



POLS5130

ϯhYfbUhjcbU`DYUW`UbX`GYW f]m

HYfa`Cby`##`&\$&%

GWXcc`cZGcWJU`GWYbWg`#`I`BGK`..5ftg`UbX`GcWJU`GWYbWg



7c f g Y G j Y f j Y k

G H J Z 7 c b H J W 8 Y H J ` g

7 c b j Y b c f g

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5 ` Y I U b X Y f ? c f c ` Y j	U " _ c f c ` Y j 4 \$ % o	% o		

7 ci fgY'8YHJ]g

7 fYX]hDc]bHg '*

Gi a a UfmcZhY'7 ci fgY

H\]g'Wci fgY'WcbWdh U]gYg'UbX'WcbHYI hi U]gYg'jbyfbUhcBU'gYW f]mUbx'dYUW'hcfc i [\ 'hY'Ybg'cZhY UWXYa]WX]gWd'jby'cZ'bhfbUhcBU'F Y'Uhc]bg" H\Y [cU']g'hc'Yei]d'mci 'k]h' hY'_bck'YX[Y'cZ]ZYfYbh UddfcUWX'YgZ'Wca dYh]b['dUfUX][a gZ'UbX'hYcFYhWU'XYVUH'g'fY'Yj Ubh'hc'i bXYfghUbx]b['hY'fYU'!k cfX gYW f]m]ggi Yg'i bZ'X]b[]b'hY'WcbHYa dcfUfm]bhyfbUhcBU'dc'j]h]Wg" H\Y'Z]fghdUfhcZhY'Wci fgY'Yi d'cfYg hY'fUX]h]cbU' UddfcUWX'Yg'hc']bhyfbUhcBU'gYW f]mUbx'Yi Ua]bYg'gi WX'd]j'cHU']bhyfbUhcBU']ggi Yg'Ug'hY f]gY'cZ7 \]bU'UbX'hY'fUbgZ'fa Uhc]b'cZhY' ['cVU'dck Yf'grfi W' fYz'F i gg]U'g'Z'cfY][b'dc']WmfYgi f[YbW UbX'ja d']W]h]cbg'Z'cf'hY'fUbg]5hUbh]WgYW f]mz'hY'gdFYUX'cZbi WYUf'k YUdcbg'UbX'hY' B'cfh' ? cfYUb bi WYUf'W]g]gZ'hY' [Y'cd']h]W' XmbUa]Wg'gi ffc'i bX]b['hY'G'ci h'7 \]bU'GYU'X]gdi h'z'hY'gi f]j U'cZga U' UbX'a]XX'Y'dck Yfg'Ua cb[gh[fYUhdck Yf'WcbZ'cbh]h]cbz'UbX'chYf']ggi Yg" H\Y'gYW'cbX'dUfhcZhY'Wci fgY g\Z]g'hY'Z'W'g'hc'hY'bcbl'fUX]h]cbU' #a i a Ub'gYW f]mih'fYUhg]b'hY'&%ghVWbh fmk]h'gdYWU'Ya d\Ug]g'cb Yhb]WUbx'Wj]'WcbZ]WgZ'hY'ffcf]ga z'Ybj]fcb'a YbhU'XY[fUXUhc]b'UbX'W]a UH' W'U'Ub[Yz'W'WYf]gYW f]mz'UbX chYf']ggi Yg'ZU']b['i bXYf'hY'WU]h[cfmicZ'cb!fUX]h]cbU'gYW f]m'

7 ci fgY'@YUfb]b['Ci hWca Yg

%' F YWc[b]gYz'Wca dUfYz'UbX'Udd'mX]ZYfYbh'hYcFYh]WU'dUfUX][a gZ'UddfcUWX'YgZ'UbX'WcbWdhg'hc UbU'mgY'UbX'Yi d'U]b'j Uf]ci g['cVU'UbX'fY[]cbU'gYW f]m]WU'Yb[Yg &' 5 ddfYW]U'f'hY'ghfYb[h'g'UbX']a]hg'cZhY'Yi]gh]b['hYcFYh]WU'Z'Ua Yk cf_g']b'Yi d'U]b]b['_Ym]ggi Yg]b['cVU'UbX']bhyfbUhcBU'gYW f]m]UZU]fg ' 5 bU'mgY'UbX'UddfU]gY'hY']bhyfbUhcBU'gYW f]m]WU'Yb[Yg'Wc] YfYX']b'hY'Wci fgY'Ug'k Y'Ug'hY ghU_YgZ'UddfcUWX'YgZ'dc']WYgZ'X]Ya a Ugz'UbX'VY'U]j]ci f'dU'fY'f'bg'cZhY']bj c'j YX'd'UmYfg

