

## D5 '&&\$\$ '6U \Ub\\\' '%"\$

D5%&

9CG; a V<'!'9`YWfc'Cdh]WU`GmghYa q

I b lh HYah GhUb XUf X

## DfcXiWhiHYIhg

 $H\g`k\f] flg`i'\floor= H\g`i'\floor= H\g\$ 

- $i \sim [ \ \ ghfYb[h \ \ UbX gh]ZZbYgg$
- i [ccX:WXYa]WU`fYg]ghUbWY
- ; YI WY``Ybh``cb[!hYfa 'WcbghUbh'VY\Uj]cif
- $[ \ \ ][ \ \ gY`YVM][ ]hm`UbX`XYhU]``fYgc`i h]cb$
- i j Üf]ci gʻZ|blgN]b[ ˈdcgg]V]`]h]YgʻfY"[ "`a YhU``]gUh]cbžʻghcj Y`YbUa Y``]b[ žʻj ]VfUhcfm[ f]bX]b[ žʻhi V`Wt`ci f]b[ žʻVcbX]b[ žʻdck XYf WtUh]b[ žʻZcW\_]b[ Ł
- i 'V]c 'Wta duh]V Y 'UWWtfX]b[ 'hc '9B '=GC '%\$--'!%'UbX 'I GD#'Y| Y '' J =#%&%' \$7
- i 'Uddfcj YX'Zcf'ZccX'WtbhJWh']b'Wta d`]UbWf'k]h\'h\Y'9I 'D'Ugh]Wg'8]fYWh]j Y'&\$\$&#+&#97'fMI WYdh]cb.'\][\'U'Wt\c`]WZccXghi ZZL

 $\label{thm:def} Hmd]WU^Udd^]WUh]cbg^cZ^h(Y^a UhYf]U^UfY^Z ^mZ bWh]cbU^d^Ugh]WdUfhg^cZ^)[ \ Ygh'ei U^]mm''8i Y^hc^h\ Y^Y WY^Ybh'a YW\Ub)WU^dfcdYfh]Yg^h\ Y^a UhYf]U^]g^cZhYb^i gYX^hc^gi Vgh]hi hY^hmd]WU^]b^YWh]cb^a ci ^X]b[ 'd^Ugh]Wg'''H\ Y^V]cWta dUh]V]^]hm'U^ck g^]hg'i gYY''[ "'Zcf^dfcgh\ YqYqz^h\ Y^\][ \ UVfuq]cb^fYq]ghUbWY^U^ck q^Y''[ "'h\ Y^fYU^]qUh]cb^cZ^a ci UV^Y^dUfh'WbbYWh]cbg''$ 

## %\$'±a '`UmYf'h\]W\_bYgg

1 8 .8 NHN

H\Y`UXj UbhU[Y`cZh\Y`6U`UbWf`dUfUa YhYf`gYh`]g`Yei ]`]Vf]i a "`H\Y``UmYf`h\]<u>W</u>bYgg`cZ`‰\$`±a `cZZYfg`U`dYfZvWi`VU`UbWf VYhk YYb`dfcXi Wh]cb`Wcghgz`a YW\Ub]\Wf`dfcdYfh]Ygz`gi fZUWf`ei U`]hm`UbX`UWW fUWhf`=h`]g`h\YfYZcfY`gi ]hUV`Y`Zcf`dUfhg`k ]h\ j Ufm]b[`[Yca Yhf]Ygz`X]a Ybg]cbg`UbX`fYei ]fYa Ybhg"

A YVX Ub]WU`dfcdYfh]Yg	J U`i Y	l b]h	HYgh <sup>·</sup> GhUb XUf X
: `YI i fU``a cXi `i g`f&' š7Ł	%) \$\$	A DU	=GC ·%+,
=ncX =a dUWhbchWkYX f&' š7Ł	( "(	_>#a	=GC '%, \$#%5
G\cfY'8'\UfXbYgg'f%) gŁ	+)	İ	=GC ', *,

H\Y'dfcdYffjYg'cZdUffg'a Ubi ZUWN fYX'i gjb['UXXjhjj Y'a Ubi ZUWN fjb['hYW\bc'c[m'ff'"[" Xi Y'hc'h\Yjf''UmYf!Vm''UmYf'dfcXi Whjcbz'hc gca Y'Yl hYbh'XjfYWhjcb XYdYbXYbh''H\jg'\Ug'			
HYbg]`Y`AcXi`ig`fL`8]fYWN]cbŁ	%*)\$	A DU	=GC ') &+! %#! &
HYbg]`Y`AcXi`i g`fM8]fYWh]cbŁ	%*)\$	A DU	=GC ) &+! %#! &
HYbg]`Y`AcXi`igʻfN`8]fYVM]cbŁ	%*)\$	A DU	=GC ') &+! %#! &
HYbg]`Y`GhfYb[h\`fL`8]fYVM]cbŁ	(,	A DU	=GC ') &+! %#! &
HYbg]`Y`GhfYb[h\`fM8]fYVM]cbŁ	(,	A DU	=GC ') &+! %#! &
HYbg]`Y`GhfYb[h\`fN`8]fYVM]cbŁ	( &	A DU	=GC ') &+! %#! &
GhfU]b Uh 6fYU_ fL 8]fYWh]cbŁ	%	I	=GC ') &+! %#! &
GhfU]b Uh 6fYU_ fM8]fYVh]cbŁ	%	I	=GC ') &+! %#! &
GhfU]b Uh:6fYU_:fN:8]fYWh]cbŁ	(	I	=GC ') &+! %#! &
7\Ufdm]a dUWhghfYb[h\fŽ&'š7žL8]fYWh]cbŁfŽ&'š7Ł	) '	_>#a	=GC `%+ - #%YI
7\UfdmbchW\YX`]a dUWh`ghfYb[h\`flŽ&' š7žL 8]fYWh]cbŁflŽ&' š7Ł	( ",	_>#a	=GC *%+ - #%Y 5

H\Yfa U``dfcdYfh]Yg	J U`i Y	l b]h	HYgh GhUb XUf X
A Y`h]b[ 'hYa dYfUhi fY fl%\$\$7#a ]bŁ	%+ *	š7	=GC '%%' ) +! %#! '
J]WUhgcZhYb]b[ 'hYa dYfUhi fY'f) \$\$7#\ ') \$BŁ	%* '	š7	=GC '' \$*

Ch\Yf`dfcdYfh]Yg	J U`i Y	I b]h	HYgh <sup>·</sup> GhUb XUf X
8 Ybg]hmflUgYfg]bhYfYXŁ	- ' \$	_[ #a	9CG A Yh\cX

## 7\UfUWhYf]gh]Wg

D5	`&&\$\$	`6U`	Ub	VVY	·%"	\$
DEC	0/0					

9CG; a V<'!'9`YWfc'Cdh]WU`GmghYa g

DfcW/gg]b[

@UgYf'G]bhYf]b[

8 Y`]j YfmZcfa

K\]hY

7∖Ya]WW\`FYg]ghUbWY

; YbYfU``7\Ya ]WU``FYg]ghUbWY

9Wt`c[]WU`'jU`iUh]cb

I G'D\Ufa UWcdY]U'7`Ugg'J = 5ddfcj YX