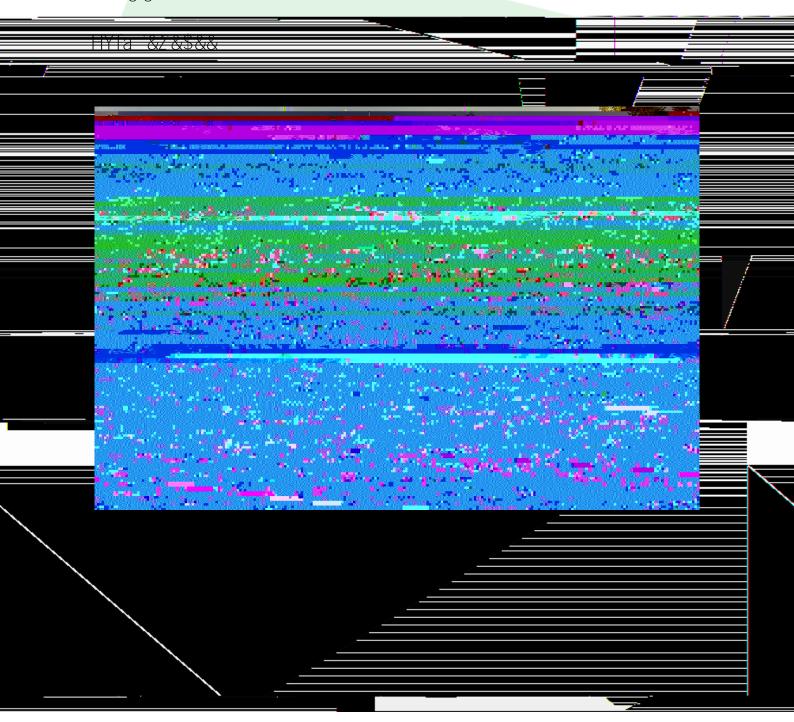


## **GMAT4061**

H\Yg]g<sup>.</sup>6



## 7ci fgY Cj Yfj ]Yk

## GHJZ:7cbHJWh8YHJ]`g

#### 7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]hm	@cWUh]cb	D∖cbY
>]b`]b[ 'K Ub[	<u>jb`]b["k Ub[ 4 i bgk "YXi "Ui</u>	Mci a UmWcbrUWn a Y j ]U HYUa g cf Ya U] Ubmiha Y"	79(%	-',)'(&\$'

#### GWXcc`7cbHJWh =bZcfa Uh]cb

9b[]bYYf]b[ \*\DXi glf]U``HfU]b]b[ -- \*\DXi glf]U``lfU]b]b[ 'ei Ygl]cbg'

LBGK Gh Xm5VfcUX - gh XmUVfcUX gh XYbhYbei ]f]Yg flcf ]bVci bX gh XYbhgŁ

I BGK '91 WXUb[Y'-ghi XYbhYl WXUb[Y'Ybei ]f]Yg'flcf']bVci bX'ghi XYbhgŁ'

LBGK : i h fy Gh XYbhg - dch bh U`gh XYbh Ybei ]f]Yg Y"["UXa ]gg]cbgž ZYYgž dfc[fUa gž WfYX]h lfUbgZYf

#### D\cbY.

fŽ\*%&Ł-',),)\$\$ - Bi WYi g Gh XYbh<i V

fŽ\*%%&£'-',) '+\*\*%'-'9b[]bYYf]b['=bXi ghf]U`'HfU]b]b['

fŽ\*%%&L-',) " %+- '-1 BGK 'Gh Xm5VfcUX'UbX'I BGK '91 WXUb[Y'fZcf']bVci bX'gh XYbhgL'

## 7ci fgY 8YHJ] g

## I b]hg~cZ7fYX]h~\*

## Gi a a UfmcZh\Y 7ci fgY

 $H\g"Wci fgY"]g"hY"gYWcbX"cZhk c"dUfhg"UbX"]g"i bXYfhU_Yb"UZhYf"h\Y"Wca d"YhJcb"cZ; A 5H($*$"H\Yg]g"5" H\Y"H\Yg]g"]bj c"j Yg"Zcfa i "UhJb["h\Y"XYg][ bg"Zcf"UbX"gc"i hJcb"hc"cdYb!YbXYX"gi fj YmJb["UbX"[ YcgdUhJU"Yb[]bYYf]b["dfcV"Ya gž"Ug"k Y""Ug"WkU"Yb[]b["Udd"]WUhJcbg""H\Y"h\Yg]g"dfc"YWhjcbg"cZa UhYf]U""UbX g_]bXi ghfmUbX"Ya Yf[]b["UfYUg"cZfYgYUfWk""H\Y"h\Yg]g"dfc"YWhg"k]""]bj c"j Y"Udd"]WUhJcbg"cZa UhYf]U""UbX g_]\"g"YUfbhh\fci [\ci hh\Y"i bXYf[fUXi UhY"dfc[fUa "UbX"k]""fYei ]fY"WfYUhJj Y"h\ci [\h"H\Y"Wci fgY"k]""]bWi XY"h\Y"dfYdUfUhJcb"cZfY"Yj UbhdfcZYgg]cbU""XcW a Ybhg""; A 5H($*%H\Yg]g"6"]bj c"j Yg"h\Y gUhJgZJWcfmdfYdUfUhJcb"UbX"gi Va ]gg]cb"cZUb"]bX]j ]Xi U"h\Yg]g"UXXfYgg]b["h\Y"dfc"YWhd"Ub"XYZ]bYX"]b ; A 5H($*$"H\Yg]g"5"$ 

