

**For the Document Production Unit
please go to page 8.**



UNIVERSITY of CAMBRIDGE
International Examinations

2007

INTERNATIONAL GCSE

MARKING SCHEME

MAXIMUM MARK: 100

SYLLABUS/COMPONENT: 0418/03

Information Technology

SPECIMEN PAPER

**If the name, centre number or candidate number is not printed
on every page then this page will not be awarded any marks.**

Candidate name Centre number Candidate number

Header name, candidate no, centre no 1 mark

PH	Species	Weighting	Psize	Rate
Acid	=COUNTIF(\$D\$7:\$D\$42,A2)	1.27	2	0.12
Alkaline	=COUNTIF(\$D\$7:\$D\$42,A3)	0.928	3	0.4
Neutral	=COUNTIF(\$D\$7:\$D\$42,A4)	1	4	0.795

Rate & Weighting Data entry 100% 1 mark

Code	Species	MaxSize	PH	Size	Bare	Pot	Soil	Cost
Al	=VLOOKUP(A7,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	2	0.73	=VLOOKUP(E7,PotPrice,2,1)	=IF(D7=\$A\$2,acid*F7,IF(D7=\$A\$3,alkaline*F7,neutral*F7))	=G7+H7
Al	=VLOOKUP(A8,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	3	0.95	=VLOOKUP(E8,PotPrice,2,1)	=IF(D8=\$A\$2,acid*F8,IF(D8=\$A\$3,alkaline*F8,neutral*F8))	=G8+H8
Al	=VLOOKUP(A9,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	4	1.09	=VLOOKUP(E9,PotPrice,2,1)	=IF(D9=\$A\$2,acid*F9,IF(D9=\$A\$3,alkaline*F9,neutral*F9))	=G9+H9
As	=VLOOKUP(A10,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	3	0.95	=VLOOKUP(E10,PotPrice,2,1)	=IF(D10=\$A\$2,acid*F10,IF(D10=\$A\$3,alkaline*F10,neutral*F10))	=G10+H10
As	=VLOOKUP(A11,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	4	1.09	=VLOOKUP(E11,PotPrice,2,1)	=IF(D11=\$A\$2,acid*F11,IF(D11=\$A\$3,alkaline*F11,neutral*F11))	=G11+H11
Be	=VLOOKUP(A12,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	2	0.77	=VLOOKUP(E12,PotPrice,2,1)	=IF(D12=\$A\$2,acid*F12,IF(D12=\$A\$3,alkaline*F12,neutral*F12))	=G12+H12
Be	=VLOOKUP(A13,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	3	1.2	=VLOOKUP(E13,PotPrice,2,1)	=IF(D13=\$A\$2,acid*F13,IF(D13=\$A\$3,alkaline*F13,neutral*F13))	=G13+H13
Be	=VLOOKUP(A14,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	4	1.57	=VLOOKUP(E14,PotPrice,2,1)	=IF(D14=\$A\$2,acid*F14,IF(D14=\$A\$3,alkaline*F14,neutral*F14))	=G14+H14
SB	=VLOOKUP(A15,Code!\$A\$2:\$B\$15,2,1)	3	Acid	2	0.79	=VLOOKUP(E15,PotPrice,2,1)	=IF(D15=\$A\$2,acid*F15,IF(D15=\$A\$3,alkaline*F15,neutral*F15))	=G15+H15
SB	=VLOOKUP(A16,Code!\$A\$2:\$B\$15,2,1)	3	Acid	3	1	=VLOOKUP(E16,PotPrice,2,1)	=IF(D16=\$A\$2,acid*F16,IF(D16=\$A\$3,alkaline*F16,neutral*F16))	=G16+H16
SB	=VLOOKUP(A17,Code!\$A\$2:\$B\$15,2,1)	3	Acid	4	1.1	=VLOOKUP(E17,PotPrice,2,1)	=IF(D17=\$A\$2,acid*F17,IF(D17=\$A\$3,alkaline*F17,neutral*F17))	=G17+H17
SC	=VLOOKUP(A18,Code!\$A\$2:\$B\$15,2,1)	3	Acid	2	0.8	=VLOOKUP(E18,PotPrice,2,1)	=IF(D18=\$A\$2,acid*F18,IF(D18=\$A\$3,alkaline*F18,neutral*F18))	=G18+H18
SC	=VLOOKUP(A19,Code!\$A\$2:\$B\$15,2,1)	3	Acid	3	1	=VLOOKUP(E19,PotPrice,2,1)	=IF(D19=\$A\$2,acid*F19,IF(D19=\$A\$3,alkaline*F19,neutral*F19))	=G19+H19
SC	=VLOOKUP(A20,Code!\$A\$2:\$B\$15,2,1)	2	Acid	4	1	=VLOOKUP(E20,PotPrice,2,1)	=IF(D20=\$A\$2,acid*F20,IF(D20=\$A\$3,alkaline*F20,neutral*F20))	=G20+H20

