

JYf_Y\fgW\Ucg`]b`A U]b!GdYggUfh. 6Ybn]b_Ub]ghYf`[Yghc\`Yb`i bX`l bZÀ``Y°

5_hi Y``Y`JcfZÀ``Y`]a '@UbX_fY]g`A U]b!GdYggUfh.'8]YVghÀ\`Yž JYf_Y\fgi bZÀ``Y'i bX`JYfXUW\h'Ui Z'8fc[Yb_cbgi a VYgW\ÀZh][Yb`X]Y`Dc`]nY]"



9f`UW 'U"A U]bž8Yi hgW `UbX'!'9]b'k U\f`]W\'Ui ZfY[YbXYg

K cW\YbYbXY']a '@UbX_fY]g'A U]b!GdYggUfh 'Jcb'Y]bYa 'XfY]ghYb

8]YVghU\``ØVYfY]bYb'JYf_Y\fgi bZU```V]g'\]b'ni 'Y]bYa 'a i hk]``][Yb

NUi bgW\UXYb' 'X]Y'6Yf]W\hY'ØVYf'JYf[Y\Yb'g]bX'j]Y`ZA`h]["'; YbUi

Ua '%) "'* b]'&\$&) 'YfY][bYhY'g]W\'Y]b']bhYfYggUbhYf'JcfZU``']b

9f`UW\'U"A U]bž'U`g'Y]b'6Ybn]b_Ub]ghYf']a 'K Yfh'j cb'Yhk U'%&\$'9i fc

j cb'Y]bYa 'GW\`Ui W\VcchVYg]hnYf'Ybhk YbXYh'k i fXY''@Ui h'a Y]bY!

bYk g"XY'nÀ\`Yb'Ui W\'NYi [Yb\]bk Y]gY'ni 'X]YgYa 'JcfZU``.'8]Y

Dc`]nY]'@c\f'ghY\h'i bhYf'XYf'HY`YZcbbi a a Yf'\$-') &#, +(%'\$

VYfY]hži a 'k Y]hYfY'\Dcfa Uh]cbYb'Ybh[Y[Ybni bY\a Yb"

9]b'k Y]hYfYf'JcfZU``'YfY][bYhY'g]W\'Ua'XUfUi ZZc`[YbXYb'HU[ž'XYa'%*"'\dagga'b]'&\$&) ž'U`g'Yg'i a''%*.&\$'I\f'Ui Z'XYf'6'&*'nk]gW\Yb'@c\f

 $\label{eq:continuous_continuous$

JUbXU`]ga i g i bX 9]bVfØWXY

±b:: fUa a YfgVUW\ k i fXY'Y]bY'=a V]ggVi XY']b'XYf'BUW\h'j cb
GUa ghU['Ui Z'GcbbhU['a i hk]``]['j Yf`Yhnhž'k Ug'Y]bYb
GW\UXYbgVYhfU['j cb'Yhk U'&\$\$'9i fc'ni f': c`[Y'\UhhY"'8Yf
; YgW\ÀX][hY'_Ubb'YVYbZU``g'Ui Z'X]Y'I bhYfghØhni b['XYf'Dc`]nY]
@c\f'nÀ\`Yb"'

5 i W '9]bVfØW Y 'a UW Y b 'X Y b '6Øf[Y fb 'Gcf[Y b . ' \pm b '? fY i nk Y fh\Y]a k i fXY ']b 'X Y f 'B UW h 'n i a '8]Y b ghU['i a '\$' . '\$' I \f']b 'Y]b'; Y gW À Zh Y]b[Y V fc W Y b ž'k c 'n Y \ b '\ c W k Y fh][Y 'A c hc fgÀ[Y b 'X Y f 'A Uf_Y Gh]\` 'Y b hk Y b X Y h 'k i fX Y b "8]Y'; Y gUa hgW À X Y b 'V Y`Ui Z Y b 'g]W 'Ui Z ZUgh' & \$"\$\$\$ '9 i fc "'8]Y 'Dc`]n Y] 'A Uf_h\Y]X Y b Z Y`X ']gh' Z Øf' <]b k Y]g Y i b h Y f 'X Y f 'H Y 'Y Z c b b i a a Y f '\$ - ' - %#, (%\$ 'Y f f Y]W \ V U f"

