



7 ci fgY`Cj Yfj JYk

`GHUZZ7cbhUWh8YHJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWWhcb	D\cbY
5VbYf`Dccb	k "dccb4 i bgk "YXi "Ui	H\i fgXUnž&! (da	F cca `; ' +ž A cfj Yb`6fck b 6i]X]b[- ' ,) \$* ,)

`Hi hcfg`

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWWhcb	D\cbY
5i fY`jU`F cdYf!HmYf	U"fc dYf!hmYf4 i bgk "YXi "Ui			
5`mggU`7 Ugg]Xm	U"Wgg]Xm4 i bgk "YXi "Ui			

GWXcc``7cbhUWh`bZcfa Uhjcb

GWXcc``cZGcWU`GWYbWg

F cca `%) -

A cfj Yb`6fck b`7 &\$

Ya Uj`.gcgg4 i bgk "YXi "Ui

d\cbY. '\$&-' ,) `)% \$+

7ci fgY'8YHJ`g

7fYX]hDc]bHg`*`

Gi a a UfmicZ`h`Y'7ci fgY

Gi V`Y`W`i`5`f`Y`U`.'E`a`U`[S`^`I` ad`

⊕`h`]g`V`ē`i` fgY`ž`m`ē`i` `k`]`Y`I` d`c`f`Y`'f`U`i` a` U`'U`b`X`'a` Y`b`H`U`'`Y`U`'h`]`g`g`i` Y`g`Z`c`a` `V`]c`c`[]W`'ž`d`g`m`X`c`c`[]W`'U`b`X`'g`c`V`U`
d`Y`f`g`d`Y`W`j` Y`g`"M`ē`i` `k`]`Y`X`Y`j` Y`c`d`'h`Y`'g`_]`g`'h`c`]X`Y`b`h`]Z`m`U`b`X`'f`Y`g`d`c`b`X`'h`c`'h`Y`'a` Y`b`H`U`'`Y`U`'h` `U`b`X`'f`U`i` a` U`
Y`I` d`Y`f`]Y`b`W`g`'c`Z`g`c`V`U`'k` c`f`_`W`]Y`b`h`g`"K` Y`k`]`X`]g`W`g`g`V`ē`b`h`Y`a` d`c`f`U`f`m`U`d`d`f`c`U`W`X`Y`g`'h`c`'V`c`h`'a` Y`b`H`U`'`Y`U`'h`
d`f`c`V`'Y`a` g`'U`b`X`'f`U`i` a` U`'k` \]Y`'Y`b`V`ē`i` f`U`[]b`['U`'W`]h`W`'U`b`U`m`g`]g`'c`Z`h`Y`'U`d`d`f`c`U`W`X`Y`g`'V`ē`j` Y`f`Y`X`"M`ē`i` `k`]`Y`X`Y`j` Y`c`d`
U`V`]`h`Y`g`]b`'f`Y`g`d`c`b`X`]b`['h`c`'a` Y`b`H`U`'`Y`U`'h` `U`b`X`'f`U`i` a` U`]g`g`i` Y`g`U`W`'c`g`g`'U`'f`U`b`[Y`'c`Z`]b`h`f`j` Y`b`h`c`b`'a` Y`h`c`X`g`'U`b`X`
V`ē`b`h`I` h`g`"5`g`g`i` W`X`Z`Y`a` d`U`g`]g`'g`[]j` Y`b`'b`c`h`c`b`'m`h`c`'h`c`g`Y`'d`f`U`W`]W`'U`d`d`f`c`U`W`X`Y`g`'h`U`h`f`Y`g`d`c`b`X`'h`c`']b`X`]j`]X`i` U`g`
]b`W`i` X`]b`['V`]c`c`[]W`'U`b`X`'d`g`m`X`c`c`[]W`'h`Y`f`U`d`]Y`g`ž`[f`c`i` d`'k` c`f`_`U`b`X`'Z`J`a`]m`h`Y`f`U`d`m`ž`V`i` h`U`'g`c`'U`d`d`f`c`U`W`X`Y`g`
h`U`h`Y`b`[U`[Y`'V`ē`a` a` i` b`]h`Y`g`'U`b`X`'g`c`V`U`'b`Y`h` c`f`_`g`]b`'f`Y`g`d`c`b`X`]b`['h`c`'f`U`i` a` U`'U`b`X`'a` Y`b`H`U`'`Y`U`'h`]`g`g`i` Y`g`"

7ci fgY`@YUfb]b[`Ci hW`a Yg

%` ⇒Y`b`h`]Z`m`V`ē`b`h`Y`a` d`c`f`U`f`m`U`d`d`f`c`U`W`X`Y`g`'h`c`'i` b`X`Y`f`g`h`U`b`X`b`['a` Y`b`H`U`'`Y`U`'h`'d`f`c`V`'Y`a` g`ž`]b`h`f`j` Y`b`h`c`b`g`'U`b`X`
f`Y`V`ē`j` Y`f`n`i`

