

D5'' &\$\$'; :

D5%<u>&!; 6</u>

9CG;; a V<`!`9`YWMfc`Cdh]WU``GmghYag

DfcXiWh[·]HYIhg

D5'' &\$\$'; : `]g'U'k \]h]g\ž'[`Ugg!Z]``YX'dc`mUa]XY'%&'dckXYfž'k \]W\`]g'W\UfUVWYf]gYX'Vm'Ub'YI WY``Ybh'gh]ZbYgg']b'WcaV]bUh]cb k]h\`[ccX'Y`cb[Uh]cb'Uh'VfYU_''@UgYf!g]bhYfYX'dUfhg'aUXY'Zfca'D5'' &\$\$'; : 'dcggYgg'YI WY``Ybh'aUhYf]U`'dfcdYfh]Yg.

 $i^{(1)} [\ gh]ZzbYgg$

- i`\][\`a YVXUb]WU``k YUf!fYg]ghUbWY
- ; `[ccX`h\Yfa U```cUXUV]`]hm

i 'YI WY``Ybh'gi fZUWY'ei U`]hm

; `\][\`X]a Ybg]cbU``UWW fUWmUbX`XYHU]``fYgc`i h]cb

i [ccX'dfcWfggUV]`]hm

; YI WY`Ybh``cb[!hYfa 'WcbghUbh'VY\Uj]cif

5 'hmd]\WU``Udd`]\WUh]cb`Zcf`D5'' &\$\$`; : `]g'h\Y`i gU[Y`Y"["'Zcf`Z]bU``dUfhg`k]h\]b`h\Y`Yb[]bY`UfYU`cZ`\WJfgž`Zcf`XYYd!XfUk]b[`X]Yg cf`Ubm`ch\Yf`Udd`]\WUh]cb`k\]\\X`fYei]fYg`dUfh]\W``Uf`gh]ZzbYggž`\][\`\YUh'X]ghcfh]cb`hYa dYfUh' fY`UbX``ck`UVfUg]jY`kYUf"

AYWXUb]WU [∵] dfcdYfh]Yg	J U`i Y	l b]h	HYgh [·] GhUbXUfX
: `YlifU``acXi`igʻf&'š7Ł	&- \$\$	A DU	=GC *%+,
: `YI i fU``GhfYb[h\	+'	A DU	=GC *%+,
=ncX [°] =adUWh [°] bchWkYX [°] f&'š7Ł	("&	_>#a	=GC %, \$#%5
G\cfY`8`\UfXbYgg`f1%)gŁ	, \$!	=GC , * ,
6U```]bXYbhUh]cb`\UfXbYgg	-,	A DU	=GC`&\$' -!%

' 8 8 UHU	J U`i Y	l b]h	HYgh'GhUbXUfX
H\Y`dfcdYfh]Ya`cZ`dUfha`a UbiZUWhifYX`ia]b[`UXX]h]iY`a UbiZUWhif]b[`hYW\bc`a	:[mffY"["``UaYf`a]bhYf]b[ž`ahYfYc`]t	∖c[fUd∖mž∵iαYX`8Ydα	a]h]cb`A cXY``]b[ž'' 8 df]bh]b[ŁUfYž

Xi Yihc h\ Y]f`UmYf!Vm'UmYf!dfcXi Whjcbžhc gca Y Yi hYbhX]fYWhjcb XYdYbXYbh'`H\]g`\ Ug`hc 'YY Webg]XYfYX`k \Yb 'XYg][b]b[`h\ Y`dUfh`UbX`XYZ]b]b[`h\ Y`Vi]'X`cf]YbhUhjcb"

_HYbg]`Y`AcXi`ig`fL`8]fYWh]cbŁ	' &\$\$	A DU	=GC') &+! %#! &
HYbg]`Y`AcXi`ig`fM8]fYWh]cbŁ	' &\$\$	A DU	=GC) &+! %#! &
HYbg]`Y`AcXi``ig`fN`8]fYWM]cbŁ	&) \$\$	A DU	=GC) &+! %#! &
HYbg]`Y`GhfYb[h\`fL`8]fYWh]cbŁ) %	A DU	=GC) &+! %#! &
HYbg]`Y`GhfYb[h\`fM8]fYWh]cbŁ)%	A DU	=GC) &+! %#! &
HYbg]`Y`GhfYb[h\`fN`8]fYWh]cbŁ	(+	A DU	=GC) &+! %#! &
GhfU]b`Uh`6fYU_`fL`8]fYWM]cbŁ	-	I	=GC) &+! %#! &
7\Ufdmi]adUWhighfYb[h\flŽ&'š7žL'8]fYWh]cbŁflŽ&'š7Ł	')	_>#a	=GC *%+- #%YI
7∖Ufdmˈbch₩\YX`]adUWhighfYb[h\`flŽ&'š7žL`8]fYWh]cbとflŽ&'š7Ł)"(_>#a	=GC *%+- #%Y5

H\Yfa U``dfcdYfh]Yg	J U`i Y	l b]h	HYgh [:] GhUbXUfX
AY`h]b[`hYa dYfUhi fY`ff%\$š7#a]bŁ	%+ *	š7	=GC '%%') +! %#! '
J]WUh`gcZhYb]b[`hYa dYfUhi fY`fI)\$š7#\`)\$BŁ	%* *	š7	=GC ' \$*

Ch\Yf`dfcdYfh]Yg	J U`i Y	I b]h	HYghGhUbXUfX
8Ybg]hmfiUgYfg]bhYfYXŁ	%&&\$	_[#a	9CGAYh\cX

7∖UfUWWYf]gh]Wg/

DfcW¥gg]b[

:YUhi fYg

@UgYf`G]bhYf]b[

@ck`7cYZZ]W]Ybh`cZ`:f]Wh]cb

8Y`]jYfmZcfa

K∖]hY

@Ugh'WkUb[Y.'&\$%\$!%}!%) 'GcifWr.'kkk'a UhYf]U'XUhUWrbhYf"Wca

H\^TXUHU WcffYgdcbX'hc'ci f'_bck'YX[Y'UbX'YI dYf]YbW'Uh'h\Y'h]a Y'cZdi V']Wh]cb"H\YmXc'bch'cb'h\Y]f'ck b'fYdfYgYbh'Ugj Zcf'UbmdUfh'XYg][b2'bY]h\Yf'Xc h\Ymdfcj]XY'UbmU[TYYa Ybh'Uvci hcf'[i UfUbMY'h\Y'gdYW]WdfdYfh]Yg'cZU'dfcXi Whcf'dUfhcf'h\Y'gi]hUV]]mrcZU'dfcXi Whcf'dUfh'Zcf'U gdYW]DwUd]]WUh]cb"+h]g'h\Y fYgdcbg]V]]mrcZh\Y'dfCXi Wff'cf'W ghca Yf'cZU'dUfh'hc'W\YM_]]g'dfcdYfh]Yg'Ug'k Y'``Ug']hg'gi]hUV]]mrZf'U'dUfh]W'Uf'di fdcgY"H\]g'U'gC'Udd]]WUh]cb"+h]g'h\Y cZdcgg]V']]mrcZf'U'dUfh'w 'Uf'cdY'fWrf[[\ng'Ug'k Y'``Ug']Wg'UbX'fY[i 'Uh]cbg"H\Y'XUhU'Uf'gi V'YWhc'WLUb[Y'k]h\ci hbch]Wf'Ug'dUfhcZ9CGfiWebh]bi ci g'XYj Y'cda Ybh'UbX]a dfcj'Ya Ybh'dfcWfggYg"

DU[Y. '%#%