Species Lookup used 1 mark
 External file/sheet for code 1 mark
 Correct range & return column 1 mark

Pot Named range PotPrice 1 mark
 Correct Lookup formulae 1 mark

Soil Nested IF 1 mark
 Correct named cells 3 marks
 Correct formulae (3 parts) 3 marks

Li	=VLOOKUP(A25,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	2	0.87	=VLOOKUP(E24,PotPrice,2,1)	=IF(D24=\$A\$2,acid*F24,IF(D24=\$A\$3,alkaline*F24,neutral*F24))	=G24+H24
Li	=VLOOKUP(A26,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	3	1.08	=VLOOKUP(E25,PotPrice,2,1)	=IF(D25=\$A\$2,acid*F25,IF(D25=\$A\$3,alkaline*F25,neutral*F25))	=G25+H25
Li	=VLOOKUP(A27,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	4	1.44	=VLOOKUP(E26,PotPrice,2,1)	=IF(D26=\$A\$2,acid*F26,IF(D26=\$A\$3,alkaline*F26,neutral*F26))	=G26+H26
Wa	=VLOOKUP(A28,Code!\$A\$2:\$B\$15,2,1)	1	Neutral	3	2.53	=VLOOKUP(E27,PotPrice,2,1)	=IF(D27=\$A\$2,acid*F27,IF(D27=\$A\$3,alkaline*F27,neutral*F27))	=G27+H27
FM	=VLOOKUP(A29,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	2	0.75	=VLOOKUP(E28,PotPrice,2,1)	=IF(D28=\$A\$2,acid*F28,IF(D28=\$A\$3,alkaline*F28,neutral*F28))	=G28+H28
FM	=VLOOKUP(A30,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	3	0.95	=VLOOKUP(E29,PotPrice,2,1)	=IF(D29=\$A\$2,acid*F29,IF(D29=\$A\$3,alkaline*F29,neutral*F29))	=G29+H29