&`" 7`f`]h`W`'m`Y`j` U`i` U`h`'d`g`m`X`]U`f`]W`X`]U`[b`c`g`h`W`Z`U`a` Y`k` c`f`_`g`]b`W`i` X`]b`['h`Y`'d`U`m`g`]c`c`[]W`'ž`d`g`m`X`c`c`[]W`'U`b`X`'g`c`V`U`

5ggYgga Ybh

H\Y'gdYWV]WfYei]fYa Ybth'cZYUWX'UggYgga YbhiUg_'UbX'h.Y]f'UggcW]UHYX'UggYgga YbhW]Hf]Uz'YI dYVWX dYfZcfa UbVW'ghUbxUfXg'UbX'a Uf_]b['fi Vf]Vg'UfY'i d'cUXYX'cb'A ccX'Y"

5ggYgga Ybth'g\ci 'X'VY'fYZfYbW'X']b'UWV'fXUbW'k]h'h.Y'E UZaa^aXE aU[S^E U]W UWe DWVdW U[Y 9g[VWZ'Uj U]UV'Y'Uh'\tdg.#gcWU'gWYbVW'g"Ufth"i bgk "YXi "Ui #gh XYbth#fYgci fVWg#dc'WYgl[i]XY']bYg#'

5ggYgga YbhiUg_g'

5ggYgga YbhiUg_	K Y][\h	8i Y'8UH'	Gh XYbh@YUfb]b[Ci hW'a Yg'5ggYggYX
9ggUm	' \$i	%) #' #&\$%- '%%\$\$'DA	%
Dfc YVh	' \$i	%) #' #&\$%- '%%\$\$'DA	&z ž
7 UgY'ghi Xmi	(\$i	%) #' #&\$%- '%%\$\$'DA	' ž(ž)

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh% '9ggUm

GHUfhXUH'. % #&#&\$%- '%&.\$\$'5A

@Yb[h. %)\$

8YHJ]`g. Gh XYbth'k]`gi Va]hU'fYgYUfWX'YggUmfa UI ""%) \$\$'k c'fXg'c'cb'U'hd]WfY'Yj Ubh'c'h.Y'W'ci fgY a UH'f]U""Gh XYbth'k]`fYW]j Y'k f]h'Yb'ZYXVUW_'UbX'U'bi a Yf]WU' [fUXY'k]h]b'h'c'k YY_g'cZgi Va]gg]cb" H\Y'ZYXVUW_'g\YYh#fi Vf]Wk]`VY'Uj U]UV'Y'hc'gh XYbth'Uh'h.Y'ghUfhcZ'h.Y'W'ci fgY'gc'hUh'h.Ym'WU'k cf_ h'k UfXg'gdYWV]YX'ghUbxUfXg'""

Hi fb]h]b'gYH]b[. H\]g'Ugg][ba Ybh]g'gi Va]h'X'h'fci [\ 'Hi fb]h]b'UbX'gh XYbth'WU'g'YY'Hi fb]h]b'ga]'Uf]m fYdcfth"

5ggYgga Ybh&. Dfc YVh

GHUfhXUH'. % #&#&\$%- '%&.\$\$'5A

8YHJ]`g.

GhUfhXUHY. % #&#&\$%- %&.\$\$'5A

8YhU]g. 'Gh XYbfg'k]''gY'YWhU'WUgY'ghi XmiFY'Yj Ubhlc'hfUi a U'UbX#cf'a YbhU''\YU'h'dfcV'Ya g''H\Ymk]' X]gW'gg'h\Y'WUgY'z'h\Y'W'ebh'I hcZdcgg]V'Y'fYgdcbgYgžUbX'h\Y'W'c]W'cZ]bh'fj Ybh'cbg''Gh XYbfg'k]''gi Va]h U'k f]h'Yb'fYdcfh'fa UI ''&\$\$\$'k cfXg'Gh XYbfg'k]''fYW'j] Y'k f]h'Yb'ZYXVUW'UbX'U'bi a Yf]W' [fUXY'k]h]b h'c'k YY_g'cZgi Va]gg]cb''H\Y'ZYXVUW'g\YY'h'f' Vf]W'k]''VY'Uj U]UV'Y'lc'gh XYbfg'U'h'h\Y'ghU'f'icZ'h\Y' W'ci fgY'gc'h'U'h'h\Y'm'W'U'b'k cf_'h'c'k UfXg'gdY'W'Z'Y'X'gh'U'b'X'U'f'X'g''''H\]g']g'h\Y'Z]bU''UggY'gga Ybh'Z'c'f'h]g'W'ci fgY''

