

Apéndice X
Programación en HyperTalk de la pila DIAGEN


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on opencard
    put (the number of this cd)-1 into fld "numeroalumno"
end opencard

on dibujar a,d
    repeat with t = 1 to the number of cd flds
        if the short name of cd fld t is not "resultados" then put
1 into cd fld t
    end repeat
    choose select tool
    domenu select all
    domenu clear picture
    put empty into cdant
    repeat with x = 1 to the number of lines of cd fld
"resultados"
        put word 1 of line x of cd fld "resultados" into cdactual
        if cdant<>empty then
            put word 2 of line x-1 of cd fld "resultados" into tiant
            put cd fld cdant into contant
            put the topleft of bg btn cdactual into coor2
            put cd fld cdactual + 1 into cd fld cdactual
            put cd fld cdactual into contact
            wait d
            choose oval tool
            set centered to true
            drag from (item 1 of coor1 +a*contant),(item 2 of coor1
+a*contant) to (item 1 of coor1 +tiant),(item 2 of coor1 +tiant)
            choose line tool
            set centered to false

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        drag from (item 1 of coor1 +a*contant),(item 2 of coor1
+a*contant) to (item 1 of coor2 +a*contact),(item 2 of coor2
+a*contact)
        put cdactual into cdant
        else
        put cdactual into cdant
        end if
        nd repeat
        choose browse tool
end dibujar

on ec
        repeat with t = 1 to the number of cd flds
            show cd fld t
        end repeat
end ec

on oc
        repeat with t = 1 to the number of cd flds
            hide cd fld t
        end repeat
end oc

on eb
        repeat with t = 1 to the number of bg btns
            show bg btn t
        end repeat
end eb

on ob
        repeat with t = 1 to the number of bg btns
            hide bg btn t
        end repeat
end ob

on hacertarjetas
        set userlevel to 5
        repeat
            if the number of cds < 2 then exit repeat
            go to cd 2
            domenu delete card
        end repeat
end hacertarjetas
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end repeat
put cd fld resultado into resultados
repeat with x= 1 to the number of lines of resultados
if line x of resultados is empty and line x+1 of resultados
is not empty then
    send "dibulneas" to this cd
domenu new card
contadores
domenu new field
set the name of last cd fld to "resultados"
hide last cd fld
end if
if line x of resultados is not empty then
put line x of resultados & return after cd fld "resultados"
end if
end repeat
send "dibulneas" to this cd
end hacertarjetas

on contadores
    repeat with y= 1 to the number of bg btns
    domenu new field
    set the name of last cd fld to the short name of bg btn y
    set the loc of last cd fld to the loc of bg btn y
    hide last cd fld
    end repeat
end contadores
on dibulneas a,d
    repeat with t = 1 to the number of cd flds
    if the short name of cd fld t is not "resultados" then put
1 into cd fld t
    end repeat
    put empty into cdant
    repeat with x = 1 to the number of lines of cd fld
"resultados"
        put word 1 of line x of cd fld "resultados" into cdactual
        if cdant<>empty then
        put word 2 of line x-1 of cd fld "resultados" into tiant
        put the topleft of bg btn cdant into coor1
        put cd fld cdant into contant
        put the topleft of bg btn cdactual into coor2

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```
        put cd fld cdactual + 1 into cd fld cdactual
        put cd fld cdactual into contact
        wait d
        choose line tool
        set centered to false
        drag from (item 1 of coor1 +a*contant),(item 2 of coor1
+a*contant) to (item 1 of coor2 +a*contact),(item 2 of coor2
+a*contact)
        put cdactual into cdant
        else
        put cdactual into cdant
        end if
        end repeat
        choose browse tool
    end dibulneas

    on dibucirculos a,d
        repeat with t = 1 to the number of cd flds
            if the short name of cd fld t is not "resultados" then put
1 into cd fld t
            end repeat
            put empty into cdant
            repeat with x = 1 to the number of lines of cd fld
"resultados"
                put word 1 of line x of cd fld "resultados" into cdactual
                if cdant<>empty then
                put word 2 of line x-1 of cd fld "resultados" into tiant
                put the topleft of bg btn cdant into coor1
                put cd fld cdant into contant
                put the topleft of bg btn cdactual into coor2
                put cd fld cdactual + 1 into cd fld cdactual
                put cd fld cdactual into contact
                wait d
                choose oval tool
                set centered to true
                drag from (item 1 of coor1 +a*contant),(item 2 of coor1
+a*contant) to (item 1 of coor1 +tiant),(item 2 of coor1 +tiant)
                put cdactual into cdant
                else
                put cdactual into cdant
                end if
```

```
        end repeat
        choose browse tool
    end dibucirculos

    on LimpiaPantalla
        choose select tool
        domenu select all
        domenu clear picture
        choose browse tool
    end LimpiaPantalla
```