Horner-script

```
<html>
<head>
…
<!-- math11.js / κώδικας για το σχήμα Horner ->
flag=0
function GetNumber2(form)
{         flag=0
form.txtCalcA.value="0"
form.txtCalcB.value="0"
form.txtCalcC.value="0"
form.txtCalcD.value="0"
form.txtCalcE.value="0"
form.txtCalcF.value="0"
form.txtCalcP.value="0"
form.txtResult1A.value=""
form.txtResult1B.value=""
form.txtResult1C.value=""
form.txtResult1D.value=""
form.txtResult1E.value=""
form.txtResult1F.value=""
form.txtResult1P.value=""
form.txtResult2B.value=""
form.txtResult2C.value=""
form.txtResult2D.value=""
form.txtResult2E.value=""
form.txtResult2F.value=""
form.txtResult3A.value=""
form.txtResult3B.value=""
form.txtResult3C.value=""
form.txtResult3D.value=""
form.txtResult3E.value=""
form.txtResult3F.value=""
top.frame1.document.open()
top.frame1.document.bgColor='#ff9900'
top.frame1.document.close()
}

function GetNumber1(form)
{
flag=flag+1
var nP=eval(form.txtCalcP.value)
if (flag==1) {
form.txtResult1A.value=eval(form.txtCalcA.value)
form.txtResult1B.value=eval(form.txtCalcB.value)
form.txtResult1C.value=eval(form.txtCalcC.value)
form.txtResult1D.value=eval(form.txtCalcD.value)
form.txtResult1E.value=eval(form.txtCalcE.value)
form.txtResult1F.value=eval(form.txtCalcF.value)
form.txtResult1P.value=nP
form.txtResult3A.value=form.txtCalcA.value}
```

```
if (flag==2) {
form.txtResult2B.value=eval(form.txtResult3A.value*nP)
form.txtResult3B.value=eval(eval(form.txtResult2B.value)+eval(form.txtCalcB.value))}
if (flag==3) {
form.txtResult2C.value=eval(form.txtResult3B.value*nP)
form.txtResult3C.value=eval(eval(form.txtResult2C.value)+eval(form.txtCalcC.value))}
if (flag==4) {
form.txtResult2D.value=eval(form.txtResult3C.value*nP)
form.txtResult3D.value=eval(eval(form.txtResult2D.value)+eval(form.txtCalcD.value))}
if (flag==5) {
form.txtResult2E.value=eval(form.txtResult3D.value*nP)
form.txtResult3E.value=eval(eval(form.txtResult2E.value)+eval(form.txtCalcE.value))}
if (flag==6) {
form.txtResult2F.value=eval(form.txtResult3E.value*nP)
form.txtResult3F.value=eval(eval(form.txtResult2F.value)+eval(form.txtCalcF.value))

var sbus='=> '
var bf=true
var snm

function work(snum)
{
sb=''
if (snum>0 && snum!=1)
 {sb=(bf==true)?sb+snum:sb+'+'+snum};
if (snum==1)
 {sb=(bf==true)?sb:sb+'+'};
if (snum<0 && snum!=-1)
 {sb=sb+snum};
if (snum==-1)
 {sb=sb+'-'};
bf=false
return sb
}

snm=form.txtCalcA.value
if (snm!=0) {sbus=sbus+work(snm)+"x<sup>5</sup>"}

snm=form.txtCalcB.value
if (snm!=0) {sbus=sbus+work(snm)+"x<sup>4</sup>"}

snm=form.txtCalcC.value
if (snm!=0) {sbus=sbus+work(snm)+"x<sup>3</sup>"}

snm=form.txtCalcD.value
if (snm!=0) {sbus=sbus+work(snm)+"x<sup>2</sup>"}

snm=form.txtCalcE.value
if (snm!=0) {sbus=sbus+work(snm)+"x"}

snm=form.txtCalcF.value
if (snm!=0) {sbus=sbus+work(snm)}
```

```
if (Math.abs(snm)==1) {sbus=sbus+'1'}

sbus=sbus+" = (x"

snm=-form.txtCalcP.value
sbus=sbus+work(snm)
if (Math.abs(snm)==1) {sbus=sbus+'1'}
sbus=sbus+').('

bf=true
snm=form.txtResult3A.value
if (snm!=0) {sbus=sbus+work(snm)+"x<sup>4</sup>"}

snm=form.txtResult3B.value
if (snm!=0) {sbus=sbus+work(snm)+"x<sup>3</sup>"}

snm=form.txtResult3C.value
if (snm!=0) {sbus=sbus+work(snm)+"x<sup>2</sup>"}

snm=form.txtResult3D.value
if (snm!=0) {sbus=sbus+work(snm)+"x"}

snm=form.txtResult3E.value
if (snm!=0) {sbus=sbus+work(snm)}
if (Math.abs(snm)==1) {sbus=sbus+'1'}

sbus=sbus+") "

snm=form.txtResult3F.value
sbus=sbus+work(snm)
if (Math.abs(snm)==1) {sbus=sbus+'1'}

top.frame1.document.open()
top.frame1.document.bgColor='#c0c0c0'
top.frame1.document.write("<center><font size='+2'><b>"+sbus+"</b></font></center>")
top.frame1.document.close()
}
}
…
</head>
<body>
…
ΕΙΣΑΓΩΓΗ ΔΕΔΟΜΕΝΩΝ
<FORM>
<p  align=justify><b>
<font color=0>(
<input type="text" name="txtCalcA" size=5 value="0"> x<sup>5</sup> +
<input type="text" name="txtCalcB" size=5 value="0"> x<sup>4</sup> +
<input type="text" name="txtCalcC" size=5 value="0"> x<sup>3</sup> +
<input type="text" name="txtCalcD" size=5 value="0"> x<sup>2</sup> +
<input type="text" name="txtCalcE" size=5 value="0"> x +
<input type="text" name="txtCalcF" size=5 value="0"> ) : ( x -
```