Hi fb]h]b'gY'h]b[. H\]g'Ugg][ba Ybh]g'gi Va]h'X'h'f'ci [\ 'Hi fb]h]b'UbX'gh XYbfg'W'U'b'g'Y'Y'Hi fb]h]b'g]a]Uf]m fYdcf'g''

5 HbXUbW F Yei JfYa Ybhg

H\Y'GWcc'cZGcWU'GWYbWg'YI dYVg'hUgh'XYbhg'k]'UhbX'UbX'dUfhVdU'UWj Y'm]b'%'\$'i 'cZ 'YUfb]b['UbX'hUW]b['UWj]hYg'f'YbWZcf'h 'WUggYg'zhc]bW'XY'YW'fYg'zh'hc]U'g'gYa]bUfg'UVg'cb]bY UWj]hYg'UbX'gc'cbL"

A UbXUhcfmUhbXUbW'cZUggYg'Zcf'h]g'Vci fgY]g'dUfhcZ'hY'UWfYX]h]cb'fYei]fYa Ybhg'Zcf'h'Y'6GK f'cbg'dfc[fUa "

h']g'Vci fgY'mci 'Uf'YI dYVW'X'hc'UhbX'Uh'YUgh, \$i 'cZUggYg'"H\]g'a YUbg'hUh'mci 'a i ghUhbX , #/\$'cZ'h'hc]U'g'UbX'YW'fYg'"Z'mci 'UhbX'Ygg'hU' , \$i 'cZUggYg'z'mci 'a UmVY'fYZ'gYX'ZbU' UggYgga Ybh'H\]g'a YUbg'hUh]Z'mci 'Xc'bc'hUhbX'Uh'YUgh, \$i 'cZdcgg]V'Y'WUggYg'mci f'ZbU'Ugg][ba Ybh a UmfYW]j Y'U'a Uf_'cZnYfc'"Mci 'Uf'fYgdcbg]V'Y'Zcf_'YYd]b['hUW_'cZ'mci f'UhbXUbW'UbX'VcbhUW]b[mci f'Vci fgY'Vcbj Ybcf]a a YX]U'h'm]Z'mci 'Uf'VcbWfbYX'UVci h'mci f'UhbXUbW'fYVcfX'UbX']hg]a dUVh'cb mci f'UV]]mhc'Vca d'Y'h'mci f'Vci fgY'gi W'ggZ 'm'

h'UXX]hcbz'mci 'a i ghVca d'Y'h'U'cb]bY'UWj]hYg": U]i f'Y'hc'Vca d'Y'h'cb]bY'UWj]hYg'k]'VY'Vcbg]XYfYX Ug'bchZ'Z']b['h'Y'UhbXUbW'fYei]fYa Ybh'cZ'h'Y'Vci fgY": cf'YI Ua d'Y'Z'ZU'gh'XYbhXcYg'bc'hVca d'Y'h' k YY_'&'cb]bY'UWj]mz\]g'AYf'k YY_'&'h'hc]U'k]'VY'Vcbg]XYfYX'Ug'Ub'UVgYbW'"9UW'cb]bY'UWj]mk]' VY'a UXY'Uj U]UV'Y'Zcf'h'fY'k YY_'g": cf'YI Ua d'Y'Z'k YY_'&'cb]bY'UWj]mk]'VY'a UXY'Uj U]UV'Y'i bh'h'Y YbX'cZ'k YY_'("

: cf'h'Y'di fdcgY'cZUhbXUbW'a cb]hcb]b['zh'Y'ZbU'UggYgga Ybh'Zcf'h]g'Vci fgY]g'7 UgY'Gh'Xmk'cf'h' (\$i 'cZ'mci f'cj YfU' [fUXY'Zcf'h]g'Vci fgY'"H\]g:]g'h'Y'UggYgga Ybh]h'Y'a 'h'Uhk]'VY' [fUXYX'UhnYfc:]Z'mci 'Xc'bc'h a Y'h'h'Y'UhbXUbW'fYei]fYa Ybh'Zcf'h]g'Vci fgY"

7 ci fgY'GWXYXi `Y

[J \]k WUgg'ha YhUV`Y](#)

