

7ci fgY^{*}Cj Yfj]Yk

GHJZZ:7cbHJWhi8YHJ]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
7 UM `YYb '>]b	WUh\`YYb"1jb4 i bgk "YXi "Ui	VmUddc]bha Ybh cb`m		

Hi hcfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
FiVmMJb[Vc"mUb[%4 i bgk "YXi "Ui	VmUddc]bha Ybh cb`m		-

GWXcc`7cbHJWhi±bZcfa Uhjcb

GWkcc``cZ9Xi WUHcb 5fhgz8Yg][b'UbX'5fWk]HYWhfY

; fci bX': `ccfž'A cfj Yb'6fck b'6i]`X]b['fl &\$Ł

H. 'Ž * %'f&Ł'-',) '%-++

9. YXi WUhcb4 i bgk "YXi "Ui

Κ.

5W_bck `YX[Ya YbhcZ7ci bhfm

I BGK '5frgž8Yg][b'UbX'5fW,]hYWi fY'? Ybg]b[hcb'UbX'DUXX]b[hcb'Wa di gYg'UfY'Vi]'hcb'5Vcf][]bU`@UbXg"'K Y'dUmci f'fYgdYWg'hc'h,Y'6]X'][U''UbX'; UX][U''dYcd'Yg'k \c'UfY'h,Y'7 i ghcX]Ubg'cZh,YgY'`UbXg" K Y'UW_bck `YX[Y'h,Y'5Vcf][]bU`'UbX'HcffYg'GhfU]h=g`UbXYf'dYcd'Ygž'h,Y':]fghi5i ghfU`]Ubgžk \cgY'`UbXgž k]bXg'UbX'k UhYfg'k Y'U``'bck 'g\UfYž'UbX'dUmfYgdYWhc'h,Y]f'i b]ei Y'j U'i Ygž'UbX'h,Y]f'Wbh]bi]b['UbX YbXi f]b['W' h fYg'k \]W. XYYYdYb'UbX'Ybf]W. h,Y'`]ZY'cZci f'bUh]cb'UbX'Wca a i b]h]Yg"''

 $\label{eq:continuous} \begin{array}{ll} \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY'``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY'``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY'``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY'``cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY'```cf' = bX][Ybci g'] \\ \text{$:$} = \text{$U[Y'Wc$ if} \text{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY'C$ $Z_jWY'CAY}, Y'Dfc'J]WY'C$ $Z_jWY'CAY}, Y'Dfc'J]WY'C$ $Z_jWY'CAY}, Y'Dfc'J]WY'C$ $Z_jWY'CAY}, Y$

7ci fgY 8YW]`g
lb]hg~cZ7fYX]h~

K cf_`cUX

%) \$`\ci fg`]bWi X]b[`WUgg`WcbHUWfi\ci fgž`fYUX]b[gž`WUgg`dfYdUfUh]cbž`UggYgga Ybhž`Zc``ck`i d`UWf]j]h]Ygž YHW

Gi a a UfmcZ'h\Y'7ci fgY

	<u> </u>

8i Y'XUhY. %(#\$, #&\$&&`\$) .\$\$`DA

I g]b['h\Y'gWcdY'UbX'gYei YbW'dfYdUfYX'Zcf'5ggYgga Ybh%'UbX'h\Y'ZYYXVUW_'fYW']j YXž'dfYdUfY'U'i b]hcZkcf_Zcf'GHJ[Y'*'k\]W. Wcj Yfg'Uddfcl]a UhY`m\U`Zh\Y'hYfa "'\±bX]WUh]j Y``Yb[h\.'' \$\$\$'k cfXg"

5 ZYYXVUW_g\YYhk]``VY dfcj]XYX"

5XX]h]cbU`XYhJ]`g

DfYdUfY`U`i b]hcZk cf_`Zcf`MYUf`%&`7 cbf]bi Yfg`C F `6Y[]bbYfg`< G7 `Wci fgY"`Mci `bYYX`hc`Ybgi fY`h\Y`i b]h XYa cbg|fUhYg`mci `UfY`fYUXmhc`d`Ub`UbX`hYUW\`GHU[Y`*`YZZYWf]j Y`m'``A U_Y`gi fY`mci `\Uj Y`fYZYWfYX`cb`h\Y ZYXVUW_`mci `fYWY]j YX`Zcf`h\Y`gWcdY`UbX`gYei YbWY``mc#dfYdUfYX`Zcf`5ggYgga Ybh'%"

