

ARTS3452

DfcZYgg]cbU``7\]bYgY'5

GYa YghYf'CbY''##'&\$%

7ci fgY Cj Yfj]Yk

GHJZZ7cbHJWh8YHJ]`g

'7cbj Ybcfg'

B Ua Y	9a U]`	5j U]`UV]`]m	@cWJhjcb	D\cbY
M]·N\Yb[Hi YgXUmg %' \$!&.' \$da 'cf'Vm Uddc]bha Ybh	F &) ' 'A cfj Yb 6fck b 6i]`X]b[) % +\$

@YWhifYfg

B Ua Y	9a U]`	5j U]`UV]`]hm	@cWUhjcb	D\cbY
M] [·] N\Yb[m]"n\Yb[' 4 i bgk "YXi "Ui	Hi YgXUmg %'\$!&'\$da cfVm	F&) ' 'A cfj Yb 6fck b '6i l`Xlb[ľ
		Uddc]bha Ybh		

'Hi hcfg'

B Ua Y	9a U]`	5j U]`UV]`] m	@cWUhjcb	D\cbY
Mjb[`] [.] Gi b	m]b[`]"gi b4 i bgk "YXi "Ui	•	F &‱'A cfj Yb) \$(- '
			6fck b 6i] X]b[

GW.cc`7cbhUWh =bZcfa Uhlcb

GWkcc`cZ<iaUb]hJYg'UbX'@Ub[iU[Yg

@cWUhcb. GW.cc CZIWYZA cfj Yb.6fck b.6i]X]b[z'@Yj Y`&z'&),

CdYb]b[< ci fg. A cbXUm!: f]XUmž-Ua ! (.() da

D\cbY.'Ž*%'&'-',)'%*,%

: UI . Ž * % & - ' ,) ', +\$)

9a U]`. \<u>U`4 i bgk "YXi "Ui</u>

5 hhyb XUb WY F Yei] fYa Ybhg

5 'ghi XYbhi]g'Yl dYWYX'hc'UhrYbX'U```WUgg'WebhUWi\ci fg'Zcf'U'ZUWY!hc!ZUWY'fl &: Ł'cf'V`YbXYX'Wei fgY'UbX Wea d'YhY'U```UWIjj]hjYg'Zcf'U'VYbXYX'cf'Z ``mcb`]bY'Wei fgY"

5 'ghi XYbhik \c'Uff]j Yg'a cfY'h\Ub'%) 'a]bi hYg'`UhY'a UmVY'dYbU`]gYX'Zcf'bcb!UhhYbXUbW\"''=Zgi W\'U'dYbU`hm]g']a dcgYXž'h\Y'ghi XYbha i gh'VY']bZcfa YX'j YfVU``mUh'h\Y'YbX'cZWUgg'UbX'UXj]gYX']b'k f]h]b['k]h\]b'&(\ci fg"

₹Uʻghi XYbhYl dYf]YbWfgʻ]`bYggža]gUXj Ybhi fYʻcfʻch\YfʻcWW ffYbWfʻh\Uha U_YgʻUVgYbWfʻz̄ca ʻU WUgg#JWfj]hmi bUj c]XUV`Yžʻcf`Yl dYWfgʻhcʻVYʻUVgYbhZ̄ca ʻUʻZcfh\Wca]b[ˈWUgg#JWfj]hmžh\Ymg\ci `XʻgYY_ dYfa]gg]cbʻz̄ca ʻh\Yʻ7 ci fgYʻ5i h\cf]hmžʻUbXʻk \YfYʻUdd`]WUV`Yž'h\Y]fʻfYei Yghg\ci `XʻVYʻUWWca dUb]YXʻVmUb cf[[]bU`cfʻWffhZ]YX`WcdmcZUʻa YX]WU`WffhZ]WUhYʻcfʻch\Yfʻzcfa ʻcZUddfcdf]UhYʻYj]XYbWY''