H]a YhUV`Y`

8 UHY	HmdY	7 cbhYbh
K YY_%% : YVfi Ufm!&(: YVfi Ufm	@YW' fY	@YW' fY. h'fcXi W]cb'hc'GC 7 K (\$%&Z' C j Yfj]Yk 'cZ a YbU' \YU'h']b'5i ghfU]Uz'7 Ugg]Z]W]h'cb'cZa YbU' X]gcfXYfgz'9hc'c[]W]'cZa YbU' X]gcfXYfgz' C j Yfj]Yk cZ'hYUha Ybhg'UbX'GY'Z]W]fY'Zcf'k cf_Yfg
	Hi hc]U'	Hi hc]U'. 'A cXYfb'dgmW]Uhf]W]W]fY'UbX'gY'Z]W]fY'Zcf'k cf_Yfg
	F YUX]b[<p>BFHC8I 7HCB'HC'A 9BH5@<95@H<</p> <p>7\UdhYf'%cZA YbU'<YU'h']b'5i ghfU]U.</p> <p>7\UdhYf' 'cZEaU[S^I ad] BcSuf[UW[? W fS^: W fZ</p> <p>G9@ !75F 9</p> <p>6YfW]Yfz'A "'@z/ 'A UmbUfXz'6" 'F "'f&\$%) L"</p> <p>h'Yfj Ybh'cbg'Zcf'GYVcbXUfmHfUi a U]WGFhYgg'K]h' A YbU'<YU'h' K cf_Yfg. '5'Gmgh'Y'a U]hW</p>

		<p>F Yj JYk "'DWeWSdJZ a` EaU[S^I ad] BcSUF[UW \$' fP4ž , %d, - "Xc]. '%\$"%%+#+#%\$(- + ' %) %) %+%(&</p> <p>7 \UdHYf* "H\Y`fUi a U`hYfUd]ghUbX`hY]f</p> <p>Ya chjcbg'`cZK UghY`ž7 "'f&\$)\$ E"G` VWdEfS` V[Y</p> <p>FdSg_ S S` V 7_ af[a` , 6WS^f Y i [fZ FdSg_ S Ge[Y</p> <p>S` 7_ af[a` ŽaUgeVW 3bbdaSUZ"7 fck g`BYghžB"G"K .</p> <p>5`Yb/` I bk]b"</p> <p>* VŽTaa] ShS[ST`W[G@EI >[TcdSk</p>
K YY_`&.`&) : YVfi Ufm!` A UfWx	@YWi fy	<p>@YWi fy. GcWJU`k cf_`dfUW]W`]b`a YbHU` \YU`h</p> <p>DUfh5. `6]cdgmWxcgcWJU`UggYgga Ybhž`f]g_</p> <p>UggYgga Ybhž`a YbHU`ghUH`YI Ua]bU]cb`UbX</p> <p>Zcfa i `U]cb</p> <p>DUfh6. `A i `hX]gWd`]bUfmiHYUa žWUgY`a UbU[Ya Ybhž</p> <p>Wc`a a i b]mifYUha YbhicfXYfg`UbX`Yj]XYbWV!VUgYX</p> <p>dfUW]W</p>
	Hi hc]U`	<p>Hi hc]U`. GcWJU`k cf_`dfUW]W`]b`a YbHU` \YU`h.</p> <p>6]cdgmWxcgcWJU`UggYgga Ybhž`f]g_`UggYgga Ybhž</p> <p>Zcfa i `U]cbž`a i `hX]gWd`]bUfmiHYUa `UbX`WUgY</p> <p>a UbU[Ya Ybh</p>
	C b`]bY`5W]j]jm	<p>F YZYW]cb`cb`]ggi Yg`fY[UfX]b[`]a dUWicZa YbHU`</p> <p>]`bYgg`UbX`dgmW]Uf]WgYfj]Wg`]b`5i ghFU`]U"</p>
	F YUX]b[<p>5GG9GGA 9BH</p> <p>7 \UdHYf* `cZGcWJU`K cf_`DfUW]W`]b`A YbHU` < YU`h</p> <p>7 \UdHYf`%&`cZA YbHU` < YU`h `]b`5i ghFU`]U</p> <p>75G9`A 5B5; 9A 9BH</p> <p>DU[Y`&- \$!&- ` `UbX` (& , ! ((&`cZA YbHU` < YU`h `]b</p> <p>5i ghFU`]U`</p> <p>7 \UdHYf+`cZEaU[S^I ad] BcSUF[UW[? W fS^: WS`fZ</p>
K YY_`" .(`A UfWx !`%\$ A UfWx	@YWi fy	<p>@YWi fy. `5bl]YmiUbX`A ccX`X]gcfXYfg/HYVXb]ei Yg</p> <p>hc`XYU`k]h`Ubl]YmiX]gcfXYfg/7ci bgY`]b[</p> <p>UddfcUWXyg</p>
	Hi hc]U`	<p>Hi hc]U`. DgmWxcgcWJU`]bhYfj Ybh]cbg`Zc`fUbl]YmiUbX</p> <p>a ccX`X]gcfXYfg</p>
	C b`]bY`5W]j]jm	<p>Gi]M]XY`dfYj Ybh]cb</p>
	F YUX]b[<p>5BL →HM5B8`A CC8`8`€CF89FG</p> <p>7 \UdHYf`&` `cZA YbHU` < YU`h `]b`5i ghFU`]U`</p> <p>DU[Y`%\$!%`- `cZEaU[S^I ad] BcSUF[UW[? W fS^</p>

