

## D5 '&&\$\$ '6U`UbWY '%"\$

D5%&

9CG; a V<!!9YWfcCdh]WU`GmghYa q

## DfcXi hhYl h

8 Ugʻk Y]£`]W\Y': Y]bdi `j Yf`D5`&&\$\$`Ui Z`XYf`6Ug]gʻj cb`Dc`mUa ]X'%&`V]YhYh'a ]h'gY]bYa 'gY\f`Ui g[Yk c[YbYb'9][YbgW\UZngdfcZ] VfY]h[YZ] WXYfhY 5bk YbXi b[ga "[`]VX\_Y]hYb" @UgYf![Yg]bhYfhY 6Ui hY]'Y Ui g'D5'&&\$\$'VYg]hnYb Ui g[YnY]WXbYhY A UhYf]U`Y][ YbgVX UZhYb.

- ; '\c\Y': Ygh][\_Y]h'i bX'GhY|Z|[\_Y]h
- $i^{(ihY^7)}Ya _U^{(y)}bX][_Y]h$
- ; '\c\Y'@Ub[nY]hghUV]`]h} h
- i [i hY HfYbbgWX] fZYbUi Z" gi b[ 'i bX 8 YhU] hfYi Y
- ; ij ]Y`Z}`h][Y`BUWXVY\UbX`i b[ga "[`]WX\_Y]hYb`fh"`6"`A YhU``]g]Yfi b[ž`9]bVfYbb`UW\_]Yfi b[ž`; `Y]hgWX`Y]ZYbž`HUi WXZ}fVYbž 6Y `YVi b[ž'Di `j YfVYqVX]VX hi b[ž'6YZcWi b[Ł
- i 'V]c ca dUh]VY`'bUWX '9B '=GC '%\$--'!%'i bX'I GD#Yi Y`'J =#%&%'š7
- i 'nYfh]Z]n]Yfh'Z' f'@YVYbga ]lhY`\_cbHJ\_h' [Ya }£`XYf`9I !?i bghghcZl 8]fY\_h]j Y`&\$\$&#+&#97 'fbi gb". `\cW.U`\_c\c`]gW.Y
- ; Ybi gga ]hhY`Ł

Hmd]qW\Y`5bk YbXi b[Yb`XYq`K Yf\_qhcZZYq`q]bX`j c```Z| b\_h]cbqZ\\][Y`6Ui hY]`Y`\" W\qhYf`Ei U`]h} h"`5i Z'; fi bX`XYf  $\label{linear_property} \begin{tabular} U = &$ Gdf]lm[i ggk Yf\_glczZY"8 Ygk Y]lhYfYb Yf`Ui VYb X]Y 6]c\_ca dUh]V]`]h} h`XYg`A UhYf]U`g`X]Y 5bk YbXi b[ 'n"'6"']b`XYf`Dfch\Yh]\_ž'gck]Y  $X]Y^{c}Y^{J}YfgVX^{J}EZYgh][_Y]h^{X}Y^{F}YU^{g}]Yfib[^{V}KY[^{M}Yf^{G}UihY]^{J}YfV]bXib[Yb^{m}X]Y^{G}UihY^{G$ 

## % \$ ' ± a 'GW ]W hX ]W\_Y

6U`UbWY`nk]gW\Yb`: Yfh][i b[g\_cghYbž'A YV\\Ub]\_ž'CVYfZ} W\Ybei U`]h}h'i bX'; YbUi ][\_Y]h'' 9f'Y][bYh'g]V\\ gc'Z f'6Ui hY]Y i bhYfgVX]YX`]VX ghYf; Yca Yhf]Ybž; f" £Yb i bX 5bZcfXYfi b[ Yb"

A YVX Ub]gVX Y '9][ YbgVX UZhYb	K Yfh	9]b\Y]h	Df~ Zbcfa
=ncX'?YfVgWX`U[n}\][_Y]h'f&' š7Ł	( "(	_>#a	=GC '%, \$#%5
G\cfY\}fhY'8'fl%)gL	+)	ļ.	=GC ', *,

