## 



 $C\_U`ccgU`7cibhmž`Ib]hYX`GhUhYg`!`5g`h\Y`gW\cc``mYUf`kfUdgid`UbX`Ubh]W]dUh]cb`Z]``g`h\Y`U]fž'h\Y`7\cWhUk\UhW\YY`<][\`GW\cc`ZcchVU```hYUa`]g`[YUf]b[`id`Zcf`U`gYUgcb`h\Uh`a Ubm`VY`]YjY`Wci`XgYY`h\Ya``W\U``Yb[Y`h\Y``cb[!ghUbX]b[`Xca]bUbWY`cZ'B]WYj]``YZcchVU``"`7cUW\:fUb_`6YUg`Ym`]g`Uh`h\Y`\Y`až`\]g`YIdYf]YbWY`UbX]bg][\h`gYhh]b[`h\Y`ghU[Y`Zcf`k\Uh`ZUbg`\cdY`k]```VY`UVfYU_h\fci[\`mYUf`Zcf`h\Y`<math>\#$ X]Ubg`Uh`9h\YfYX[Y`GhUX]ia"

H\Y'ZcWU`dc]bh'Zcf'7\cWhUk 'h\]g'gYUgcb'k]``i bXci VhYX`m'VY'h\Y cZZYbg]j Y``]bYž'k\]W\ž'U`h\ci [\'mci b[ž'\Ug'g\ck b'a Uf\_YX ]a dfcj Ya Ybh'Xi f]b['gdf]b['dfUWh]WYg"'7cUW\'6YUg`Ym'\Ug  $\label{thm:continuity:continuit$ 

## ?Ym'D`UmYfg'UbX'9IdYWhUh]cbg

@UghigY UgcbžiNUVYhU\_]g'UbX'A UffUVWc'UVWci bhYX'Zcf'a cgh'cZ'h\YhYUa g'dUgg]b['mUfXgžigYhh]b['U'\][\'VUf'Zcf'&\$&) "'NUVYhU\_]g']g cb'h\Y'a YbX'Zfca 'a i `h]d`Y']b'i f]Yg'Vi h'\Ug'XYa cbghfUhYX gi VghUbh]U`'dfca ]gY'Xi f]b['h\Y'cZZgYUgcb"'A UffUVWc g'j YfgUh]`]hm Ug'Ub'Uh\`YhY'k]``'VY'Wfi W]U`'Ug'h\Y'hYUa 'bUj ][UhYg'U'W\U`Yb[]b[gW\YXi Y'h\Uh'ZYUhi fYg'X]ghf]Wh'[Ua Yg'U[U]bgh'Zcfa]XUV`Y cddcbYbhg'`]\_Y'F]W\_UfXgž: cfh'K U`hcb'6YUW\ž'UbX'5fbc`X"

Cb'h\Y'[fcibXžfibb]b['VUW\_'JcbHUj]ig'?Y``Yfž'ZfYg\'cZZ'U
VfYU\_cih'gcd\cacfY'gYUgcb']b'k\]W\'\Y'fig\YX'Zcf'U'ghU[[Yf]b[
%Ž++('mUfXg'UbX'gWcfYX'&%'hciW\Xckbgž'k]``'VY'd]jchU``Zcf'h\Y
\div X]Ub'cZZYbgY"'H][\h'YbX'Fmbc'6if\_g']g'Ubch\Yf'd`UmYf'hc'kUhW\ž\_bX]Ub'cZZYbgY"'H][\h'YbX'Fmbc'6if\_g']g'Ubch\Yf'd`UmYf'hc'kUhW\ž\_bK]b['dchYbh]U``Ug'U
fYWY]j]b['h\fYUh"'Hc[Yh\Yf'k]h\'XYZYbg]jY'ghU`kUfhg'AUf]c'UbX
9``]g'5``ckUmž'k\c'YUW\'fYWcfXYX'cjYf'+\$'hUW\_`Yg'`Ugh'gYUgcbž
h\YgY'd`UmYfg'k]``'Zcfa'h\Y'VUW\_VcbY'cZ'h\Y'hYUa'"

5XX]b['hc'h\Y'YI W]hYa Ybh'UfY'bYk 'hfUbgZYfg'8 >GdYbWY'UbX 8Yg\Uk b'G]a a cbgž'Vch\'cZ'k \ca 'UfY'YI dYWhYX'hc'Wcbhf]Vi hY dcg]h]j Y`m'hc'h\Y'&\$&) 'fcghYf"'7cUW\'6YUg`Ym'fYa U]bg'XYX]WUhYX hc'h\Y'\c`]gh]WXYj Y`cda Ybh'cZ'\]g'd`UmYfgž'Ya d\Ug]n]b['bch'4 gh Uh\`Yh]Wdfck Ygg'Vi h'U`gc'UWUXYa ]WYXi WUh]cb'UbX'YI dcgi fY'hc Wc``Y[Y'WcUW\Ygž'Ug'\Y'\Ug'gi WWYggZi ``m'\Y`dYX'gYj YfU`'Uh\`YhYg gYW' fY'd`UWYg'Uh'dfYgh][]ci g']bgh]hi h]cbg'`]\_Y'GhUbZcfX'UbX HYbbYggYY"

## $5 < ]ghcf]W6UW_[fcibX]$

8 YhU]`g	
Cfh	C_U`ccgU`7cibhmžilb]hYX`GhUhYg

8 YhU]`g	
EiY``Yb	• a ]XVUmbYk g"Wca
	• kkk"[cWXcWhUkg"Wca
	<ul><li>kkk"[Yhh\YWcUgh"Wca</li></ul>

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'a Y]b!k ]Yb "bYh