		: V\$ fZ
K YY_ (. : %%A UfVX ! : % + A UfVX	@YVh fY	@YVh fY. 'DgmVXch]WX]gcfXYfg/GVX]hcd\fyb]U/ DgmVXcgcW]U' fY\UV]]h]h]cb]bhYfj Ybh]cbg
	Hi hc]f]U`	Hi hc]f]U. 'DgmVXch]WX]gcfXYfg/GVX]hcd\fyb]U/ DgmVXcgcW]U' fY\UV]]h]h]cb]bhYfj Ybh]cbg
	F YUX]b[DGM7 < C H = 7 ' 8 - GC F 8 9 F G 7 \ UdHYf &, 'cZA YbhU' < YU'h]b' 5i ghU']U DU[Y' % & \$! %) ' cZEaU[S^ \ adj BdSuf[UW[? W fS^ : V\$ fZ
K YY_) . : % ' A UfVX ! : & (A UfVX	@YVh fY	@YVh fY. 'BC 'YVh fY
	Hi hc]f]U`	Hi hc]f]U. 'BC 'hi hc]f]U`
K YY_ * . : &) ' A UfVX ! : " % A UfVX	@YVh fY	@YVh fY. 'HfUbgW 'hi fU' a YbhU' \YU'h
	Hi hc]f]U`	Hi hc]f]U. 'K cf_]b['k]h' dYcd' Y' fca 'UbchYf' W 'hi fU' [fci d
	C b]bY '5W]j]jm	F YZYW]cb'cb' h'fUbgW 'hi fU' a YbhU' \YU'h
	F YUX]b[7I @HI F 5@: 57HC F G 'B 'A 9BH5@ < 95@H < '5B 8 HF 5I A 5 F ccbYmž F "ž6" K f] [\hiUbX' ? " 'C fBY] 'f&\$ \$ * E' fggj Yg Z]VX' VmWUfYfg' cZdYcd' Y' k]h' U' a YbhU']' bYgg' fca W 'hi fU' mUbX']b[i]gh]W' mX]j YfgY' VUW] [fci bXg. WUfYfg' fUbx' dfUW]h]cbYfg' fidYfW' dh]cbg' f3gef' dS' Wž <agd S^ \ad fZW3VhS' UW_ W faX? W fS^: V\$ fZž) f&Ł' %& % " DccbžK " '7 "ž@" > ci VYfhUbX' 7 " < Ufj Ymf&\$%) E' fš @cb[]h' X]bU' g' h' XmcZ' h' Y' \YU'h 'UbX' k Y' VY]b['cZ W 'hi fU' mUbX']b[i]gh]W' mX]j YfgY' WUfYfg' cZdYcd' Y' k]h' 'dgmVXcg]g' f; ' fWd S' f[a' S^ < agd S^ aXEaU[S^ BekUZ [S' f' kž * % f] Łž +(' ! +) ' "Xc]. %\$ "%% + # \$ & \$ + * (\$ %)) ++, (' F Y]Z' gž @' ž6Ugg]]cgž 6 "žB]VXc' Ugž 5 "ž: 'YVX Yfž > "ž ' ?]b[ž? "ž9k YbžG" ž/ 'D] f_]gž > "f&\$%) Ł' -a dfcj]b[UWV]gg' hc' df]a Ufma YbhU' \YU'h WUfY' f' f' X] [Ybci g 5i ghU']Ubg' "3gef' dS' S' V @W_ LWS' S' V < agd S^ aX BekUZ [S' f' k' & + f&Łž % % ! % &, " Xc]. %\$ "%% + # \$ \$ \$ (, * + (%) * & \$ (*
K YY_ + . : % 5df] ' ! : + 5df]`	@YVh fY	@YVh fY. '@] YX' YI dYf] YbVW' cZdYcd' Y' k]h' a YbhU'] 'bYgg' UbX' h' Y] f' Z]a]]Ygž -a dUW' icZWUfY []]b[ž 7 cbVW' dhicZfYVčj Yfmž: Ua]midgmVXcYXi WU]h]cb dfc [fUa žK Y' bYgg' fYVčj Yfmh' c' UbX: Ua]m 7 cbgi 'h]h]cb' a cXY`
	Hi hc]f]U`	Hi hc]f]U. : Ua]m]bhYfj Ybh]cbgžK Y' bYgg' fYVčj Yfm h' c`
	C b]bY '5W]j]jm	A YbhU' \YU'h]ggj Yg' Z]VX' Vm]bX] [Ybci g dcdi 'U]h]cbg