HYUW]b['GhfUH[]Yg'

5g'U'A Ughf'g'Yj Y'Wci fgYz'DC @G) % \$]g']bhybXYX'Vch'hc'gi dd'Ya YbhYI]gh]b['_bck'YX[Y'UbX Yi dYf]YbW'UbX'Ugc'hc'XYj Y'cd'Yi dYf]h]gY']b'hY'UbU'mg]g'cZhY'_'Ym]ggi Yg']b'5i ghfU']Ub'Z'cfY][b'dc']W'f' H\Y'Wci fgY']g'VUgYX'cb'hY'Uggi a dh]cb'hUgh'i XYbhg'\Uj Y'Ub'UW]j Y'fc'Y'hc'd'Um]b'hY'YUfb]b['dfcW'gg UbX'UfY'UW]j Y'dUfh]WdUbh]g']b'hY'dfcXi W]h]cb'cZ'_bck'YX[Yz'k \Y'hY'f'hY'm\Uj Y'df]cf'_bck'YX[Y'cf Yi dYf]YbW'cZ'hY'gY']ggi Yg'cf'bc'h' H\i gZ'hY'Wci fgY'UW]j Y'mYb[U[Yg'gh'XYbh]bj c'j Ya Ybh'h'fci [\]bXYdYbXYbhfYUX]b[z'WUgg'dUfh]WdUhc]b'UbX'hY'dfYdUfUhc]b'UbX'dfYgYbhUhc]b'cZk f]hY'b'k cf_"

H\]g'Wci fgY'gYY_g'hc'XYj Y'cd'mci f'W]h]WU'UbU'mg]g'UbX'Wca a i b]W]h]cb'g_]g'UbX'dfcj]XY'grfi W' fYX 'YUfb]b['gc'h.Uh'mci 'a UmUdd'm'hY'_bck'YX[Y' [U]bYX'X]fYW'm'hc'dfYgYbhUbX'Z' h'fY'WUfYfYg']b'Vi g]bYggz hY'di V]WgY'W'cf'UbX'hY'bcbl' [c] Yfba Ybhgy'W'cf" H\Y'Wci fgY']g'XYg][bYX'hc'Wcbf]Vi h'hc'Ub']bW' g]j Y W'ff]W' i a]b'hY'gh' XmicZ'bhfbUhcBU'F Y'Uhc]bg"

DC @G) % \$]g'XYg][bYX'Ug'U'gYa]bUf'fk]h'UXX]h]cbU'cb']bY'YUfb]b['UW]j]h]Yg']b'cfXYf'hc'a YY'hY' 'YUfb]b['ci hWca Yg']XYbh]ZYX'UVcj Y''5'gYa]bUf'Wb'VY'XYZ]bYX'Ug'U'WUgg'WcbXi W'YX'h'ci [\ 'UW]j Y gh'XYbhX]gW'gg]cbg'Ug'cddcgYX'hc'U'Y'W'fY']b'k \]W'hY'Y'W'fYf'U'cbY'i gi U'm'WcbXi W'g'hY'X]gW'gg]cb" : cf'YUW'gYa]bUf' =k]'dfcj]XY'U'Vf]YZdfYgYbhUhc]b'hc']b'f'cfXi W' 'hY'k YY'_g'hc'd]WUbx'a U]b'hYa Yg'UbX'hc' Z'Ua Y'hY'fYUX]b[g'UbX'X]gW'gg]cb'Z'cf'h.Uh'hc'd]W' H\Y'gYa]bUf'X]gW'gg]cbg'k]'dfcj]XY'U'grfi W' fYX Ybj]fcb'a Ybh]b'k \]W' 'mci 'WU']b'Yi d'cfY'mci f'cd]b]cbgz'WU'Yb[Y'W'ffYbhVY']Y'Zg'UbX'XYj Y'cd'bYk WcbWdh U'hc'c'g'UbX'i bXYfghUbx]b[g"

