

7ci fgY⁻Cj Yfj]Yk

GHJZ7cbHJWh8YHJ]`g

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
M]·N\Yb[C b`]bYž'VmYa U]` cf'VmUddc]bha Ybh	A cfj Yb 6fck b [*] &) '	-',) '%+'\$

@YWhi fYfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
MfUb @	m]fUb"`]4 i bgk "YXi "Ui	C b`]bYž'VmYa U]` cf'VmUddc]bha Ybh	A cfj Yb 6fck b [*] &) '	-',) '%+'\$

Hi hcfg

BUa Y	9a U]`	5j U]`UV]`]lm	@cWUh]cb	D\cbY
MfUb @	m]fUb"`]4 i bgk "YXi "Ui	C b`]bYž'VmYa U]` cf'VmUddc]bha Ybh		

GWXcc``7cbHJWhi±bZcfa Uh]cb

GWkcc~cZ<iaUb]h]Yg/~@Ub[iU[Yg

@c\\U||cb. G\\cc`C\\Z|\\\ž\Acfj\b'6fck\b'6i]\X]b[\z'@\j\Y`\&z\&),

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

HY`.'\$&'-'(, '\$(\$*

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

5W_bck `YX[Ya YbhcZ7ci bhfm

I BGK '5frgž8Yg][b'UbX'5fW,]h'Wi fY'? Ybg]b[hcb'UbX'DUXX]b[hcb'Wa di gYg'UfY'Vi]'hcb'5Vcf][]bU`@UbXg"K Y'dUmci f'fYgdYWrg'hc'h\Y'6]X'][U''UbX'; UX][U''dYcd'Yg'k\c'UfY'h\Y'7i 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':]fgh5i 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'Wcbh]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{$fhYgmcZh}, Y'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY!7 \setminus UbWY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY'C$ $Z_jWY'cZh}, Y'Dfc'J]WY'C$ $Z_jWY'CAL}, Y'Dfc'J]WY'C$ $Z_jWY'CAL}, Y'Dfc'J]WY'C$ $Z_jWY'CAL}, Y'Dfc'J]WY'C$ $Z_jWY'CAL}, Y$

7ci fgY 8YW] g

I b]hg cZ7 fYX]h'*

Gi a a UfmcZh\Y 7ci fgY

H\]g`Wci fgY`dfcj]XYg`U`dfcZYgg]cbU```Yj Y``dfc[fUa `]b`7\]bYgY``Ub[i U[Y`UbX`W``hi fY`ghi X]Yg"'=hi]g XYg][bYX`Zcf`ghi XYbhg`YbhYf]b[`h\Y`7\]bYgY`dfc[fUa `Uhih\Y`dfcZYgg]cbU```Yj Y`"'=h'U`gc`gYfj Yg`Ug`Ub cdh]cbU``Wci fgY`Zcf`h\cgY`k\c`\Uj Y`Wca d`YhYX`5Xj UbWXX`7\]bYgY`6`f5F HG' () %±"'H\Y`a YX]i a `cZ]bghfi Wh]cb`]g`7\]bYgY"'6mighi Xm]b[`U`k]XY`fUb[Y`cZhYI hg`h\Uhig\ck WUgY`h\Y`i gY`UbX`Yj c`i h]cb`cZ j YfbUW``Uf`7\]bYgYžmci `k]```Wcbh]bi Y`hc`]a dfcj Y`mci f`]bhY[fUhYX``Ub[i U[Y`g_]``gžYgdYW]U``mdfcZ]W]YbWni]b fYUX]b[`UbX`k f]h]b[ž`Ug`k Y```Ug`XYj Y`cd`U`gYbgY`cZh\Y`W``hi fU``\]ghcfmcZ7\]bYgY``Ub[i U[Y"