	F YUX]b[@= 98 '9L D9F →B 7 9 7 \UdhYf' &'cZA YbHU' <YU'k']b' 5i glfU']U' 7 \UdhYf' &'cZE aU]S^l ad] BdSuf]UW[? W fS^: WS^Z
K YY_ ; . ; '5df]' ! '% ('5df]'	@YWh fY	@YWh fY '5. '8 fi [g'UbX'U'Wc' \c' 'fY'UH'X'X]gcfXYfgž A ch] Uh]cbU']bhYfj]Yk]b[@YWh fY '6. '8 Ya Ybh]U
	Hi hcf]U'	Hi hcf]U' . '8 fi [g'UbX'U'Wc' \c' 'fY'UH'X'X]gcfXYfgž A ch] Uh]cbU']bhYfj]Yk]b[
	C b']bY '5W]j]m	8 Ya Ybh]U
	F YUX]b[8 F I ; G '5 B 8 '5 @7 C < C @ 7 \UdhYf' &) 'cZA YbHU' <YU'k']b' 5i glfU']U' 8 9 A 9 B H → 7 \UdhYf' &&'cZA YbHU' <YU'k']b' 5i glfU']U'
K YY_- . : '% ('5df]' ! '&% '5df]'	@YWh fY	@YWh fY . '8 fci Xi W]cb' hcf]U' a U'UbX'fYg]]YbWž DHG8ž8]U[bcgh]WwcbWdhcZhfUi a UžHfUi a U]bZcfa YX'WfY'UbX'dfUW]WžCj YfUd'cZhfUi a U'UbX a YbHU'X]gcfXYfg'UbX'c] Yfj]Yk 'cZ]bhYfj Ybh]cbg'Zcf]bX]]Xi U'g'UbX' [fci dg
	Hi hcf]U'	Hi hcf]U' . HfUi a U']bZcfa YX'WfY'UbX'dfUW]Wž fH\i fgXUmc b'nt B chY . '8 i Y' hcf] ; ccX' : f]XUnžU' 'hi hcf]U'g'cb' : f]XUnž'-% '5df]' 'k]' 'VY'gWYXi 'YX' hcf] : f]XUm' &' '5df]' "
	F YUX]b[→HF C 8 I 7 H →B 'HC 'HF 5 I A 5 >Ua Ygž? "ž/ 'A UW?]bbcbž@' f&,\$%&Ł" →hY [fU]b['U hfUi a U'Ybg']bhc 'U ŽJa]'mh.YfUdmZfUa Yk cf_ . 'HYb df]bW]d'Yg'Zcf ŽJa]'mh.YfUd]ghg" '3 gefdS' S' S' V @W LWS' S' V <agd S^aX8S_ [k FZWsbkt %f lž% - !&\$- " ? b] [\hž 7 " f&,\$%) Ł" HfUi a U! →Zcfa YX'GcW]U'K cf_ DfUW]Wž . 'DfUW]Wž '7 cbg]XYfU]cbg'UbX 7 \U'Yb [Yg' '5 ↑ [US^E aU]S^l ad] <agd S ↑ &%fPž &) !' + "Xc]. %\$ "%\$ \$ + #g%\$ * %) ! \$ % (! \$ (, % * < Yfa Ubž > " @' fP% - , Ł" F YWc] YfmZca 'dgmWX'c' []WU' hfUi a U" 'DgmWX]UhfU'UbX'7 ']b]WU' 'BYi fcgWY'YbWg') &ž G - , !G%\$' " A UfgY' 'Už 5 " " > " f&,\$%&Ł" '9 hbcW 'hi fU' 'UgdYWg'cZ DHG8 . '5 b'c] Yfj]Yk 'cZWc' bWdhgž]ggi Ygž'UbX hfYUha Ybhg'F dSg_ Sfa 'aYkt # (f(Łž%+!&*" Xc]. %\$ "%\$ + #g' (+ *) * %\$' , , \$ * &

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

A YUXck gž; "ž: Uf\U`ž>"ž: cggYmž9"ž; f][[žA "žA W8Yfa chž: "ž/`G]b[\ž6" f&\$%&L"? W fS^ZWS fZ [3gefđŒŒ, 5a^STadŒf[hWUa__g` [fk bđŒUf[UWfł fX`YX"L"Gci h`A Y`Vci fbYžJ]Wcf]U. CI ZcfX`I b]j Yfg]m DfYgg"

F YWca a YbXYX`F Ygci fWg

6`UbXžF "žF Ybci ž`B"ž/`Hi ``[fYbž5" f&\$%) L`E aU[S^ł ad] BđŒUf[UW[? W fS^: WS fZ, 3` ;` fdaVgUf[a` f& YX"L"BGK ž5i gfU]U. 5``Yb`UbX`I bk]b"