5b`Ya d\Ug]g`k]`VY`d`UWYX`cb`gh XYbH`YX`YUfb]b[`UbX`X]gW`gg]cbž`UbX`]h]g`YI dYWYX`h`UhU`gh XYbhg
k]`UW]j`Y`mV`bhf]Vi`h`h`[`fci`d`UbX`WUgg`X]gW`gg]cbg"Mc`i`k]`U`gc`VY`YI dYWYX`h`Yb[`U[`Y`]b
]bXYdYbXYbhgh Xnž`i`g]b[`h`Y`fYUX]b[``]gh`dfcj`]YXž`UbX`\Uj`Y`dfYdUfYX`df]cf`h`YUW`gYa`]bUf`Vm
W`a`d`Yh]b[`h`Y`fYei`]fYX`fYUX]b[`g`UbX`Ug`a`UbmicZ`h`Y`fYW`a`a`YbXYX`fYUX]b[`g`Ug`dcgg]V`Y"

5ggYgga Ybh

5g'fY'Uhj Y'miZk 'UfhjWYg'UfY'Ugg][bYX'YUWk 'kYY_žmci 'UfY'fYeI]fYX'hc'fYUX'U''cZkYa 'WJFYZ 'mVYZcFY
Wca]b['hc'WUgg''5Wlj Y'UbX']bZcfa YX'X]gW'gg]cbg'UfY'j]hU'hc'hkY''Z]'cZkY'Wci fgY''9] Yfmghi XYbh]g
YI dYW'YX'hc'UWlj Y'mWcbf]Vi h'hc'hkY'gVkc'UfmiYI WkUb[Y'hkci [\ci h'kY'Wci fgY''F Y[i 'Uf'Wcbf]Vi h]cbg
k]''\Y'd'mci 'hc'gi W'WYX']b'hkY'gYa]bUf'UbX'k]''Yb\UbW'hkY''YUfb]b['\$ %

5 HbXUbW F Yei JfYa Ybfg

5 ghi XYbh]g'YI dYWWX'hc'UHbX'U''WUgg'WcbhUW\ci fg'Zcf'U'ZJW'hc'ZJW'fi & E'cf'V'YbXYX'Wci fgY'UbX'Wca d'YH'U''UWj]]hYg'Zcf'U'V'YbXYX'cf'Z''mcb']bY'Wci fgY"

5 ghi XYbhk \c'Uff]j Yg'a cFY'hUb'%) 'a]bi H'g''UH'a UmVY'dYbU']gYX'Zcf'bcbl'UHbXUbW''Zgi W'U'dYbU'm]g'ja d'cgYXZ'hY'ghi XYbhia i ghVY']bZcfa YX'j YfVU'mUhihY'YbX'cZWUgg'UbX'UXj]gYX']b'k'f]h]b['k]h']b'&(\ci fg"

ZU'ghi XYbhYI dYf]YbW'g']'bYggza]gUXj Ybh' fY'cf'chYf'cWV' ffYbW' h'Uha U_Yg'UVgYbW'Zca'U' WUgg#UWj]]mi bUj c]XUV'Yz'cf'YI dYW'g'hc'VY'UVgYbhZca'U'Zc'f'h'Wca']b['WUgg#UWj]]mz'hYmg\ci 'X'gYY_ dYfa]gg]cb'Zca' h'Y'7ci fgY'5i h'cf]mz'UbX'k \YfY'Udd']WU'Yz'hY'f'fYei Yghg\ci 'X'VY'UW'Wca dUb]Y'VmUb c]f[]b'U'cf'W'f]Z]YX'Wcdm'cZU'a YX]W'W'f]Z]WU'h'cf'chYf'Zcfa'cZUdd'f'cd]U'h'Y'j]XYbW"

: c'f'a c'f']bZcfa U]cb'UVci h'hY'UHbXUbW' d'f'c'h'W'g']b'h'Y': UW' h'mcZ5'f'g'UbX'Gc'W]U'G'W]YbW'g. \h'rdg.#k k k "Uf'g"i b'gk "YXi "Ui #W' ffYbh'gh' XYbhg#UWUXYa]W]bZcfa U]cb'#d'f'c'h'W'g'! [i]XY']bYg#

: c'f'YggYbh]U'ghi XYbh]bZcfa U]cb'f'Y'U]h]b['hc'f'Yei Ygh'g'Zcf'YI h'bg]cb/fYj]Yk'cZa Uf_g/cWV' dU]cbU''\YU'h' UbX'gUZ'f'm'YI Ua]bU]h]cb'd'f'c'W'Xi fYg/gdY'W]U'W'cbg]XYfU]h]cb']b'h'Y'Yj Ybh'cZ]'bYgg'cf'a]gUXj Ybh' fY/ ghi XYbhYei]m'UbX'X]gUV]'m'UbX'chYf'YggYbh]U''UWUXYa]W]bZcfa U]cb'z'gYY \h'rdg.#k k k "Uf'g"i b'gk "YXi "Ui #W' ffYbh'gh' XYbhg#UWUXYa]W]bZcfa U]cb'#d'f'c'h'W'g'! [i]XY']bYg#