Replication All 4 formulae 1 mark
 Orientation Landscape & fit to page 1 mark

Cost Correct cells added 1 mark

Sy	=VLOOKUP(A33,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	2	0.73	=VLOOKUP(E33,PotPrice,2,1)	=IF(D33=\$A\$2,acid*F33,IF(D33=\$A\$3,alkaline*F33,neutral*F33))	=G33+H33
Sy	=VLOOKUP(A34,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	3	0.82	=VLOOKUP(E34,PotPrice,2,1)	=IF(D34=\$A\$2,acid*F34,IF(D34=\$A\$3,alkaline*F34,neutral*F34))	=G34+H34
Sy	=VLOOKUP(A35,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	4	0.96	=VLOOKUP(E35,PotPrice,2,1)	=IF(D35=\$A\$2,acid*F35,IF(D35=\$A\$3,alkaline*F35,neutral*F35))	=G35+H35
Wi	=VLOOKUP(A36,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	2	0.87	=VLOOKUP(E36,PotPrice,2,1)	=IF(D36=\$A\$2,acid*F36,IF(D36=\$A\$3,alkaline*F36,neutral*F36))	=G36+H36
Wi	=VLOOKUP(A37,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	3	0.96	=VLOOKUP(E37,PotPrice,2,1)	=IF(D37=\$A\$2,acid*F37,IF(D37=\$A\$3,alkaline*F37,neutral*F37))	=G37+H37
Wi	=VLOOKUP(A38,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	4	1.02	=VLOOKUP(E38,PotPrice,2,1)	=IF(D38=\$A\$2,acid*F38,IF(D38=\$A\$3,alkaline*F38,neutral*F38))	=G38+H38
Ye	=VLOOKUP(A39,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	2	3.85	=VLOOKUP(E39,PotPrice,2,1)	=IF(D39=\$A\$2,acid*F39,IF(D39=\$A\$3,alkaline*F39,neutral*F39))	=G39+H39
Ye	=VLOOKUP(A40,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	3	4.76	=VLOOKUP(E40,PotPrice,2,1)	=IF(D40=\$A\$2,acid*F40,IF(D40=\$A\$3,alkaline*F40,neutral*F40))	=G40+H40
Pp	=VLOOKUP(A41,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	3	1.09	=VLOOKUP(E41,PotPrice,2,1)	=IF(D41=\$A\$2,acid*F41,IF(D41=\$A\$3,alkaline*F41,neutral*F41))	=G41+H41
Pp	=VLOOKUP(A42,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	4	1.25	=VLOOKUP(E42,PotPrice,2,1)	=IF(D42=\$A\$2,acid*F42,IF(D42=\$A\$3,alkaline*F42,neutral*F42))	=G42+H42

Weighting 1dp 1 mark

PH	Species	Weighting	Psize	Rate
Acid		6	1.3	2
Alkaline		23	0.9	3
Neutral		7	1.0	4

Rate, Bare, Pot, Soil, Cost
2dp & Currency – sterling 1 mark

Code	Species	MaxSize	PH	Size	Bare	Pot	Soil	Cost
Al	Alder	2	Alkaline	2	£0.73	£0.12	£0.68	£0.80
Al	Alder	2	Alkaline	3	£0.95	£0.40	£0.88	£1.28
Al	Alder	2	Alkaline	4	£1.09	£0.80	£1.01	£1.81
As	Ash	3	Alkaline	3	£0.95	£0.40	£0.88	£1.28
As	Ash	3	Alkaline	4	£1.09	£0.80	£1.01	£1.81
Be	Beech	3	Alkaline	2	£0.77	£0.12	£0.71	£0.83
Be	Beech	3	Alkaline	3	£1.20	£0.40	£1.11	£1.51
Be	Beech	3	Alkaline	4	£1.57	£0.80	£1.46	£2.25
SB	Silver Birch	3	Acid	2	£0.79	£0.12	£1.00	£1.12
SB	Silver Birch	3	Acid	3	£1.00	£0.40	£1.27	£1.67
SB	Silver Birch	3	Acid	4	£1.10	£0.80	£1.40	£2.19
SC	Sweet Chestnut	3	Acid	2	£0.80	£0.12	£1.02	£1.14
SC	Sweet Chestnut	3	Acid	3	£1.00	£0.40	£1.27	£1.67
SC	Sweet Chestnut	3	Acid	4	£1.45	£0.80	£1.84	£2.64
HC	Horse Chestnut	3	Alkaline	2	£0.78	£0.12	£0.72	£0.84
HC	Horse Chestnut	3	Alkaline	3	£1.08	£0.40	£1.00	£1.40
HC	Horse Chestnut	3	Alkaline	4	£1.21	£0.80	£1.12	£1.92
Li	Lime	3	Alkaline	2	£0.87	£0.12	£0.81	£0.93
Li	Lime	3	Alkaline	3	£1.08	£0.40	£1.00	£1.40
Li	Lime	3	Alkaline	4	£1.44	£0.80	£1.34	£2.13
Wa	Walnut	1	Neutral	3	£2.53	£0.40	£2.53	£2.93
FM	Field Maple	2	Alkaline	2	£0.75	£0.12	£0.70	£0.82
FM	Field Maple	2	Alkaline	3	£0.95	£0.40	£0.88	£1.28
FM	Field Maple	2	Alkaline	4	£1.10	£0.80	£1.02	£1.82
Oa	Oak	3	Alkaline	2	£0.80	£0.12	£0.74	£0.86
Oa	Oak	3	Alkaline	3	£1.12	£0.40	£1.04	£1.44
Sy	Sycamore	2	Neutral	2	£0.73	£0.12	£0.73	£0.85
Sy	Sycamore	2	Neutral	3	£0.82	£0.40	£0.82	£1.22
Sy	Sycamore	2	Neutral	4	£0.96	£0.80	£0.96	£1.76
Wi	Willow	2	Neutral	2	£0.87	£0.12	£0.87	£0.99
Wi	Willow	2	Neutral	3	£0.96	£0.40	£0.96	£1.36
Wi	Willow	2	Neutral	4	£1.02	£0.80	£1.02	£1.82
Ye	Yew	2	Alkaline	2	£3.85	£0.12	£3.57	£3.69
Ye	Yew	2	Alkaline	3	£4.76	£0.40	£4.42	£4.82
Pp	Poplar	3	Alkaline	3	£1.09	£0.40	£1.01	£1.41
Pp	Poplar	3	Alkaline	4	£1.25	£0.80	£1.16	£1.96