7ci fgY`9j U`i Uh]cb`UbX`8Yj Y`cda Ybh

Gh XYbhZYXVUW_k]``VY [UhYfYX`]b`WUgg`UbX`i g]b[`I BGK `Yj U`i Uh]cb`gi fj Ymg`Uh`hY`YbX`cZ hY`gYa YghYf`cb`h`fY`UfYUg. Wci fgY`cj YfU``ž`YWfi fYg`UbX`h`hcf]U`g" H\]g`ZYXVUW_k]``VY`i gYX`h`g\UdY YUW`cZ`hYgY`UfYUg`cZ`hY`Wci fgY`h`ja dfcj Y`gh XYbh`YUfb]b[`YI dYf]YbW`i]b`ž`h`fY"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Hi fb]hb`Gi Va]gg]cb

zmc i`YbWci bhYf`U`dfcV`Ya`k` \Yb`U`H`Ya` dh]b[`hc`gi Va]hmc i`f`Ugg][ba YbhHfci [\`Hi fb]hbzd`YUgY
H`Y`d`l`cb`Y`9I`H`f`b`U`Gi` ddcfhcb`-`'` ,`)` " ` ' ` ' ` %cf`Ya` U]`H`Ya` `cb`YI`H`f`b`U`H`f`gi` ddcfh4` i` bgk` "YXi` "Ui` "Gi` ddcfh
`l`ci` fg`UfY` ,` .` \$\$Ua` -`-%\$.` \$\$da` `cb`k` YY`_`XUmg`U`bX`-` .` \$\$Ua` -`)` .` \$\$da` `cb`k` YY`_`YbXg`f`l` *)` `XUmg`U`m`Y`U`f`l`" zmc i
UfY`i` bUV`Y`hc`gi Va]hmc i`f`Ugg][ba YbhXi`Y`hc`U`ZU`i`h`k`]H`Hi`fb]hb`mc i`a` UmUdd`m`Zc`f`Ub`YI`H`f`bg]cbz`Vi` hmc i
a`i` ghf`Y`H]b`mc i`f`h]W`Y`h`bi`a` VYf`Z`ca` `9I`H`f`b`U`Gi` ddcfhf`U`cb[`k`]H`U`b`m`c`H`Y`f`f`Y`j` UbhXcW`a` Yb`hg`L`hc
]bW`i` XY`Ug`Y`j`]XYbW`hc`gi` ddcfhmc i`f`YI`H`f`bg]cb`Udd`]W`h]cb" zmc i`Ya`U]`9I`H`f`b`U`Gi` ddcfhmc i`k`]`
Ui`hc`a` Uh]W`m`f`Y`W`j` Y`U`h]W`Y`h`bi`a` VYf`z`Vi`h]Zmc i`H`Y`d`l`cb`Y`mc i`k`]`b`YYX`hc`gd`Y`W`Z]W`m`Ug`_`Zc`f`cb`Y"
Hi`fb]hb`U`gc`d`fcj`]XYg`i` dXUH`g`cb`H`Y`f`g`mg`h`Ya` `gh`U`h`g`cb`Hk`]H`Y`f`"

; YbYfU`m`z`UggYgga YbhHUg_g`a`i` ghVY`gi Va]H`Y`X`Y`Y`W`f`cb]W`m`j`]U`Y`]H`Y`f`Hi`fb]hb`cf`U`A` ccX`Y`
Ugg][ba Ybh`H`b`]bg`H`b`W`g`k` \Y`f`Y`H`L`g`]g`b`ch`id`cgg]V`Y`Z`]h`k`]`V`Y`g`H`Y`X`cb`mc i`f`W`ci` fg`Y`g`A` ccX`Y`g`]H`k`]H`
U`H`f`b`U`h]`Y`gi Va]gg]cb`XY`H]`g"

: cf`]b`Zc`fa` Uh]cb`cb`l`ck`hc`gi Va]h]Ugg][ba Ybh`g`cb`]b`Y`j`]U`A` ccX`Y` .` \`H`td`g` .`#`gh` XYb`h`i` bgk` "YXi` "Ui` #ack`!
gi Va]h]Ugg][ba Ybh`a` ccX`Y`

5 WUXYa]W<c bYghmUbX 'D`U[]Uf]ga

D`U[]Uf]ga]g'i g]b['hY`k cfXg'cf]XYUg'cZchYfg'UbX'dfYgYbh]b['hYa`Ug'mci f'ck b" #WUbb`hU`Y`a Ubm
Zfa gZ`Zca`XY`]VYfUHY`WXUhf]b['hc`UWV]XYbhU`mW`dm]b[`Zca`U`gci fW`k]hCi hUW_bck`YX[Ya Ybh`

I BGK`[fci dg'd`U[]Uf]ga`]bhc`hY`Z`ck]b[`WUHY`[cf]Yg.