' 8 '8 UhY b	K Yfh	9]b\Y]h	Df~ <b>Z</b> bcfa
8]Y`9][Ybg\\\UZhYb`jcb`6UihY]`Yb`Uig`[YbYfUh]jYb`JYfZU\fYb`fk]Y`@UgYfg]bhYfb			
g/X ]/X lk Y]gYb 5i Z/Ui 'HY]'k Y]gY'j cb XYf'F]/X li b[ 'UV\} b[ ][ "'8]Yg'a i gg'VY] XY	f"?cbghfi_hjcb`ibX`CfjYbhjYfi	b[ 'XYg'6Ui hY]'g'VYf" W <u>g</u> JW	(n)[ n k yfxyb"
Ni [a cXi ``fL!F]W\hi b[Ł	%*)\$	A DU	=GC ') &+! %#! &
Ni [a cXi ``fMF]W\hi b[Ł	%*)\$	A DU	=GC ') &+! %#! &
Ni [a cXi ``fN!F]VXhi b[Ł	%*)\$	A DU	=GC ') &+! %#! &
Ni [ <b>Z</b> Ygh][ _Y]hˈfL!F]V\\ hi b[ Ł	(,	A DU	=GC ') &+! %#! &
Ni [ZYgh][_Y]hˈfMːF]Wkhi b[Ł	(,	A DU	=GC ') &+! %#! &
Ni [ZYgh][_Y]h fN! F]W\ hi b[ Ł	( &	A DU	=GC ') &+! %#! &
6fi VXXY\bi b[ 'fL!F]VXhi b[ Ł	%,	1	=GC ') &+! %#! &
6fi WXXY\bi b[ 'fMF]WXhi b[ Ł	%,	I	=GC ') &+! %#! &
6fi WXXY\bi b[ fN!F]W\h b[ Ł	(	l l	=GC ') &+! %#! &
7\UfdmGWX`U[n}\][_Y]h`f&'	)'	_>#a	=GC *%+- #%YI
7\Ufdm?YfVgV%`U[ n}\][ _Y]h'f&'	(",	_>#a	=GC *%+- #%Y5
6]Y[Ya cXi ``f&' š7ž'L!F]W\hi b[Ł	%) \$\$	A DU	=GC *%+,
H\Yfa]gVXY'9][YbgVXUZhYb	K Yfh	9]b\Y]h	Df~ <b>Z</b> bcfa
GWNa Y`nhYa dYfUhi f`fl&\$š7#a ]bŁ	%+ *	š7	=GC '%%' ) +! %#! '

H\Yfa]gW\Y`9][YbgW\UZhYb	K Yfh	9]b\Y]h	Df~ <b>Z</b> bcfa
GWka Y`nhYa dYfUhi f`f&\$š7#a ]bŁ	%+ *	š7	=GC '%%') +! %#! '
J]WUH.9fkY]Wib[ghYadYfUhiff)\$\$7#\`)\$BŁ	%* '	š7	=GC '' \$*

5bXYfY <sup>-</sup> 9][ YbgVX UZhYb	K Yfh	9]b\Y] <b>h</b>	Df~ <b>Z</b> bcfa
8]WkhY`ffUgYf[Yg]bhYfhŁ	- ' \$	_[ #a	9CG'AYh\cXY

8]Y:5b[ UVYb`YbhgdfYW\Yb`i bgYfYa `?Ybbhb]g! i bX`9fZU\fi b[ gghUbX`ni a `NY]hdi b\_h'XYf`J Yf` ZZYbh]W\i b[ "`G]Y`V]`XYb`U`Y]b`\_Y]bY`UI gfY]W\YbXY`; fi bX`U[ Y`Z` f`Y]bY 6UI MY]UI gY[ i b["'6Ygh]a a hY"9][ YbgWk UZhYb"XYg DfcXi \_hYg cXYf"Y]bYg'6UI MY]g'cXYf"X]Y 9][ bi b[ "XYg DfcXi \_hYg cXYf"; cb '6Ui MY]Yb"Z f'Y]bY 'gdYn]ZJgWY '5bk YbXi b[ k YfXYb`\]Yfa`]hk`YXYf] YfY]bVUfhbcW\[UfUbh]Yfh'8YfDfcXi nYbhcXYf`XYf5VbY\a Yf'Y]bYg^6Ui hY]g`]gh'Z f'X]Y`y VYfdf' Z b[`XYf'9][YbgW\UZhYb'i bX`XYf'9][bi b[`Z f'Y]bY\_cb\_fYh'5bk YbXi b[`] YfUbhk cfh]W\"8]Yg`[]'hUi W\\]bg]W\h]W\XYf'K U\fi b[`] cb'a "[`]W\Yb`GW\i mfYW\hYb\ygk]V\YghY\YbXYf; YgYmY'i bX'6Ygh]a a i b[Yb"'=a 'FU\a Yb XYf'\_cbh]bi ]Yf']W\" cb'9CG'VYhf]YVYbYb'9bhk ]W\"i b[g! i bX'J YfVYggYfi b[gdfcnYggY'\_"bbYb`g]W\"X]Y'5b[UVYb'c\bY'JcfUb\_"bX][i b[`] bXYfb"

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

## A Yf\_a U`Y

J YfUfVY]hi b[ ga Yh\cXYb 7\Ya ]\_U`]YbVYgh} bX][\_Y]h

@UgYfg]bhYfb 5``[Ya Y]bY'7\Ya ]\_U']YbVYgh} bX][\_Y]h

@]YZYfZcfa Yb x\_c`c[]gWkY'6Yk Yfhi b[

K Y]E I GD'7'Uggi J = Ni 'Uggi b[