Candidate name Centre number Candidate number

Step 21

Species	PH	Size	Cost
Alder	Alkaline	2	£0.80
Beech	Alkaline	2	£0.83
Horse			
Chestnut	Alkaline	2	£0.84
Lime	Alkaline	2	£0.93
Field Maple	Alkaline	2	£0.82
Oak	Alkaline	2	£0.86
Sycamore	Neutral	2	£0.85
Willow	Neutral	2	£0.99

Hidden Rows 1-5 1 mark
Columns A, C, F, G, H 1 mark
Search Cost <1 2 marks

Step 22

Species	PH	Size	Cost
Beech	Alkaline	4	£2.25
Silver Birch	Acid	4	£2.19
Sweet Chestnut	Acid	4	£2.64
Lime	Alkaline	4	£2.13

Search	Size = 4 AND Cost >2 All fields may be visible	2 marks
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STYLESHEET

h1 { color: #000080; font-family: Arial, sans-serif; font-size:36pt; text-align: Center; font-weight: bold }

h2 { color: #00FF00; font-family: Times New Roman, serif; font-size: 14pt; text-align: left }

h3 { color: #0000FF; font-family: Arial, sans-serif; font-size: 12pt; text-align: left }

li { color: #0000FF; font-family: Arial, sans-serif; font-size: 10pt; text-align: left }

p { color: #000000; font-family: Arial, sans-serif; font-size: 10pt; text-align: left }

Candidate name Centre number Candidate number

Colour	all correct	1 mark
Font	all correct	1 mark
Size	all correct – including units	1 mark
Alignment	all correct	1 mark
h1	bold	1 mark

Top left Last edited by & Name, Centre and Candidate number in style p 1 mark

Heading style h1 from stylesheet 1 mark

Table 4 rows & 2 columns 1 mark
Merge cells in row 1 1 mark
Merge cells in row 4 1 mark
Merge rows 2 & 3 in 2nd col 1 mark
Correct text in each cell 1 mark

Last edited by Candidate name, centre number, candidate number

Rootrainer Trees

Our company grows all the plants to keep down the costs to the customer.

Style h2 From stylesheet 1 mark

Plants for all soil types:

Style p From stylesheet 1 mark

- acid
- alkaline
- neutral,

Style li From stylesheet 1 mark

and for all environments:

Style p From stylesheet 1 mark

- deciduous
- coniferous
- evergreen.

Style li From stylesheet 1 mark

You can contact us in many ways.

Style h2 From stylesheet 1 mark

Through our website on-line - use our order form. By post - order our catalogue and complete the order form. By phone or fax - all contact details on this website. You can order our catalogue for a full listing of our services.

