

: YghbU\a Y`Ua ; fYbnØVYf[Ub[. * &! À\f][Yf'a]h'9]bfY]gYgdYffY [YZUggh°

 $\label{lem:continuous} $$Dc^n]ghYb'XYf'; Ya Y]bgUa Yb'9]bgUhn[fiddY'CVYf`Uig]hn bU\a Yb'Y]bYb'* &!'A\f][Yb'6i`[UfYb'a]h'XfY]' < UZhVYZY\`Yb bU\Y'N]hhUi 'ZYgh''$

N]hhUi ž'8 Yi hgWX`Ub X`!`6i bXYgdc`]n]ghYb`XYf'; Ya Y]bgUa Yb
9]bgUhn[fi ddY`CVYf`Ui g]hn`\UVYb`Ua `%\$"`A Àfn`&\$&)`[Y[Yb'%).)\$
I\f`Ui Z'XYf`6`%+, b`bU\Y`N]hhUi `Y]bYb`Vi`[Uf]gWXYb
?`Y]bhfUbgdcfhYf`_cbhfc``]Yfh"`8 UVY]`YbhXYW_hYb`g]Y`Y]bYb
* &! 'À\f][Yb`6i`[UfYbžXYf`cZZYbVUf`a]h`Y]bYf`9]bfY]gYgdYffY
VY`Y[h`k Uf"`

8]Y; VYfdfØZi b['gY]bYf'DYfgcbU']Yb'Yf[UVž'XUgg'Yf'j ca @UbXfUhgUa h'GÀW\g]gW\Y'GW\kY]n!CghYfn[YV]f[Yž'XYa 5a hg[Yf]W\h'D]fbU'gck]Y'XYf'GhUXhj Yfk U'hi b['8fYgXYb'ni f : YghbU\a Y'Ui g[YgW\f]YVYb'k Uf"'9]b'k Y]hYfYf'J cfZU'`ž'XYf'nY][hž k]Y'k]W\h]['X]Y'; fYbn_cbhfc``Yb']b'X]YgYf'FY[]cb'g]bX°

8 YhU]`g	
J c f ZU``	Gcbgh][Yg
I fgUWX Y	9]bfY]gYgdYffY
Cfh	N]hhUiž8YihgWX`UbX
: YghbU\a Yb	%

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z 'b!U["XY