<input type="text" name="txtCalcP" size=5 value="0">)
</p>

ΕΞΑΓΩΓΗ ΔΕΔΟΜΕΝΩΝ
<input type="button" name="button1" value=" Έκτέλεση βήματος "
onclick="GetNumber1(this.form)">
<input type="button" name="button2" value=" Διαγραφή " onclick="GetNumber2(this.form)">

ΣΧΗΜΑ Horner

<table border="0" cellspacing="0" cellpadding="1">
<tr>
<td ><input type="text" name="txtResult1A" size=5 readonly></td>
<td ><input type="text" name="txtResult1B" size=5 readonly></td>
<td ><input type="text" name="txtResult1C" size=5 readonly></td>
<td ><input type="text" name="txtResult1D" size=5 readonly></td>
<td ><input type="text" name="txtResult1E" size=5 readonly></td>
<td ><input type="text" name="txtResult1F" size=5 readonly></td>
<td bgcolor=#ff0000>ρ=<input type="text" name="txtResult1P" size=5
readonly> </td>
</tr>
<tr>
<td></td>
<td ><input type="text" name="txtResult2B" size=5 readonly></td>
<td ><input type="text" name="txtResult2C" size=5 readonly></td>
<td ><input type="text" name="txtResult2D" size=5 readonly></td>
<td ><input type="text" name="txtResult2E" size=5 readonly></td>
<td ><input type="text" name="txtResult2F" size=5 readonly></td>
<td ></td>
</tr>
<tr>
<td ><input type="text" name="txtResult3A" size=5 readonly></td>
<td ><input type="text" name="txtResult3B" size=5 readonly></td>
<td ><input type="text" name="txtResult3C" size=5 readonly></td>
<td ><input type="text" name="txtResult3D" size=5 readonly></td>
<td ><input type="text" name="txtResult3E" size=5 readonly></td>
<td bgcolor=#00ff00><input type="text" name="txtResult3F" size=5 readonly><font size="+1"
face="times new roman">= υ</td>
<td ></td>
</tr>
<tr align=middle bgcolor=#d0d0d0>
<td>χ⁴</td>
<td>χ³</td>
<td>χ²</td>
<td>χ</td>
<td>σταθερός</td>
<td bgcolor=#00ff00>Υπόλοιπο</td>
</tr>
<tr align=middle>
<td colspan=5 bgcolor=#c0c0c0>Οι συντελεστές του πηλίκου</td>
<td> </td>
<td > </td>

```
</tr>
</table>
</FORM>
…
</body>
<html>
```