## 7ci fgY 5]a g

H\]g`Wci fgY`Yb\UbWrg`h\Y`ghi XYbhg`g\_]``g`Zcf`i bXYfhU\_]b[ `gWXc`Uf`miYbei ]fmVmUhhYa dh]b[ `hc`UWX]Yj Y`U gdYWJZWhcd]WcVYWfj Y`k ]h\]b`U`XYZ]bYX`dYf]cX`cZh]a Y"`5`g][ b]ZJWUbhWca dcbYbhcZh\Y`Wci fgY`fY`UhYg`hc h\Y`fYj ]Yk `cZ`]hYfUhi fYžk \]W\`dfca chYg`]bXYdYbXYbhUbX`fYZYWfj Y``YUfb]b[ `Ug`k Y```Ug`]bWfYUgYg ghi XYbhg'`WUdUWJmmhc`XYj Y`cd`]bZcfa UhJcb``]hYfUWh''`H\Y`h\Yg]g`]g`Yl dYWYX`hc`fY]bZcfW'`h\Y`ghi XYbhg`UV]`]hm UbX`WcbZXYbWV`]b`Vch\`h\Y`cfU``UbX`k f]hhYb`Wca a i b]WUhJcb`cZhYW\b]WU``]bZcfa UhJcb"

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

 $52 \text{M} \text{figi WW} \text{ggZ} \text{ ``mWca d`Yh]b[ 'h\]g`Wci fgYž'mci 'g\ci `X`VY`UV`Y'hc.$ 

@YUfb]b[ 'Ci <b>hW</b> ca Y	95 GHJ[Y %7 ca dYhYbW]Yg
%"`I bXYftU_Y`UbX`YIYWihY`U`fYgYUfVX`dfc^YWh	D9%"( ž˙D9' "&ž˙D9' ")
&"`7cbXiVViU'h\cfci[\``]hYfUhifY'fYj]Yk	D9%" ž <sup>.</sup> D9%")
' "'GUhjgZJWjcb'cZjbhY``YWi U`Wfjcg]hm'UbX'WcbhfjVi hjcb'cZcf][ ]bU` ]XYUg'UbX'fYgYUfWX	D9%"&ž <sup>*</sup> D9' "'
("'8 Yj Y`cda YbhcZhfUbgZYfUV`Y`g_]``g`]b`h\Y`dfcWYgg`cZXYj Y`cd]b[ UbX`WfUZqb[`U`ZYUg]V`Y`fYgYUfW\`dfcYWh	D9%"* ž <sup>*</sup> D9' "%
) "`DfcXi WY`U`gY`ZWcbHJ]bYX`HYWXb]WU``fYdcfh	D9%"%Ž"D9%"(
*"'8YjY`cdaYbhcZcfU`'UbX'kf]hhYb'Wcaaib]\WUh]cb'g_]``g	D9' "&ž <sup>·</sup> D9' "(
+"`DfYgYbhih\Y`fYgYUfVX`]b`U`gYa]bUf	D9%"( ž <sup>·</sup> D9' "&
, "'8 Ya cbglfUlY'Ub'UV]`]lmilc'k cf_'lc'dfcXi W'XYg][ bg'k \]W XfUk i dcb'_bck YX[ Y'[ U]bYX']b'l\Y'i bXYf[ fUXi UlY'dfc[ fUa "	D9&"&ž'D9' ")
- "'6Y']b'U'dcg]hjcb'hc'a U_Y'U'dcg]hj Y'Wcbhf]Vi hjcb'hc'h\Y'k cf_ZcfW Ug'U'dfcZYgg]cbU`'Yb[]bYYf"	D9%") ž <sup>*</sup> D9&"'
%\$"`7f]r]WU``mYjU`iUhY`]bZcfaUh]cb`UbX`XYacbghfUhY`XYYd	D9%"%ŽD9' "%ŽD9' "(

@YUfb]b[ 'Ci HWca Y	95 GHJ[Y %7ca dYhYbW]Yg
Yb[]bYYf]b[ 'i bXYfglUbX]b[ 'cZh\Y'[]j Yb'XYg][ b'dfcYVV	

## HYUW.]b[ 'GlfUhY[]Yg'

 $H \ Y'h \ Yg]g']g'Ub']bX]j']Xi'U''h \ Yg]g']b'k \ YUW 'YUW 'gh' XYbh'k \ cf\_g'i \ bXYf'h Y'[i']XUbW 'cZUWUXYa \ ]W$ 