Home Page

Try Bonsai

Order Form

Style h3 From stylesheet 1 mark

Menu Contains Specimen3.TXT 1 mark
Style h2 & Border = 0 1 mark

<HTML>

<HEAD>

<TITLE>Homepage</TITLE>

<link rel="stylesheet" type="text/css" href="styles.css"

</HEAD>

<BODY>

<p>Last updated by Candidate name, Candidate number, Centre number</p>

<h1>Rootrainer Trees</h1>

<TABLE cellSpacing="5" cellPadding="3" width="100%" border=2>

<TR>

<TD colspan="2"><h2>Our company grows all the
customer.</h2></TD>

</TR>

<TR>

<TD><p>Plants for all soil types:</p>

acid

alkaline

neutral,

<p>and for all environments:</p>

deciduous

coniferous

evergreen.</TD>

<TD rowspan="2"></TD>

</TR>

<TR>

<TD><h2>You can contact us in many ways.</h2></TD>

</TR>

<TR>

<TD colspan="2"><h3>Through our website on-line - use our order form. By post - order our
catalogue and complete the order form. By phone or fax - all contact details on this website. You can
order our catalogue for a full listing of our services.</h3></TD>

</TR>

</TABLE>

<TABLE cellSpacing="0" cellPadding="0" width="600" border="0">

<TBODY>

<TR>

<TD><h2>Home Page </h2></TD>

<TD><h2>Try Bonsai</h2></TD>

<TD><h2>Order Form</h2></TD>

</TR>

</TBODY>

</TABLE>

</BODY>

</HTML>

External stylesheet attached

1 mark

Table

Cell padding 3

1 mark

Cell spacing 5

1 mark

Border 2

1 mark

Image

Height = "250"

1 mark

Hyperlink

Correct file

1 mark

Target = "_external"

1 mark

Top left NAME & No's 1 mark

Last updated by Candidate name, Candidate number, Centre number

Rootrainer Trees, ideal for bonsai

Bonsai is the ancient Japanese art of training large trees to remain small

This is done using:

- Small pots
- Root pruning
- Wiring
- Pinching out

We offer small bare rooted trees much sought after by bonsai specialists

Please see our catalogue for details



External stylesheet attached 1 mark

```
<head>
<title>Bonsai from Rootrainer</title>
<link rel="stylesheet" type="text/css" href="styles.css"
</head>
<p>Last updated by Candidate name, Candidate number, Centre number</p>
<h1>Rootrainer Trees, ideal for bonsai</h1>

<table border="0" cellpadding="0" cellspacing="0" width="800" height="300">
<tr>
<td width="220" height="300">
<h3><b>Bonsai is the ancient Japanese art of training large trees to remain small</b></h2>
<p>This is done using:</p>
<li>Small pots</li>
<li>Root pruning</li>
<li>Wiring</li>
<li>Pinching out</li>
<h3>We offer small bare rooted trees much sought after by bonsai specialists</h3>
<p>Please see our catalogue for
</td>
<td><img alt="Bonsai tree" data-bbox="317 194 570 459" width="250" height="250">
</td>
</tr>
```

Image In this cell 1 mark

Image Width 250 1 mark

Image Replaced text 1 mark

</table>

</body>

Image

Width 40

1 mark

Height 60

1 mark

Heading

Dark blue, centre aligned, 48 point

1 mark

Subheading

Dark blue, left aligned, 30 point

1 mark

Hyperlink

1 mark



Rootrainer Trees

Growing trees for you, your
children, your grandchildren ...

Candidate name &
Today's date

1

Introduce yourself and your role within the company.

Presenter notes

on all slides

1 mark

100 % Correct

1 mark

right place

1 mark

Master slide - CHECK CONSISTENCY

Logo

Tree, top right

1 mark

Page numbering

Bottom right & automated

1 mark

Name and date

bottom left

1 mark

All 3

Not overlapping text or object

1 mark

Heading	Dark blue, centre aligned, 48 point	1 mark
Top Bullets	Black, left aligned, 18 point, consistent	1 mark
Subheading	Dark blue, left aligned, 30 point	1 mark
2 nd Bullets	Black, left aligned, 18 point, consistent	1 mark

Plants for all soil types:



- 1 • Acid
- 2 • Alkaline
- 3 • Neutral

and for all environments

- 4 • Deciduous
- 5 • Coniferous
- 6 • Evergreen



Candidate name &
Today's date

2

We have offices on every continent.