5.7 ci fgY '5 i h\cf]hma UmYI W gY 'U'ghi XYbhZca 'WUggYg'cf'UWfj]hJYg'Zcf'i d'hc'cbY'a cbh\" < ck Yj Yfz'h\Ym a UmUgg][b'UXX]hJcbU``UbX#cf'U'hYfbUhJ Y'HUg_g'hc'Ybgi fY 'Wca d`]UbW''' 5.7 ci fgY '5 i h\cf]hm'Wcbg]XYf]b['th\Y [fUbhJb['cZUVgYbW'a i ghVY'gUhJgZ]YX'U'ghi XYbhk]```gh]```VY'UV'Y'hc'a YYhh\Y'Wci fgY'g'`YUfb]b['ci hWca Yg UbX#cf'j c'i a Y'cZ`YUfb]b["'5 'ghi XYbhgYY_]b['Uddfcj U``hc'VY'UVgYbhZcf'a cfY'h\Ub'cbY'a cbh\'a i gh'Udd`m]b'k f]hJb['hc'h\Y'8 YUb'UbX'dfcj]XY'U``cf][]bU``cf'Wff]Z]YX'gi ddcff]b['XcW a YbhUhJcb"

 $: cf'a\ cfY']bZcfa\ Uh]cb'UVci\ hih\ Y'UhhYbXUbWY'dfchcWc`g']b'h\ Y':\ UW\ `hmcZ5fhg'UbX'GcW]U`\\ GW]YbWYg.\ `\underline{\ 'hndg.} \#k\ k\ k''Ufhg''i\ bgk''YXi''Ui\ \#W\ ffYbHghi\ XYbhg\#UWUXYa\]W]bZcfa\ Uh]cb\#dfchcWc`g!\ [i\]XY`]bYg\#UWUXYa\]W]bZcfa\ Uh]cb#dfchcWc`g!\ [i\]XY`]bYg#UWUXYa\]W]bZcfa\ Uh]cb#dfchcWc`g!\ [i\]XY`]bYg#UWUXYa\]W]bZcfa\ Uh]cb#dfchcWc`g!\ [i\]XY`]bYg#UWUXYa\]W]bZcfa\ Uh]cb#dfchcWc`g!\ [i\]XY`]bYg#UWUXYa\]W]bYg#UWUXYa\ [i\]XY`]bYg#UWUXYa\ [i\$

5 WUXYa]W = b Zcfa Uh]cb

: cf`YggYbh]U``ghi XYbh`]bZcfa Uh]cb`fY`Uh]b['hc.`fYei Yghg`Zcf`Yl hYbg]cb/fYj]Yk 'cZa Uf_g/cWW dUh]cbU``\YU`h\
UbX`gUZYhm'Yl Ua]bUh]cb`dfcWXi fYg/gdYW]U``Wcbg]XYfUh]cb`]b'h\Y`Yj YbhcZ]``bYgg`cf`a]gUXj Ybhi fY/
ghi XYbhYei]hmUbX`X]gUV]`]hm'UbX`ch\Yf`YggYbh]U``UWUXYa]W]bZcfa Uh]cbž
gYY`\hdg.#k k k "Ufhg"i bgk "YXi "Ui #W ffYbhghi XYbhg#JWUXYa]W]bZcfa Uh]cb#dfchcWc`g![i]XY`]bYg#

7ci fgY 8YW] g

7 fYX]hDc]bhg * *

Gi a a UfmcZh\Y 7ci fgY

Gi VYWn5fYU. 7\]bYgY'Gh X]Yg

 $H\g``Wci fgY'dfcj] XYg'dfcZYgg]cbU```Yj Y``]bgffi Wf]cb']b'7 \]bYgY``Ub[i U[Y'UbX'W'`fi fY'gfi X]Yg'''6mgfi Xm]b[U'k]XY'fUb[Y'cZhYl fg'h\Uhg\ck WUgY'h\Y'i gY'UbX'Yj c`i f]cb'cZj YfbUW``Uf'7 \]bYgYžmci 'k]```Wcbh]bi Y'fc]a dfcj Y'mci f']bhY[fUhYX``Ub[i U[Y''g_]``gžYgdYW]U``mdfcZ]W]YbWm]b'`fYUX]b['UbX'kf]h]b[ž'Ug'kY``Ug'XYj Y`cd U'gYbgY'cZh\Y'\]ghcfmcZ7 \]bYgY``Ub[i U[Y'''H\Y'a YX]i a 'cZ]bghfi Wf]cb']g'7 \]bYgY''H\Y'Wci fgY'WUhYfg'Zcf ghi XYbhg'YbhYf]b['h\Y'7 \]bYgY''dfc[fUa 'Uhih\Y'dfcZygg]cbU```Yj Y``UbX'U'gc'gYfj Yg'Ug'Ub'cdh]cbU``Wci fgY Zcf'h\cgY'k \c`\Uj Y'Wca d'YhYX'5Xj UbWYX'7 \]bYgY'6'f5F HG' () %£"$