7cdm]b[.`i g]b['hY`gUa Y`cf`j Yfmg]a]Uf`k cfXg`hc`hY`cf][]bU`hYI hcf`]XYU`k]hCi hUW_bck`YX[]b['hY`
gci fW`cf`i g]b[`ei chU]cb`a Uf_g" `H\]g`U`gc`Udd`Yg`hc`]a U[YgZ`UfhUbX`XYg][`b`dfc`YWgZ`Ug`k Y`Ug`
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k]hCi hWYX]h`

#Uddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[]b[`U`Z`k`k`cfXg`UbX`d`fUgYg`k`Y`a`cghmifYU]b]b[`hY`cf][]bU`
g]fi W`fY`UbX`#`f`dfc[`fYgg]cb`cZ]XYUg`cZ`hY`cf][]bU`Z`UbX`]bZ`fa U]cb`k`]hCi hUW_bck`YX[Ya Ybh`H\]g`U`gc`
Udd`Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k cfXg`k]hCi hWYX]hUbX`hc`
d]YW]b[`hc[Y`hYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k`c`Y`Z`k]hCi hUddfcdf]UHY`fYZYfYbW]b["

7c`i`g]cb.`k`cf_]b[`k`]h`chYfg`Vi`hdUgg]b[`cZ`hY`k`cf_]`Ug`U`dYfgcb`g`]bX]j`]Xi`U`k`cf_]`7c`i`g]cb`U`gc`
]bWi`XYg`dfcj`X]b[`mci`f`k`cf_]`hc`UbchYf`gh`XYbhVYZ`fY`hY`Xi`Y`XUHY`Z`cf`Z`f`hY`di`fdcgY`cZ`hY`a`
d`U[]Uf]g]b[`Uh`Ubm]h]a`Y`Z`dUm]b[`UbchYf`dYfgcb`hc`dYfZ`fa`Ub`UWUXYa`]W]Ug`_`Z`ghYU`]b[`cf`UW`ei`]f]b[
UbchYf`dYfgcb`g`UWUXYa`]Wk`cf_]`UbX`W`dm]b[`]h`cZ`Yf]b[`hc`W`a`d`Y`h`UbchYf`dYfgcb`g`k`cf_]`cf`gYY_]b[
dUma`YbhZ`f`W`a`d`Y`h]b[`UWUXYa`]Wk`cf_]`

#Uddfcdf]UHY`W]hU]cb.`7`h]b[`gci`fW`g`k`]\]W`Uj`Y`bchVYYb`fYUXZ`k`]hCi hUW_bck`YX[]b[`hY`"gYW`bXUfm`
gci`fW`Z`ca`k`]\]W`_bck`YX[Y`cZ`hY`a`U`g`VYYb`cV]h]bYX"

8i`d`]W]h]cb`f`f`gY`Z`d`U[]Uf]ga`"L`gi`Va`]h]b[`mci`f`ck`b`k`cf_]`b`k`c`Y`cf`]b`dUf`Z`k`Y`fY`]h`Ug`dYj`]ci`g`m`
VYYb`dfYdUfYX`cf`gi`Va`]hYX`Z`f`UbchYf`UggYgga`Ybhcf`W`i`fgY`UhI`BGK`cf`UbchYf`i`b]j`Yfg]m`

7cffYW`fYZYfYbW]b[`dfUW]W]g.

- DUfUd`fUg]b[`Z`gi`a`a`Uf]g]b[`Z`YggUm`k`f]h]b[`UbX`h]a`Y`a`UbU[Ya Ybh
- 5ddfcdf]UHY`i`gY`cZ`UbX`Uhf]Vi`h]cb`Z`f`U`fUb[Y`cZ`a`U`hYf]U`g`]b`\$

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- i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V]]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'I gY'cZ
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ

5 WUXYa]WbZcfa Uhcb`

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[`hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I B GK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcVWXi fYg/
- gdYWU`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a]gUXj Ybh fY/
- ghi XYbhYei]hmUbX`X]gUV`]`]m/
- UbX`chYfYggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

[\hhdg.#k k k "Ufmg"i bgk "YXi "Ui #W ffYbhghi XYbh\]bZcfa Uhcb`dfc\]Vc`g!\[i \]XY`\]bYg#](#)

⇒ U[Y`7 fYX]h

GmbYf[]Yg`]b`Gci bX`&\$%*`

7F ⇒ CG

7F ⇒ CG`Dfcj]XYf`7 cXY. '\$\$\$- , ;