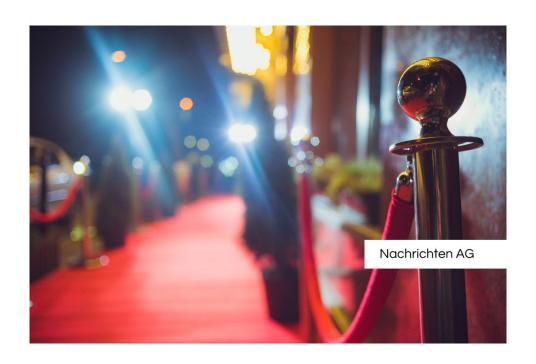


; fc»Y'@Ui Z!DUfhm']b'DchgXUa .'8Yf'fVV! @Ui Z'ZY]Yfh'&\$'>U\fY'



; `]Yb]W_Yf'6fØW_Yž'DchgXUa ž'8Yi hgW `UbX'!'5a '&+"'5df]` &\$&) 'Z]bXYh'XYf'fVV!@Ui Z']b'DchgXUa 'ghUhh'''9f'k]fX']b'X]YgYa '\\f\ ni a '\&\\$"'A U`'Ui g[YhfU[Yb'i bX'j cb'Fi bXZi b_'6Yf`]b!6fUbXYbVi f[ffVV\{'\}b'Ni gUa a YbUfVY]h'a]h'XYa 'GhUXhgdcfhVi bX'DchgXUa cf[Ub]g]Yfh'''8]Y'JYfUbghU`hi b['VY[]bbh'i a '\%\\$'I\fz'i bX'X]Y GhUfhgW\@hn]b'k]fX'X]Y'C`ma d]Ug]Y[Yf]b'j cb'\&\\$\, z'6f]hhU'GhYZZYbz' gY]b'''8]Y'nYbhfU`Y'5b`Ui ZghY``Y'Z@f'HY]`bY\a Yf'i bX'Ni gW\Ui Yf']gh X]Y'; `]Yb]\W_Yf'6f@\W_Yz'X]Y'gck c\``GhUfh!'U`g'Ui W\'N]Y`cfh']gh''

8]Y'GhfYW_Y'ZØ\fh'ØVYf'%(z\$*)'_a z'X]Y'U`g'8f]hhY`a UfUh\cb'[]`hz'gck]Y'ØVYf'Y]bY'%\$'_a '`Ub[Y'GhfYW_Y"'8]Y'Fci hY'j Yf`Ài Zh'Xi fWXX]Y'ki bXYfgWX ObY'DchgXUa Yf'+bbYbghUXhz'ØVYf'XYb'@i]gYbd`UhnibX'jcfVY]'Ua'<UidhVU\b\cZ'V]g'bUWX'6UVY`gVYf["'8]Y

5ba Y`Xi b['ZØf'XYb'@Ui Z']gh'V]g'ni a '&\$"'5df]`'&\$&) 'a Ò[`]W\'i bX YfZc`[h'cb`]bY'i bhYf'k k k "fVV!`Ui Z"XY"

HY]`bU\a YVYX]b[i b[Yb'i bX 5ba Y`XYa Ò[`]W_Y]hYb

8]Y'Cf[Ub]gUhcfYb'fYW\bYb'a]h'Yhk U'&") \$\$'@\Ai ZYf]bbYb'i bX
@\Ai ZYfb\z\X]Y'g]W\'Ui Z'X]Y'GhfYW_Yb'VY[YVYb"'Ni XYa'[]Vh'Yg'Y]bY
VYgcbXYfY'5_h]cb.'Y]bYb'@Ui ZghUZZY\!K Yhh_Ua dZ'nk]gW\Yb'HYUa
6Yf\]b'i bX'HYUa' 6fUbXYbVi f[\z\Ub'XYa''Ui W\'dfca]bYbhY
HY]\bY\a Yf'a]hk]f_Yb'k YfXYb"'\XY'GhUZZY\'VYghY\h'Ui g'\(\(\)\
DYfgcbYb\z\k cVY]'\YXYf'@\Ai Z\Yf'Y]bYb'?]\ca Yh\Yf'ni f\@_\Y[h'

JYf_Y\fga U»bU\a Yb i bX GdYffi b[Yb

: Øf`X]Y`8i fW\ZØ\fi b[`XYg`9j Ybhg`g]bX`hYa dcfÀfY
GhfU» YbgdYffi b[Yb`]b`DchgXUa `i bX`6UVY`gVYf[`nk]gW\Yb`%\$`i bX
%&`I \f`bchk YbX]["'=bgVYgcbXYfY`k]fX`X]Y`; `]Yb]W_Yf`6fØW_Y`j cb
, `V]g`%&.' \$`I \f`_ca d`Yhh`[YgdYffh"'8]Y`5i Z\YVi b[`XYf
GdYffi b[Yb`YfZc`[h'j cfUi gg]W\h`]W\`bUW\`XYa `DUgg]YfYb`XYg
[YgUa hYb`@Ài ZYfZY`XYgž'k cVY]`gdYn]Z]gW\Y`NY]hYb`ZØf
j YfgW\]YXYbY`5VgW\b]hhY`j cf[YgY\Yb`g]bX"

8 Yf fVV!@Ji Z']gh'b]WX h'bi f'Y]b'< O\Ydi b_h']a 'gdcfh`]WX Yb'? U'YbXYf XYf FY[]cbž'gcbXYfb'k]fX'Ui WX']a 'X][]hU`Yb'8@J!@Ji Z_U`YbXYf YfZUgghž'XYf'gY]h'ZUgh'* \$'\\J\fYb'c\ZZ]n]Y``Y'@Ji Zj YfUbghU`hi b[Yb']b 8 Yi hgWX`UbX'i bX'9i fcdU'Xc_i a Ybh]Yfh''8]YgYf'? U`YbXYf'V]YhYh Y]bY'i a ZUb[fY]WXY'\ VYfq]WX h'ØVYf'nU\`fY]WXY'@Ji Z!9j Ybhg'i bX

 $\label{thm:continuous} $$Yfa \ \mathring{O}[\]WXh'XYb'Bi \ hnYfb\check{z}'JYfUbghU`hi \ b[\ Yb'bUWX'GhfYW_Yb`\mathring{A}b[\ Yb'ibX'UbXYfYb'?f]hYf]Yb'ni \ 'Z]`hYfb'''K \ Yf'g]WX'ZØf'XYb''8@J! $$@Ui Z_U`YbXYf']bhYfYgg]Yfh\check{z}'gc``hY'X]Y'K \ YVgY]hY'`Ui \ ZYb''XYV''' $$VYgi WXYb'''$

8 YhU]`g	
JcfZU``	Gcbgh][Yg
Cfh	;`]Yb]W_Yf^6fØW_YžDchgXUaž8YihgWX`UbX
EiY``Yb	• k k k "fVV&("XY
	• k k k "`Ui ZYb"XY

6Ygi WXYb G]Y i bg Ui Z b!U["XY