7 ci fgY @YUfb]b[Ci hWca Yg

- %" Wcaaib]\WuhY'k]h\'U'\][\``YjY``cZdfcZ]\W]Yb\Wn]b'7\]bYgY``Ub[iU[Y
- &"X]gWggWcadYligiVYWhaUhhYfgi]bVch\igdc_YbUbXkf]hhYbi7\]bYgY
- ' " UbU`mgY`gcd\]gh]WUhYX`hYI hg`UbX`]XYbh]Zmj Ufm]b[```Ub[i U[Y`ghm`Yg`UbX`fY[]ghYfgžUbX`Udd`mih\Ya``]b YZZYWIj Y`Wcaai b]WUh]cb
- ("igY`UbU`mh]\WU``UbX`\Wf]h]\WU``h\]b_]b[`g_]``g
-) " YI d`U]b 'h\Y 'W' `hi fY 'UbX `\]ghcfmcZ'7 \]bYgY ``Ub[i U[Y

HYUWX]b['GhfUhY[]Yq'

± XYg][b]b['th]g'Wci fgYz'k Y'\Uj Y'tU_Yb']bhc'UWWci bhth\Y'f]W\'\]ghcfmUbX'W' 'ti fU'z']b[i]gh]WX]j Yfg]lmcZ th\Y'7\]bYgY'`Ub[i U[Yz'Ug'k Y``Ug'th\Y'a i 't]d`]W]mcZWca a i b]WUh]cb'a cXYg'Vfci [\h'UVci h'Vm[`cVU`]gUh]cb UbX'th\YW\bc`c[]WU``UXj UbW\g''K Y'VY`]Yj Y'th\YgY'ZUWcfg'\Uj Y'U'[fYUh]a dUWficb'`]h\fUhY'dfUWf]W\g'''H\fci [\gti Xm]b['th\Y'k]XY'fUb[Y'cZhYI hgz'`YUfb]b['th\Y]f'W' 'ti fU`'UbX'\]ghcf]WU``WcbhYI hg'UbX'dfUWf]W]b['gdYW]U``m XYg][bYX'`Ub[i U[Y'UbX'fYgYUfW\YI YfW]gYg']b'th\Y'`YWfi fYg'UbX'ti hcf]U'gz'mci 'k]```UW\]Yj Y'a i 'th]'h\fUWfiUg k Y```Ug'Wca a i b]WUh]j Y'Wca dYhYbW\"'Mci 'k]``XYj Y`cd'Ub'i bXYfgtUbX]b['cZ7\]bYgY'W'`ti fYz'gcW]YlmUbX k cfXj]Yk gz']b'dUfth\Y'\]ghcfmcZ7\]bYgY'`Ub[i U[Y''

5ggYgga Ybh

5ggYgga Ybh'tUg_	K Y][\h	8iY'8UHY	7 ci fgY @YUfb]b[Ci hWca Yg 5ggYggYX
%" HYghg	(\$1	HYgh%]b'h hcf]U`kYY_')/ HYgh&']b'h hcf]U`kYY_'%\$	%ž'&ž' ž'(
&""; fci d"fYgYUfWX"dfcYWh	(\$1	DfYgYbfUf]cbg`Xi Y`k YY_`-/ fYgYUfW\`dUdYf`k YY_`%\$	%ž'&ž' ž'(ž')
' "'C b`]bY'E i]n	&\$ı	k YY_"&/k YY_"(/k YY_"+/ k YY_"-	%ž'&ž''

5ggYgga Ybh% HYghg

8i Y'XUhY. 'HYgh%']b 'h hcf]U``k YY_') /'HYgh&']b 'h hcf]U``k YY_'%\$

Ghi XYbhgʻWca dʻYhYʻhk cʻhYghgʻfWU"''%') ʻ\ci fŁʻ]bWi X]b[ˈg\cfhˈUbXʻcb[Yf!Ubgk Yf'ei Ygh]cbg"'A]X!hYfa '&\$ı ž 9bX!cZhYfa '&\$ı "'Ghi XYbhgʻfYW']j Y`U'a Uf_`UbX`WUb`Wcbgi `hih\Y`YWi fYf`Zcf'Z fh\Yf`ZYYXVUW_"