5 hh Y WcbWi g]cb cZh]g Wci fgY h Y gh XYbhk] ` VY UV Y hc

&" X]gW gg Wca d'Yl 'gi V YWra UthYfg ']b Vch\ 'gdc_Yb 'UbX'k f]thYb '7 \]bYgY

'" UbU`mgY`gcd\]gh]WUhYX`hYI hg`UbX`]XYbh]Zmj Ufm]b[```Ub[i U[Y`ghm`Yg`UbX`fY[]ghYfgž'UbX`Udd`mih\Ya``]b YZYWhj Y`Waai b]WUh]cb

("igY`UbU`mh]\W\`UbX`\\f]|h]\W\`'h\]b_]b[`g_]``g

) " YI d`U]b 'h\Y 'Yj c`i hcb 'cZ7 \]bYgY ``Ub[i U[Y

HYUWX]b[GhfUhY[]Yg

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5ggYgga Ybh'hUg_	K Y][\h	8i Y'8UHY	Gh XYbh@YUfb]b[CihWca Ygʻ5ggYggYX
6`c[#HfUbg`Uh]cb	&\$I	: f]XUmž'K YY_'&ž(<i>ž*</i> ž, ž%\$	%ž&ž(
; fci d'F YgYUfWX'DfcYWh	' \$I	<pre>=b!WUgg'DfYgYbhUh]cb'cb Hi YgXUmž'k YY_'\&\/K f]hhYb fYgYUfW\'dUdYf'Xi Y'cb : f]XUmž'k YY_'\%</pre>	%ž&Ž Ž(Ž)
Cb`]bY'Ei]n'	&\$ı	: f]XUmž'K YY_'' ž') ž'+ž'-ž‰	%ž&Ž
±b!WUgg'HYghg'	' \$1	A]X!hYfa "HYghCb K YXbYgXUmž"K YY_"+/:]bU` HYghcb"K YXbYgXUmž"k YY_ %	%3&2

5ggYgga Ybh'8YhJ]`g

5ggYgga Ybh% 6`c[#HfUbg`Uh]cb

GhUfh'XUhY.

8YHJ]`g. '6]!k YY_`m'`Ghi XYbhg`U`hYfbUhY`VYhk YYb`h\YgY`hk c`UggYgga YbhHUg_g. '%'`k f]hY`U`V`c[`f\WJ"'` \$\$ 7\]bYgY`W\UfUW\YfgE`Wca a Ybh]b[`cb`h\Y`]ggi Yg`X]gW ggYX`]b`YUW\`cZh\Y`hYI hz`cf`UXXfYgg]b[`UbmUgdYWh cZh\Y`hYI hz`Zfca ``Ub[i U[Y`ghmY`hc`f\Yhcf]Wcf`a cXYg`cZk f]h]b[/&"`Wca d`YhY`h\Y`h\Y`h\Y`h\Y`h\Y`h\Y`fUbg`Uh]cb`YI YfW]gYg gdYW]Z]YX`Uhh\Y`YbX`cZYUW\`hYI h'`: YYXVUW_j]U`]bX]j]Xi U``Wca a Ybhg`UbX`]b!WUgg`X]gW gg]cb"

5ggYgga Ybh&; fci d F YgYUfW Dfc YWh

GHJfh'XUhY.

8YHJ]`g. '₱!WUgg`dfYgYbHJhJcb'('a]bi H/g`dYf`dYfgcb'%) ı /fYgYUfW.'dUdYf`, \$\$!\&\$\$`W.UfUWHYfg`dYf dYfgcb'%) ı "`Ghi XYbhg`Zcfa ']bhc'[fci dg`VUgYX`cb'gi [[YgHYX'hcd]Wg`h\UhiUfY`YI HYbg]cbg`cZh\Y`hYI hg"'H\Ym fYgYUfW.'UbX'X]gWi gg`h\Y`hcd]Wg`hc[Yh\Yfž'Vi hYUW\`dfYgYbhg`UbX'k f]hYg`cb'cbY'dUfhicZh\Y]f`fYgYUfW." H\Ym'UfY`a Uf_YX`]bX]j]Xi U``m'': YYXVUW_j]U']bX]j]Xi U``Wca a Ybhg"'H\]g`]g`h\Y`Z]bU``UggYgga Ybh'Zcf Uh\YbXUbW'`di fdcgYg"

5ggYgga Ybh' . Cb`]bY Ei]n

GHJfh:XUhY.

