

## Hci f]gh'Ui g'=gfUY`']b'6Yf`]b!?fYi nVYf[ j YfdfØ[Y`hž'k Y]`'Yf'<YVfÀ]gWX 'gdfUWX



±0.6Yf`]b!?fYi nVYf[ 'k i fXY'Ua 'GUa ghU[ UVYbX'Y]b'Hci f]gh'Ui g

±gfUY`'j cb'XfY]'I bVY\_UbbhYb'Ub[ Y[ f]ZZYbž'Ub[ YV`]W\'k Y]`'Yf

<YVfÀ]gW\'gdfUW\"'8Yf'J cfZU``'YfY][ bYhY'g]W\'[ Y[ Yb'&&.%) 'I \f
Ui Z'XYa '; Y\k Y[ 'XYf'<YXYa UbbghfU» Y"'8Yf'%-!À\f][ Y'k Uf
[ Ya Y]bgUa 'a ]h'gY]bYf'%, !'À\f][ Yb'6Y[ `Y]hYf]b'ni ': i » 'i bhYfk Y[ g

D`Ohn`]W\`\]Y`h'Y]b'5i hc'a ]h'j ]Yf'A ÀbbYfb'bYVYb'XYa 'DUUf'Ub" 8fY]'XYf'\DgUggYb'gh]Y[Yb'Ui g'i bX'gdfUW\Yb'XYb'Hci f]ghYb'Ui Z 8Yi hgW\'Ub"'8U'XYf'Hci f]gh'\_Y]b'8Yi hgW\'gdf]W\hž'\_cbbhY'Yf']\fY 5bZfU[Y'b]W\h'j YfghY\Yb"'D`Ohn`]W\'k i fXY'Yf'c\bY'Jcfk Ufbi b['ni 6cXYb'[YgW\`U[Yb"'8]Y'XfY]'A ÀbbYf'gYhnhYb']\fY'5hhUW\_Y'Zcfhž ]bXYa 'g]Y'Ui Z'XYb'Ua '6cXYb'`]Y[YbXYb'Hci f]ghYb'Y]bgW\`i [Yb i bX'Y]bhfUhYb"'GW\`]Y\"\ZØW\hYhYb'g]Y'a ]h'XYa '5i hc''@Ui h Dc`]nY]'k UfYb'X]Y'5b[fY]ZYf'nk ]gW\Yb'\&\i' bX'\&' '\J\fY'U\h'

8 Yf'Ub[Y[f]ZZYbY'Hcif]gh'VY[UV'g]WX'gdÀhYf'a]h'`Y]WX hYb

J Yf`Yhnib[Yb'Ua'5fa'ibX']a'; Yg]WXh']b'Y]bY'?fUb\_Yb\Uig!

B c hUi ZbU\aY'ibX'f]YZ'X]Y'Dc`]nY]"'GY]bY'6Y[`Y]hYf]b'V`]YV

i bj Yf`Yhnh"'8]Y'Dc`]nY]'Yfa]hhY`h'Ui Z[fibX'XYf'gWXkYfYb

? OfdYfj Yf`Yhnib['ibX'dfØZhž'cV'XYf'5b[f]ZZ'Y]bYb'Ubh]gYa]h]gWXYb

<]bhYf[fibX'\Uh"

 $\label{eq:continuous} $J \ cfZ\ ``Y'k \ ]Y'X]YgYf'k \ YfZYb'Y]b'YfgWkfYW_YbXYg'@]Wkh'Ui \ Z'X]Y$ $G]WkYf\Y]h']b'XYf'< Ui dhghUXh'i bX'k \ YfZYb': fU[ Yb'ni 'XYa 'F YgdY_h i bX'XYf'Hc`YfUbn'Ui \ Z'X]Y']b'XYf'; \ YgY``gWk UZh'\YffgWkYb'gc``hYb'' 8 \ Yf'5b[ f]ZZ'Ui \ Z[ fi bX'XYf'GdfUWkY'XYg'Hci f]ghYb'[ ]Vh'5b`Ugg'ni f Gcf[ Y'i bX'i bhYfghfY]Wkh'X]Y'K ]Wkh][ _Y]hž'[ Y[ Yb'YXY': cfa 'j cb 8 ]g_f]a ]b]Yfi b[ 'i bX'; Yk U'h'j cfni [ Y\Yb''$ 

9gʻ]ghʻk ]W\h][ ž'XUggʻX]Yʻ9fa ]hhìi b[ YbʻXYgʻGhUUhggW\i hnYgʻni Y]bYa ʻgW\bY``Ybʻ9f[ YVb]gʻZØ\fYbʻi bXʻX]YʻHÀhYfʻni fʻFYW\YbgW\UZh [ Ync[ Ybʻk YfXYb"ʻ5b[ Yg]W\hgʻXYgʻk UW\gYbXYbʻ5bh]gYa ]h]ga i gʻ]b 8Yi hgW\`UbXʻ]ghʻYgʻj cbʻYbhgW\Y]XYbXYfʻ6YXYi hi b[ žʻXUggʻgc`W\Y HUhYbʻb]W\h'hc`Yf]Yfhʻk YfXYbʻi bXʻXUggʻX]Yʻ¾ XYbʻ]bʻ8Yi hgW\`UbX g]W\jg]W\YfʻZØ\`Ybʻ\_ObbYb"

8]Y; YgY``gW\UZh`U`g'; UbnYg'a i gg'Ui ZghY\Yb'i bX'[Y[Yb'Y[`]W\Y: cfa 'j cb' < Ugg'i bX'8]g\_f]a ]b]Yfi b['Y]bhfYhYb"'6Yf`]b'i bX
8 Yi hgW\`UbX'U`g'; UbnYg'gc``hYb'Y]b'Cfh'gY]bž'Ub'XYa 'g]W\
A YbgW\Yb'U``Yf'BUh]cbU`]h\AhYb'i bX'?i `hi fYb'g]W\Yf'ZØ\`Yb
\_\ObbYb"'9g']gh'k]W\h][ ž'XUgg'gc`W\Y'JcfZ\A``Y'b]W\h'bi f'9]bnY`Z\A``Y\
V`Y]VYbž'gcbXYfb'XUgg'A U» bU\a Yb'Yf[f]ZZYb'k YfXYbž'i a 'gc`W\Y

HUhYb'ni 'j Yf\]bXYfb'i bX'Jcfi fhY]`Y'UVni VUi Yb"

9g'V`Y]Vhini `\cZZYbž'XUgg'XYf'JcfZU```]b'?fYi nVYf[ 'XYf'5bghc» 'ZØf Y]bY'VfY]hYfY'8]g\_i gg]cb'ØVYf'X]Y'K YfhY'i bX'X]Y'G]W\Yf\Y]h']b'XYf ; YgY``gW\UZh']gh'i bX'XUgg'A U»bU\a Yb'Yf[ f]ZZYb'k YfXYbž'i a qc`W\Y'JcfZ\``Y']b'Ni \_i bZh'ni 'j Yf\]bXYfb"

## 8 YhU]`g

6Ygi WXYb G]Y i bg Ui Z. a Y]b!VYf `]b "bYh