H\]g]g bchU Hi fb]hb Ugg][ba Ybh

5ggYgga Ybh&; fci d fYgYUfW dfc YWh

8i Y'XUhY. DfYgYbhUh]cbg'Xi Y'k YY_'-/fYgYUfWX dUdYf'k YY_'%\$

DfygYbhJhcb**a]bi hyg'dyf'dyfgcbž'&\$i /fygYUfWX'dUdyf'%\$\$\$!%(\$\$`WXUfUWhyfg'dyf'dyfgcbž'&\$i "

Ghi XYbhgʻZcfaʻ]bhcʻ[fci dgʻVUgYXʻcbʻgi [[YghYXʻhcd]Wgʻh\UhUfYʻYl hYbg]cbgʻcZh\YʻhYl hgʻʻH\YmfYgYUfW\UbX`X]gWiggʻh\Yʻhcd]Wgʻhc[Yh\Yfz'Vi hYUW\dfYgYbhgʻUbX`k f]hYgʻcbʻcbYʻdUfhcZh\Y]fʻfYgYUfW\"`A Ya VYfgʻcZh\Y`[fci dʻfYWY]j YʻcbYʻa Uf_"

H\]g`]g`h\Y`ZbU``UggYgga YbhZcf`UhYbXUbW'di fdcgYg''"

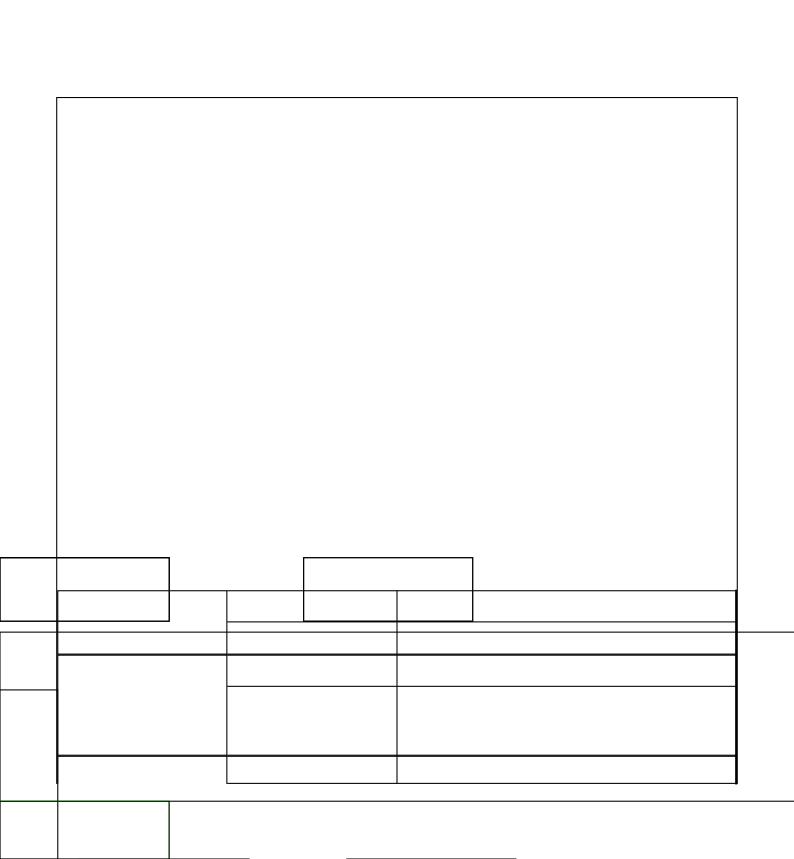
H\]g`Ugg][ba Ybh]g`gi Va]hhYX`h\fci [\`Hi fb]h]b`UbX`gh XYbhg`Wb`gYY`Hi fb]h]b`g]a]`Uf]hmfYdcfhg"