7 ci fgY'GWXYXi `Y

[J \]Yk'WUgg'h'a YhUVY](#)

H]a YhUVY`

8UH	HmdY	7cbhYbh
K YY_ '% %) : YVfi Ufm! %- : YVfi Ufm	GYa]bUf	Cj Yfj]Yk / '@c[]gh]Wg'cZ7ci fgY K \Uh]g']b'h'f'b'U]h]cbU'gY'W'f]m'3'K \m'Xc'g'h'U'h'g Yb[U[Y']b'k'Ufg3'<ck'W'U]b'g'h'U'h'g']j'Y'f'c'f'W'U]b'h'Y'm'U'h' U''E']b'd'Y'U'W'k']h'Y'U'W'X'c'h'Y'f'3'g']h']i' a' U]b'U'h'f'Y'z' h'Y'd'c']h'W]]g'm'g'h'Y'a'g'c'Z'g'h'U'h'g'z'c'f']b'h'f'b'U]h]cbU' U]b'U'f'W'X'm'h'U'h'W]i'gY'g']b'h'f'g'h'U'h'W'c'bZ']W'g'3
K YY_ '&.&': YVfi Ufm! '&*&': YVfi Ufm	GYa]bUf	H\Yc'fYh]W']5dd'f'c'U'W'X'Y'g'hc'h'Y'G'h'X]Y'g'c'Z -b'h'f'b'U]h]cbU' 'DY'U'W' 'UbX'GY'W'f]m' K \Uh]g'U'h'Y'c'f'm'3'K \m'Xc'k'Y'b'Y'Y'X'U'h'Y'c'f'm'3'<ck' hc'i'gY'h'Y'c'f'Y'g'hc'VY'h'f'f'i'b'X'Y'f'g'h'U]b'X'h'Y'f'Y'U'!k'c'f'X' Yj'Y'b'f'g'3'K \Uh]g' "h'Y'VY'g'h' "h'Y'c'f'm'Z'c'f'nc'i'f' f'Y'g'Y'U'f'W'3
K YY_ " : '%A UfW' !) A UfW	GYa]bUf	DYf'g]g'h'Y'bh'F]gY'c'Z7 \]b'U'UbX'h'Y'; fY'U'h'D'c'k'Y'f' 7cbZ]W'h' g'd'Y'U'W'Z']d'c'k'Y'f'f'U]b'g]h]cb'VY'h'Y'Y'b'h'Y']b']h'X' G'h'U'h'g'UbX'7 \]b'U'd'c'g'g]V'Y'c'f']g'h'Y'k'c'f'X'g']X]b[]b'hc'h'Y'h']i'W'h'X]Y'g'f'U'd'3'K \Uh'U'f'Y'h'Y']a' d']W]h]c'bg' c'Z7 \]b'U'g'W'c'b'h]bi'ci'g'f'g'Y'hc'h'Y'k'c'f'X'd'Y'U'W'3 K \Uh]g'h'Y']a' d'U'W'c'Z7'C'J' -8!% - ['c'V'U'd'U]b'X'Y'a]W

5df]

K \Uh]g'hY`ja dUW#cZ7CJ-8!%-`cb`]bHfBUhcU`
dYUW`UbX`gYW f]m3`K \Uh]g`]hg`ja dUW#c.b

Gi Va]gg]cb 'cZ5ggYgga YbhiHUg_g

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

≠Zmci 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UH'Ya dh]b['hc'gi Va]hmc' f'Ugg][ba YbhiH'fci [\ 'Hi fb]h]bž'd'YUgY
HY'Yd\cbY'9I HYfbU' 'Gi ddcfh'cb'-' ,) " ' ' %cf'Ya U] 'H'Ya 'cb'YI 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'f1 *) 'XUmg'U'm'UfL" ≠Zmci
UfY'i bUV'Y'hc'gi Va]hmc' f'Ugg][ba YbhiXi Y'hc'U'Zi 'hk]H'Hi fb]h]b'mci 'a UmiUdd'm'Z'f'Ub'YI HYbg]cbž'Vi hmc' i
a i ghfYHU]b'mci f'h]W_Yhbi a VYf'Z'ca '9I HYfbU' 'Gi ddcfh'fU'cb['k]H'UbmicH'Yf'fY'Y] UbhXcW a Yb'gk'hc

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

5 WUXYa]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[`tc.

- fYei Yg]Zcf`YI H`bg]cb/
-