GdYW]Z]W7 f]HYf]U	···flŁ—	 	 2fŽŁ
: Ua]`]Uf]lmk]h\ UbX`fY`Yj UbW\cZdfcZYgg]cbU``UbX#cf`fYgYUfW\ `]hYfUh fY`i gYX`hc`gi ddcfhfYgdcbgY			
• I bXYfghUbXg`YZZYWhjjY`UggYgga YbhdfUWhjWYg			
• I bXYfghUbXg YZZYWhjj Y UggYgga YbhdfUWhjWrg			
Glfi Whi fY'UbX'cf[Ub]gUh]cb'cZ'fYgdcbgY			
•			

`YWi fYfg`a Um'U`gc`WcbhYl hi U`]gY`UbX#cf`Ua YbX`h\YgY`gdYW]Z]WWf]hYf]U"`<u>H\Y`fYWca a YbXYX`[fUXY`]g</u> hYbhUhjj Y`cb`mžgi V`YWihc`ghUbXUfX]gUhjcb`dfcWYggYg`UbX`Uddfcj U``Vmih\Y`GW\cc``cZ9Xi WUhjcb`@YUfb]b[UbX`HYUW\]b[`7 ca a]hYY'"

GdYWJZJW7f]hYf]U	··flŁ–		 2fŽŁ
XYM]``k]Mci hdfcj]X]b['Z ```d`Ubg			

GdYWJZJW7 f]hYf]U	"flŁ————	– 2fŽŁ
; YbYfU`Wcaa Ybhg#YWcaa YbXUh]cbg'Zcf'bYl h'h]aY.'		

FYWca a YbXYX.

'#&\$'f1 @'DG'7F'8B'<8Ł

KY][\h]b[.

* \$1

B6. H\Y'ŊW_g']b'h\Y'j Uf]ci g'Vcl Yg'UfY'XYg][bYX'hc'dfcj]XY'ZYYXVUW_hc'ghi XYbhg/h\YmUfY'bch[]j Yb Yei U'`k Y][\h]b'XYhYfa]b]b['h\Y'fYWca a YbXYX'[fUXY"8YdYbX]b['cb'h\Y'bUhi fY'cZ'h\Y'UggYgga Ybh'H\g_ž 'YWhi fYfg'a Um'U`gc'WcbhYl hi U`]gY'UbX#cf'Ua YbX'h\YgY'gdYWJZWWf]hYf]U"'H\Y'fYWca a YbXYX'[fUXY']g hYbh'Hhj Y'cb`mžgi V'YWhic'ghUbXUfX]gUhjcb'dfcWfggYg'UbX'Uddfcj U``Vmh\Y'GW\cc``cZ9Xi WUhjcb'@YUfb]b[UbX'HYUW\]b['7ca a]hYY"

gHJbX]b['h\Y'gm`UVi g.

F Ygci fWYg DfYgWf]VYX F Ygci fWYg

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

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

Image: Ybwci bhYf'U'dfcV'Ya k \Yb'UhYa dhjb['hc'gi Va]hmci f'Ugg][ba Ybhh\fci [\'Hi fb]h]bz'd'YUgY

HY'Yd\cbY'9| hYfbU''Gi ddcfhcb'-',) "''' %cf'Ya U]''h\Ya 'cb'Y! hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui ""Gi ddcfh
\ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY_XUmg'UbX'-.\$\$Ua '-').\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUft'''=\mathred{Image: Wa Jhmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\'Hi fb]h]b'mci 'a UmUdd'm\mathred{Image: Wa Jhmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\'Hi fb]h]b'mci 'a UmUdd'm\mathred{Image: Wa Jhmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\'Hi fb]h]b'mci 'a UmUdd'm\mathred{Image: Wa Jhmci f'Ub'Y! hYbg]cb\mathred{Image: Wa Jhmci h\Yf'f'Y'j UbhXcW a Ybhg\mathred{Image: Wa Uj''9! hYfbU''Gi ddcfhmci 'k]'`