8YHJ]`g. '6]!k YY_`m``Ub[i U[Y'Y|YfW]gYg'Zc``ck]b['h\Y'Wca d`Yh]cb'cZYUW\``Yggcb'hc'UggYgg'a UghYfmcZjcWUVi`Ufmž[fUa a Ufž'gYbhYbWY'dUhYfbž'Wca dfY\Ybg]cb'UbX'ch\Yf'``Ub[i U[Y'fY[]ghYfg"'A Uf_YX'cb`]bY"

5ggYgga Ybh(= 1 WUgg hYghg

GHJfh'XUhY.

 $8 \ YhJ) \ "g. "Gh XYbhg "Wca d`YhY "hk c "hYghg "fWU" "%") \ "\ ci f L"] b Wi X] b [\ "g \ cfh "UbX "cb[Yf! Ubgk Yf'ei Ygh] cbg " `A] X!$

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

Gh XYbhg UfY Yl dYWYX hc di hh\Y]f bUa Yg UbX gh XYbhbi a VYfg cb Yj YfmdU[Y cZh\Y]f Ugg][ba Ybhg"

Hi fb]h]b Gi Va]gg]cb

Imagi YbWci bhYf'U'dfcV'Ya 'k \Yb'UthYa dr]b['rc'gi Va]hmci f'Ugg][ba Ybht\fci [\'Hi fb]r]bž'd'YUgY hY'Yd\cbY'9I hYfbU'Gi ddcfhcb'-',) "''' %cf'Ya U] hYa 'cb'<u>Yl hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui"</u> "Gi ddcfh \ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY_XUmg'UbX'-.\$\$Ua '-') .\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUft'" Imai UfY'i bUV'Y 'rc'gi Va]hmci f'Ugg][ba YbhXi Y'rc'U'ZJi 'hk]h\ 'Hi fb]h]b'mci 'a UmUdd'mZcf'Ub'YI hYbg]cbž'Vi hmci a i ghfYhJ]b'mci f'h]\W_Yhbi a VYf'Zfca '9I hYfbU''Gi ddcfhfU'cb['k]h\ 'Ubmch\Yf'YYj UbhXcW a Ybhgt'rc]bWi XY'Ug'Yj]XYbW' 'rc'gi ddcfhmci f'Yl hYbg]cb'Udd']\WJhjcb"'Imai 'Ya U]''9I hYfbU''Gi ddcfhmci 'k]'`Ui hca Uh]\WJ'`mfY\W']j Y'U'h]\W_Yhbi a VYfž'Vi h]Zmci 'hY'Yd\cbY'mci 'k]'``bYYX'rc'gdY\WZ\WJ'`mUg_'Zcf'cbY'' Hi fb]h]b'U'gc'dfcj]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hYf''

; YbYfU`mž'UggYgga YbhitUg_g'a i ghVY'gi Va]hhYX'Y`YWfcb]WU``mj]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ba Ybh''=b']bghUbWfg'k \YfY'h\]g']g'bchdcgg]V`Yž']hk]```VY'ghUhYX'cb'mci f'Wci fgY'g'A ccX`Y'g]hY'k]h\U`hYfbUh]j Y'gi Va]gg]cb'XYhU]`g"

@UhY 5ggYgga Ybh'DYbU`h]Yg

5b'UggYggYX'HUg_']g'XYYa YX``UhY']Z]h']g'gi Va]hhYX'UZhYf'h\Y'gdYW]Z[YX'h]a Y'UbX'XUhY'Ug'gYhci h']b'h\Y Wci fqY'@YUfb]b['A UbU[Ya YbhGmqhYa 'f@A GŁ"

$$\label{thm:condition} \begin{split} &\text{H}^{\text{U}$$

K cf_'gi Va]hhyx'zci fhyyb'fl%(EXUmg'Uzhyf'h\y'Xi Y'XUhy'k]``VY'a Uf_YX'UbX'zYYXVUW_'dfcj]XYX'Vi hbc'a Uf_ k]``VY'fYWcfXYX"'=Zh\Y'k cf_'k ci `X'\Uj Y'fYWr]j YX'U'dUgg'a Uf_'Vi hzcf'h\Y'`UhybYgg'UbX'h\Y'k cf_']g'U Wca di `gcfm'Wci fgY'Wca dcbYbhz'U'gh XYbh'k]``VY'XYYa YX'hc'\Uj Y'a Yhih\UhfYei]fYa Ybh''H\]g'XcYg'bch Udd`mhc'U'hUg_'h\Uh']g'UggYggYX'Vi hbc'a Uf_']g'Uk UfXYX"

