

## ; fc» VfUbX ']b 'C VYfVYf[ \_]fWX Yb. 'A ]``]cbYb! GWX UXYb 'Ub 'K c\b\Ai gYfb °

; fc» VfUbX`]b`C VYfVYf[\_]fWXYbž'A Ø\`XcfZ'Ua `⇒b.': Yi Yf nYfghÒfhY`a Y\fYfY`9]bZUa ]`]Yb\Ài gYfž'J Yf`YhnhY`i bX`\c\Yf GUWX gWX UXYb"



  $\label{thm:continuous} i \ bj \ Yf`Yhnh'j \ Yf`UggYb'''; \ ``ØW\_`]WXYfk \ Y]gY'k \ i \ fXYb'`YX][ ``]WX'XfY] \\ : \ Yi \ Yfk \ Y \ f\ Y`ZYf``Y]WX h'j \ Yf`Yhnh'''8 ]Y'F Ài a ``]WX_Y]hYb'XYf'j ]Yf \\ VYgWX ÀX][ \ hYb' < Ài \ gYf'g]bX''YXcWX'XYfnY]h'i \ bVYk \ c \ bVUfž'k \ Ug'X]Y \\ G]hi \ Uh]cb' ZØf'X]Y'VYhfc ZZYbYb': Ua ]`]Yb'YfgWXk Yfh''$ 

8]Y 'GUW gW ÀXYb 'g]bX 'Ybcfa 'i bX 'k YfXYb 'Ui Z'Y]bYb 'b]YXf][ Ybg]YVYbghY``][ Yb '9i fcVYhfU[ '[ YgW Àhnh" @Ui h'mU\cc"XY '\UbXY`hY Yg'g]W 'i a 'Y]b'; fc» ZYi Yfž'XYggYb '5i gVfY]hi b[ 'hfchn'XYg'[ fc» Yb 9]bgUhnYg'XYf': Yi Yfk Y\f'gW k Yf'ni 'ghcddYb'k Uf" '9g']gh'b]W h'bi f X]Y 'a UhYf]Y``Y 'NYfghÒfi b[ ž'X]Y 'X]Y '5bk c\bYf'VYXfØW\_hž'gcbXYfb Ui W 'X]Y I b[ Yk ]gg\Y]h'ØVYf'X]Y '6fUbXi fgUW Y"

## 9fa ]hh`i b[Yb'i bX'6fUbXi fgUWXY

8]Y'Dc`]nY]]bgdY\_h]cb'A Ø\`XcfZ'Ua '\Db'\Uh'VYfY]hg'YfghY
A U» bU\a Yb'Yf[ f]ZZYb"'8Yf'?f]a ]bU`XUi YfX]Ybgh'XYf
?f]a ]bU`dc`]nY]]bgdY\_h]cb'HfUi bghY]b'\Uh'X]Y'9fa ]hh`i b[ Yb
ØVYfbca a Yb"'I a 'X]Y'[ YbUi Yb'I a ghÀbXY'XYg'6fUbXYg
Ui Zni \_`ÀfYbž'UfVY]hYb'X]Y'9fa ]hh`Yf'Yb[ 'a ]h'GdYn]U`\_fÀZhYb'i bX
GUWXj YfghÀbX][ Yb'XYg'6UmYf]gWXYb'@UbXYg\_f]a ]bU`Ua hYg
ni gUa a Yb"'\DZYbh`]WXhz'XYbbcWX'[ ]Vh'Yg'XYfnY]h'\_Y]bY'< ]bk Y]gY
Ui Z'j cfgÀhn`]WXY'6fUbXgh]Zhi b[ žk ]Y'Yg'j cb'XYb'6Y\ÒfXYb'\Y]» h"

8]Y'Ub\U`hYbXYb'9fa]hh`i b[Yb'X]YbYb'XUni ž'@]W\h`]bg'8i b\_Y``ni Vf]b[Yb'i bX'X]Y'I fgUW\Yb'XYg': Yi Yfg'ni '\_`ÀfYb"'Jcb'XYf ?f]a]bU`dc`]nY]'k]fX'VYf]W\hYhž'XUgg'NØbXi fgUW\Y'i bX a Ò[`]W\Yfk Y]gY'Ui W\hYW\b]gW\Y'8YZY\_hY']b'XYf'; UfU[Y']a': c\_i g ghY\Yb"'K À\fYbX'X]Y'VYhfcZZYbYb'5bk c\bYf'i bX'X]Y : Yi Yfk Y\f`Yi hY'bcW\'a]h'XYb'BUW\k]f\_i b[Yb'XYg'6fUbXYg'ni \_Aa dZYb'\UVYbž'k]fX'X]Y': Yi Yfk Y\f']b'8Yi hgW\`UbX'k Y]hYf\]b hÀ[`]W\'ni 'Y]bYf'J]Y`nU\``j cb'9]bgÀhnYb'[Yfi ZYbž'gc'hU[&("XY"

8]Y'; Ya Y]bgW\UZh']b'CVYfVYf[\_]fW\Yb'ghY\h'bi b']b'X]YgYf gW\kYfYb'NY]h'ni gUa a Ybž'i a 'XYb'6YhfcZZYbYb'ni '\Y`ZYb'i bX'X]Y GW\ÀXYb'ni 'VYk À`h][Yb'': Øf'j ]Y`Y']gh'Yg'Y]b'GW\cW\_ž'XUgg'Y]b gc`W\Yg'I b[`ØW\_'gc'd`Òhn`]W\'ØVYf']\fY'BUW\VUfgW\UZh\YfY]bVfYW\Yb'\_Ubb"

8 Y hU]`g	
Cfh	CVYfVYf[_]fWXYbž'8Yi hgWX`UbX
EiY``Yb	• ]bbdi `g"a Y
	<ul><li>XY"bUWX f]WX hYb"mU\cc"Wca</li></ul>
	• k k k "hU[ &( "XY

6Ygi WXYb G]Y i bg Ui Z. bU[!VUmYfb"XY