JbWi XY'Ug'Yj]XYbW' hc'gi ddcfhmci f'Y! hYbg]cb'Udd']\wUh]cb"'\mathred{Image: Wa Uj''9! hYfbU''Gi ddcfhmci 'k]'`

Ui hca Uh]\wU'`mfYW']j Y'U'h]\w_Yhbi a VYf\mathred{Image: hY'Yd\cbY'mci 'k]\tag{Y}\wu''mug_'\mathred{Image: Wa'\mathred{Image: hY}\wu''mug_'\mathred{Image: hY}\wu''mug_'\mathred{Image: hY}\wu''mug_'\mathred{Image: hY'Yd\cbY''mci 'k]\tag{Y}\wu''mug_'\mathred{Image: hY'\mathred{Image: hY'\mathred{I

; YbYfU``mž'UggYgga YbhiHug_g'a i ghVY'gi Va]hhYX'Y`YVWfcb]\W)``mij]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ba Ybh'' =b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk]```VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k]h\U`hYfbUhjj Y'gi Va]gg]cb'XYHJ]`g''

cfi]bZcfa Uhjcbicbi\ckihcigi Va]hUgg][ba Ybhgicbi]bYij]UiA ccXiY.i\hdg.#gh XYbhi bgk "YXi "Ui #\ck! gi Va]hUgg][ba Ybha ccXiY

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"`=hWJb`hJ_Y`a Ubm Zcfa gžZca `XY`]VYfUhY`W\YUh]b['hc`UVW]XYbhJ``mWcdm]b['Zfca `U`gci fWY`k]h\ci hUW_bck `YX[Ya Ybh'

IBGK [fcidgdu[]Uf]ga]bhch\YZc``ck]b[WUhY[cf]Yg.

 $\begin{tabular}{ll} \hline \textbf{7.cdm}b[...] g]b[...] MY cf'j Yfmg]a] ``Uf'k cfXg'hc'h\Y'cf][] bU``HYI hcf']XYU'k]h\ci h`U\W_bck ``YX[]b[...] b[...] MY cf'i g]b[...] bU``HYI hcf']XYU'k]h\ci h`U\W_bck ``YX[]b[...] b[...] MY cf'i g]b[...] a UhYf]U`gž']XYUg'cf'WcbW'dhg'\faca '`U'Vcc_\text{z}'Ufh]WY\text{z} bU'Vcd_\text{z}'Ufh]WY\text{z} bU'Vcd_\text{z}'Ufh]WY\text{z}'Ufh]WY\text{z} bU'Vcd_\text{z}'Ufh]WY\text{$

5 WUXYa]W = b Zcfa Uh cb

: cf'YggYbhJU`gh XYbh]bZcfa UhJcb fY`UhJb[hc.

- fYei Yghg 'Zcf'Yl hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYi]Yk 'cZa Uf g/
- I BGK '< YU`h\ 'UbX'GUZYhm'dc`]W[Yg/
- YI Ua]bUhcb dfcWXi fYg/
- gdYWJU``Wcbg]XYfUhJcb']b'h\Y'Yj YbhcZ]``bYgg'cf'a]gUXj Ybh fY/
- gh XYbhYei]mrUbX X]gUV]`]m/
- UbX'ch\Yf'YggYbhJU''UWUXYa]W]bZcfa UhJcbž'gYY

\hdg.#kkk"ibgk"YXi"Ui#Ufhg!XYg][b!UfW\]hYWhifY#ghiXYbhi`]ZY#fYgcifWYg!giddcfh#dfchcWc`g![i]XY`]bYg

a U[Y'7fYX]h

GmbYf[]Yg']b'GcibX'&\$%*

7F = 7CG

7 F = 7 C G 'Dfcj]XYf'7 cXY. '\$\$\$-,;