J Yf_Y\fgi bZÀ``Y']a ': c_i g

 $8 \ Yf'JYf_Y \ f'V'Y]Vh'k Y]hYf \]b'Y]b'Y \ Yg'H \ Ya U. 5a 'A cbhU[\check{z}'\%*" \\ \dot{z} \ b]'\&\$\&) \ \check{z} \ Ua 'Yg'nk \]gWXYb'%%. %$'I \ f'i bX'%%.' $'I \ f'ni 'Y]bYa \\ Ni gUa a Ybghc "nk]gWXYb'Y]bYa ', $! 'Å\f][Yb': U\fYf'Y]bYg'CdY'g i bX'Y]bYf'++! 'Â\f][Yb': U\fYf]b'Y]bYg'GYUhg'Ui Z'XYf'GhUUhgghfU"Y &' %&']b'9ggY'VUWX"'; 'ØW_`]WXYfk Y]gY'V`]YVYb'VY]XY': U\fYf i bj Yf'Yhnhž'Ui WX'k Ybb'X]Y'5i hcg'Yk Y]`g'Y]bYb'GWXUXYb'j cb i b[YZÅ\f'&$"$$$'9i fc'XUj cbhfi [Yb"$

Ni f'[`Y]WX Yb `HU[YgnY]h'j Yfi fgUWX hY `Y]b `i bVY_UbbhYf': U\ fYfž`XYf Y]bYb `V`Ui Yb': cfX `Di a U`VYgWX ÀX][hYž'ni gÀhn`]WX Yg'l b[Ya UWX Ui Z'Y]bYa `DUf_d`Uhn']b `A Uf_h\Y]XYbZY`X"' <]Yf'`]Y[h'Y]b'J YfXUWX h [Y[Yb `Y]bYb `Xi b_`Yb `GI J `j cf"

8fc[Yb'Ua'GhYiYf3

 $8]Y `Dc`]nY] `` Uh`Ui W `Y]bY`Xfc[YbVYX]b[hY`JYf_Y\fg_cbhfc``YXi fW [YZØ\fh":9]b`' %!^\A\f][Yf`5i hcZU\fYf`]b`A Uf_h\Y]XYbZY`XghUbX`Ua `%* "$*"&$&)`i a `%$.' $`I \f`i bhYf`XYa `JYfXUW\hž_c_U]b\U`h][Y`Gi VghUbnYb`_cbgi a]Yfh`ni `\UVYb"`8]Y`ni f`DfØZi b[Ub[YcfXbYhY`6`i hdfcVY`_\ObbhY`gW\kYfk]Y[YbXY`?cbgYei YbnYbZØf`gY]bY`: U\fYf`Ui Vb]g`\UVYbž`XUg`5i hc`a i gghY`j cf`Cfh`ghY\Yb[Y`UggYb`kYfXYb"$

8]Y'U_hi Y``Yb'9fY][b]ggY'k YfZYb'Y]b'@]W\h'Ui Z'X]Y
J Yf_Y\fgg]W\Yf\Y]hg`U[Y']b'8Yi hgW\`UbX"'@Ui h'XYf'8 YghUh]g']gh'Yg
i bUVX]b[VUfž'X]Y'I bZU``[YZU\fYb'fY[Y`a À»]['ni 'dfØZYb'i bX
YbhgdfYW\YbXY'A U» bU\a Yb'ni 'Yf[fY]ZYbž'i a 'b]W\h'bi f'X]Y
I bZU``nU\`Yb'ni 'gYb_Ybž'gcbXYfb'Ui W\'X]Y'G]W\Yf\Y]h']a
GhfU» Ybj Yf_Y\f'ni 'j YfVYggYfb"

 $8]Y'J]Y`nU``'Ub'JcfZÅ``Yb'nY][hž'XUgg'Yg']b'XYf'FY[]cb'kY]hYf\]b < YfUi gZcfXYfi b[Yb'VYnØ[`]W\'G]W\Yf\Y]hž'CfXbi b['i bX JYf_Y\fgg]W\Yf\Y]h'[]Vh'''GY]Yb'G]Y'k UW\\gUa''i bX'a Y`XYb'G]Y j YfX\AW\h][Y'6YcVUW\hi b[Yb'XYf'Dc`]nY]'''G]Y'_\ObbhY'Ui W\'\=\bYb\\Y`ZYbž'Z\Of'a Y\f'G]W\Yf\Y]h']a''5``hU['ni 'gcf[Yb''$

8 YhU]`g	
Cfh	9f`UWX`U"AU]bž8YihgWX`UbX
EiY``Yb	• k k k "a Y]bY!bYk g"XY
	• k k k "j Yf_Y\fgi bZU``g]Y[Yb"XY
	k k k "XYghUh]g"XY

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