K cf_'gi Va]hh/X'hk YbhnlcbY'f&&XUmg'UZhYf'h\Y'Xi Y'XUhY'k]```bchVY'UWWdhYX'Zcf'a Uf_]b['cf'ZYYXVUW_UbX'k]```fYWY]j Y'bc'a Uf_'cf'[fUXY"'=Zh\Y'UggYgga YbhHUg_']g'U'Wca di `gcfmWca dcbYbhcZh\Y'Wci fgY'U gh XYbhk]```Ui hca Uh]WU``mZU]`'h\Y'Wci fgY"

GdYWJU`7cbg]XYfUhJcb55dd`]WUhJcbg

 $\label{eq:linear_continuity} $$Mc_i = W_0 - W_$

G]W_bYggža]gUXj Ybhi fY'cf'ch\Yf'W]fW a ghUbWrg'VYmcbX'mci f'Wcbhfc``a Um

ł DfYj Ybhimci Zfca Wca d`Yhlb[U.Wci fqY fYei]fYa Ybhž

ł? YYd mci Zfca 'UthYbX]b['Ub 'UggYggUV'Y 'UWnj]tmž

ł Ghod moi gi Va]hh]b['UggYggUV'Y k cf_ Zcf'U Wci fgYž

ł `G][b]Z]\WbhmUZZY\Wimci f`dYfZcfa Ub\Wf`]b`UggYggUV`Y`k cf_ž`VY`]h'U`Zcfa U``YbX!cZgYa YghYf`Yl Ua]bUh]cbž'U \WUgg`hYghz`U``UVcfUhcfmhYghz`U`gYa]bUf`dfYgYbhUh]cb`cf`Ubmch\Yf`Zcfa 'cZ`UggYgga Ybh'

5 WUXYa]W<cbYghmUbX D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b['h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b['h\Ya `Ug`mci f`ck b"'\lefi\Wb'hU_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b['hc`UVW]XYbhU`mWcdm]b['Zfca `U`gci f\W' k]h\ci hUW_bck `YX[Ya Ybh'

IBGK [fcidgdu[]uf]ga]bhch\YZc``ck]b[WuhY[cf]Yg.

7 cdm]b[.'i g]b['h\Y'gUa Y'cf'j Yfmg]a]`Uf'k cfXg'hc'h\Y'cf][]bU`hYl h'cf']XYU'k]h\ci h'UW_bck `YX[]b['h\Y gci fW'cf'i g]b['ei chUh]cb'a Uf_g"'H\]g'U`gc'Udd`]Yg'hc']a U[Ygž'Ufh'UbX'XYg][b'dfcYWhgž'Ug'k Y``'Ug dfYgYbhUh]cbg'k \YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k]h\ci h'WfYX]h'

±DUddfcdf]UhY`dUfUd\fUg]b[.'W\Ub[]b['U'ZYk'kcfXg'UbX'd\fUgYg'k\]`Y`acghmfYhJ]b]b['h\Y`cf][]bU`ghfi WhifY`UbX`]bZcfaUh]cb`k]h\ci hUW_bck`YX[YaYbh'H\]g'U`gc'Udd`]Yg`]b'dfYgYbhUh]cbg'k\YfY`gcaYcbYdUfUd\fUgYg`Ubch\Yf'g`]XYUg`cf'kcfXg'k]h\ci hWfYX]h''±iU`gc'Udd`]Yg`hc'd]YW]b['hc[Yh\Yf'ei chYg'UbXdUfUd\fUgYg`]bhc'U'bYk'k\c`Yžk]h\ci hfYZ/fYbW]b['UbX'U'ghi XYbh'g`ck b'UbU`mg]g`hc'Vf]b['h\Y`aUhYf]U`hc[Yh\Yf''