Image	SPECIMEN6.jpg	1 mark
	Fills most of right side	1 mark
	No overlap	1 mark
2 nd Bullets	Black, left aligned, 18 point, consistent	1 mark
Line	Thin & dark blue	1 mark
	Vertical	1 mark

Heading
Bullets

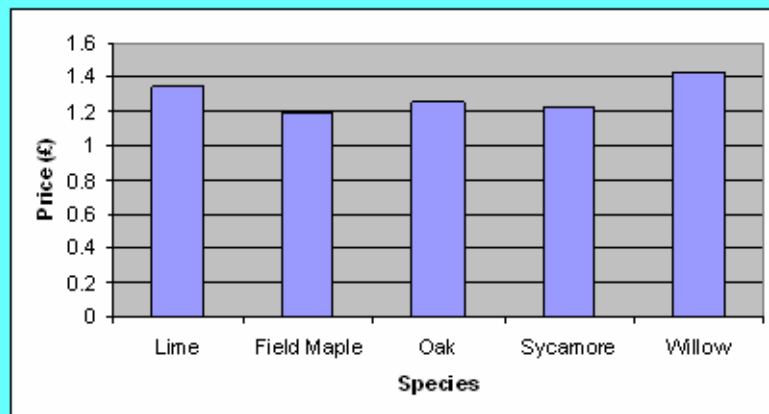
Dark blue, centre aligned, 48 point
Black, left aligned, 18 point, consistent
Consistent with slide 2

1 mark
1 mark
1 mark

Price calculation



- By formulae
- Relative to pot size
- Sample prices



Candidate name &
Today's date

3

Chart

Correct chart
Species names visible
Species label
Price (£) label
Right side

1 mark
1 mark
1 mark
1 mark
1 mark

Audience notes

Printed with space to annotate
 3 / slide

1 mark
 1 mark



Roottrainer Trees

Growing trees for you, your children, your grandchildren ...

Copyright notice to Treeco Ltd.

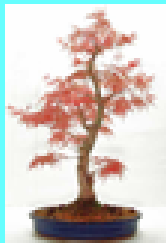


Plants for all soil types:

- Acid
- Alkaline
- Neutral

and for all environments

- Deciduous
- Coniferous
- Evergreen

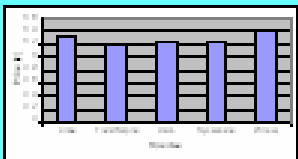


Copyright notice to Treeco Ltd.



Price calculation

- Buy formulae
- Potatoes to produce
- Sample prices



Copyright notice to Treeco Ltd.

Animation

Bullets only

2 marks

Plants for all soil types:

- 1 • Acid
- 2 • Alkaline
- 3 • Neutral

and for all environments

- 4 • Deciduous
- 5 • Coniferous
- 6 • Evergreen





Candidate name & Today's date

2

Effect: Remove

Start:

Property: Speed:

- 1 ✓ Acid
- 2 ✓ Alkaline
- 3 ✓ Neutral
- 4 ✓ Deciduous
- 5 ✓ Coniferous
- 6 ✓ Evergreen

Re-Order

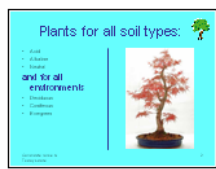
Transition

slides 2 and 3

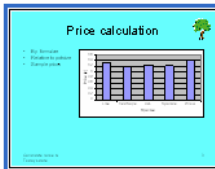
2 marks



1



2



3




Slide Transition

Apply to selected slides:

- No Transition
- Blinds Horizontal
- Blinds Vertical
- Box In
- Box Out
- Checkerboard Across
- Checkerboard Down
- Comb Horizontal
- Comb Vertical
- Cover Down**
- Cover Left
- Cover Right
- Cover Up
- Cover Left-Down
- Cover Left-Up
- Cover Right-Down

Modify transition