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

8i Y'XUhY. 'k YY_'&/k YY_'(/k YY_'+/k YY_'-

6]!k YY_`m``Ub[i U[Y`YI YfW]gYg`Zc``ck]b['h\Y`Wca d`Yh]cb'cZYUW\``Yggcb'hc'UggYgg'a UghYfmcZj cWUVi `Ufmž [fUa a Ufz'gYbhYbW'dUhYfbz'Wca dfY\Ybg]cb'UbX'ch\Yf``Ub[i U[Y`fY[]ghYfg"

A Uf_YX`cb`]bY"`Gh XYbhg`WUb`Wcbgi `hh\Y``YWh fYf`Zcf`ZYYXVUW_



FYgci fWfg

DfYgWf]VYX F Ygci fWYg

HYI Mcc_'8YhJ]`g

5```fYUX]b['a UhYf]U`g'k]```VY'Uj U]`UV`Y'Zcf'Xck b`cUX'cb'h\Y'7 ci fgY'A ccX`Y"

FYWca a YbXYX FYgci fWYg

5XX]h]cbU`FYUX]b[g

5XX]h]cbU``FYUX]b[g`WJb`U`gc`VY`ZcibX`cb'h\Y`7cifgY`AccX`Y"

K YVg]hYg

• FYZYfYbWJb['gmghYa g

\hd.#k k k "`\VVi bgk "YXi "Ui #cb`]\/#YZ'\ha`

.

• GiddcfhZcffYZYfYbWJb[Ugg][ba Ybhg

\hda.##qhi XYbh"i bak "YXi "Ui #fYZYfYbWb[

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

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

Image: Ybwei bhyfu'dfcv'ya k \yb'uhhya dhjb['hc'gi va]hmci f'Ugg][ba Ybhh\fci [\ 'Hi fb]h]bž'd'YUgY

Hy'Yd\cby'9| hy'fbu''Gi ddcfhcb'-',) '' ' ' %cf'Ya U]''h\Ya 'cb'Y! hy'fbu'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"'=Z'mci
UfY'i bUV'Y'hc'gi va]hmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\ 'Hi fb]h]b'mci 'a Um'Udd'mZcf'Ub'Y! hy'bg]cbž'Vi hmci
a i ghfYhJ]b'mci f'h]W_Yhbi a VYf'Zfca '9! hy'fbU''Gi ddcfhfU'cb['k]h\ 'Ubmch\Yf'fy'Yj UbhXcW a Ybhgt'hc
]bWi XY'Ug'Yj]XYbW' 'hc'gi ddcfhmci f'Y! hy'bg]cb'Udd']WUh]cb"'=Zmci 'Ya U]''9! hy'fbU''Gi ddcfhmci 'k]'`
Ui hca Uh]WJ'`mfYW']j Y'U'h]W_Yhbi a VYfZ'Vi h]Zmci 'hY'Yd\cbY'mci 'k]``bYYX'hc'gdYW]Z]WJ'`mUg_'Zcf'cbY''
Hi fb]h]b'U'gc'dfcj]XYg'i dXUhy'g'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hyf''

; YbYfU`mž'UggYgga YbhiHug_g'a i ghVY'gi Va]hhYX'Y`YVWfcb]\WJ``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`hYfbUh]j 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 i]gii g]b[ih\Yik cfXgicfi]XYUgicZch\YfgiUbXidfYgYbh]b[ih\Ya iUgimci fick b"i=iWUbihU_Yia Ubm Zcfa gžZfca iXYi]VYfUhYiWXYUh]b[ihciUWW]XYbhU`mWcdm]b[iZfca iUigci fWYik]h\ci hiUW_bck iYX[Ya Ybh'i

5 WUXYa]W + DZcfa Uhjcb

8 i Y 'hc 'Yj c'j]b['UXj]WY 'VmB GK '< YU'th žighi XYbhg'a i gh'WkYW_'Zcf'i dXUhYX']bZcfa Uh]cb 'fY[UfX]b['cb`]bY 'YUfb]b['Zcf'U``'5fhgž'8 Yg][b 'UbX'5fWk]hYWhi fY 'Wci fgYg'th]g'thYfa 'fJ]U'A ccX`Y'cf'Wci fgY']bZcfa Uh]cb dfcj]XYX"Ł

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