7 c``i g]cb. 'k cf_]b['k]h\ 'ch\ Yfg'Vi h'dUgg]b['c\Z'h\ Y 'k cf_'Ug'U'dYfgcb'g']b\X]j]\Xi U``k cf_"'7 c``i g]cb'U`gc]b\Wi XYg'dfcj]\X]b['mci f'k cf_'hc'Ubch\ Yf'ghi XYbh\ VYZcfY'h\ Y 'Xi Y 'XUhYzcf'Zcf'h\ Y' di fdcgY'cZh\ Ya d`U[]\Uf]g]b['Uh\Ubmh]a Yz'dUm]b['Ubch\ Yf'dYfgcb'hc'dYfZcfa 'Ub'U\WUXYa]\Wh\Ug_z'ghYU']b['cf'U\\ello i]f]b[Ubch\ Yf'dYfgcb'g' U\WUXYa]\Wk cf_'Ub\X'\ello dm]b[']hz'c\ZYf]b['hc'\\ello a d`YhY'Ubch\ Yf'dYfgcb'g' k cf_'cf'gYY_]b[d\una Ybh\Zcf'\\ello a d`Yh\beta d`Y

±bUddfcdf]UhY`W]hUh]cb.`7]h]b[ˈgci fW/gˈk \]WX`\Uj Y`bchVYYb`fYUXžk]h\ci hUW_bck`YX[]b[ˈh\Y`″gYWcbXUfm″gci fW/Zfca k \]WX_bck`YX[Y`cZh\Ya`\Ug'VYYb`cVhU]bYX"

8 i d`]\WUh]cb`ff`gY`Zld`U[]\Uf]ga "Ł`gi Va]\h]b[`mci f`ck b`k cf_ž]b`k \c`Y`cf`]b`dUfhžk \YfY`]h`\Ug`dfYj]ci g`m VYYb`dfYdUfYX`cf`gi Va]\hYX`Zcf`Ubch\Yf`UqqYqqa Ybhcf\Wci fgY`UhI_BGK_`cf`Ubch\Yf`i b]\Yfq]\m"

7 cffYWhfYZYfYbWb[dfUWhWyg.

• VYHYfa UbU[Ymcifh]a Y

7ci fgY GWX YXi `Y

J]Yk WUgg ha YhUV Y

H]a YHJV`Y

8 UHY	HmdY	7cbh/bh		
K YY_'%'&*': YVfi Ufm'!'(@YWhifY	±blfcXi Wjcb"		
A UfVX				
		F YUX]b[g.		
V	-> () N// - O (
K YY_'&.') 'A UfVX'!'%% A UfVX	@YWhifY	"'7i`hifU`#Ghm]gh]Wg`6UW_[fcibX/ žFYUX]b[g`		
	Hi hcf]U`	п		
K YY_" ."&"A UfVX"!"% A UfVX	@YWnifY	7 i `hi fu``6UW[fci bX"/ /F YUX]b[g. ž		
	Hi hcf]U`	/		
K YY_^(.^%-^A UfWX^!^&) A UfWX	@YWn fY	"'7 i `hi fU`#<]ghcf]WU`'6UW_[fci bX//fYUX]b[g.		
	Hi hcf]U`			
K YY_")."&*"A UfW\"!"% 5df]"	@YWhifY	7 i 'hi fu` '6 UW_[fci bX'/ 'V'c['Wta a Ybh' / F YUX]b[g. '/ '		
	Hi hcf]U`			
6fYU^&^5df]^!^, ^5df]^				
K YY_'*.'-'5df]`'!'%)'5df]`	@YWhifY	"'7i 'hi fU''/ 'GcWJU' 6UW_[fci bX/ /F YUX]b[g. '		
	Hi hcf]U`	п		
K YY_`+.`%*`5df]``!`&& 5df]`	@YWhifY	7 i `h' fu`#]ghcf]Wu``6UW_[fci bX/' / F YUX]b[g. ' ž'		
	Hi hcf]U`	/ˈHYgh%		
K_YY', .`&' `5df]``!`&- 5df]`	@YWifY	"'7i 'hi fU'7 'GcWJU' 6UW_[fci bX/F YUX]b[g."		
	Hi hcf]U`	5bnUW8Umžbc'hi hcf]U`"'Ghi XYbhg'hc'k f]hY'h\Y'V`c['Uh \ca Y"		
K YY_''' \$'5df]`'!'*'A Um	@YWhifY	"·F YUX]b[g. ž		
	Hi hcf]U`	HYgh%: YYXVUW_		
K_YY_'%\$.'+'A_Um'!'%	@YWhifY	"7i `hi fU`*k]ghcf]WU`		
A Um		6UW[fci bX"'F YUX]b[g."		
	Hi hcf]U`	·		
K YY_'%%' %('A Um'! '&\$ A Um	@YWn fY	/Ghi XYbh ‰ < [g.		