '),d):a|b<<d,a,b,  
d]} // tweetris
```

```
function(a,b,c,d) {d+=c;return[d<0|a&b<<d?a=parseInt((a|b<<c).toString(d=32,b=new Date&2|1).replace('v',' '),d):a|b<<d,a,b,d]}
```

```
function(a,b,c,d) {d+=c;return[d<0|a&b<<d?  
a=parseInt((a|b<<c).toString(d=32,b=new  
Date&2|1).replace('v', '' ),d):a|b<<d,a,b,  
d] }
```

```
function(a,b,c,d) {d+=c;return[d<0|a&b<<d?  
a=parseInt((a|b<<c).toString(d=32,b=new  
Date&2|1).replace('v', ' '),d):a|b<<d,a,b,  
d] }
```

140byt.es



[illegible]

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