## 5ggYgga Ybh

5ggYgga Ybh'hUg_	K Y][ \h	8iY'8UHY	7 ci fgY @YUfb]b[ Ci HWca Yg 5ggYggYX
%"'91 hYbXYX'@hYfUhifY FYj]Yk'FYdcfh	%\$I	%\$#\$*#&\$&&'\$*.\$\$'DA	%ž &ž )
&"`DfYgYbrUrjcb`cb`±ojrjU` H\Ygjg'CirWcar	%) ၊	&+#\$*#&\$&&`\$&.\$\$`DA	%ž'(ž'*ž'+ž',
' "`H\Yg]g`GYa ]bUf DfYgYbฟฟฺcb	%) ၊	\$%#\$, #&\$&&`\$&.\$\$`DA	( ž <sup>.*</sup> ž <sup>.</sup> +ž <sup>.</sup> , ž <sup>.</sup> %\$
(": ]bU``H\Yg]g`F Ydcfh	* \$1	\$-#\$,#&\$&&`\$*.\$\$`DA	%ž' ž'( ž') ž', ž'- ž'%\$

## 5ggYgga Ybh% '9I hYbXYX @]hYfUh fY F Yj ]Yk 'F Ydcfh

8 i Y'XUhY. '%\$#\$\*#&\$&&`\$\*.\$\$`DA A Uf\_g'fYhi fbYX. ''K YY\_''

@]hYfUhi fY`fYj ]Yk`]g`U`Wf]hJWU``dUfficZUbmfYgYUfVX."'CjYf`hJa Yž]h]g`Yl dYWYX`h\Uha UbmbYk`fYgYUfVX fYgi``hg`a UmUddYUf`]b`j Uf]ci g``]hYfUhi fY"`H\i gž``]hYfUhi fY`fYj ]Yk`k]```VY`U`cb![c]b[`'hUg\_`Zcf`U dfcZYgg]cbU`#YgYUfVXYf"`5hh\Y`VY[]b]b[`cZh\Y`H\Yg]g`6ž]h]g`YggYbhJU``Zcf`YUVX`ghi XYbhhc`fYZYWhcb`h\Y fja Y`gfUffjb[ `Zfca `fh\Y`VY[ ]bb]b[ `cZHYfa `%fH\Yg]g`5Ł'fc 'h\Y`YbX`cZh\Y`HYfa `&fH\Yg]g`6Ł" ≠i]g`Yl dYWfX h\Unih\Y`H\Yg]g`GYa ]bUf`k ]```XY`]j Yfma i W. XYYdYf`i bXYfgfUbX]bb[ `cZh\Y`fYgYUfW\ 'fcd]WUbX`mci f`a i W. a cfY`gdYWJZ]WfYgYUfW\ `]ggi Yž'k ]h\`[ fYUhYf`WcbZ]XYbWf`zUbX``gi ddcfhYX`Vmmci f`gc`]X`ci hWca Yg`Zfca j Uf]ci g`fYgYUfW\ `UWfj ]hJYg"`H\Y`XYhU]`YX`a Uf\_]b[ `gW\Ya Y`k ]```VY`dfcj ]XYX`hc[ Yfh\Yf`k ]h\`h\Y`WUgg dfYgYbhUfjcb`]bghfi Wfjcbg`cb`h\Y`H\Yg]g`GYa ]bUf`]b`K YY\_`+"

5ggYgga Ybh(:: ]bU`H\Yg]g F Ydcfh

8 i Y XUhY. '\$-#\$, #&\$&& '\$\*.\$\$ 'DA A Uf\_q'fYhi fbYX. 'K YY\_'%

9UWX 'ghi XYbhik ]```]bX]j ]Xi U`mdfYdUfY 'UbX'gi Va ]hh\Y 'Z]bU``h\Yg]g fYdcfff'`H\]g']g'Ub`cddcfhi b]mhc fYZYWh cb'h\Y'k \c'Y' fYgYUfWX 'dfcWfgg'UbX'h\Y'ci hWa Yg'hck UfXg'cZh\Y']XYbhjZJYX'fYgYUfWX ']ggi Y'': ]fghmz'h\Y Z]bU``h\Yg]g 'g\ci `X'VY'k Y``ghfi Wi fYX'hc ``c [ ]\W``mUff]W`UhY'h\Y' fYgYUfWX 'hcd]\WufYUZ'YgdW]U``hm\][ \`][ \h]b[ h\Y gdY\WZ]WfYgYUfWX ']ggi Y']XYbhjZJYX'UbX'h\Y' fYgYUfWX cVYWfij Yg'hc 'VY'UWX]Yj YXZ'h\i g'XYa cbgHUf]b[ ih\Y a chjj Uhjcb'cZh\Y'dUff)W`Uff'YgYUfWX 'k cf\_"'Gi WX X]gWi gg]cbg'UfY'gi ddcfhYX'Vmh\Y'YI hYbXYX`]hYfUhi fY fYj ]Yk "'GYWcbX'mz'h\Y'fYgYUfWX 'a Yh\cXc'c[ mUbX'YI dYf]a YbHU``XYg][ b'Zcf'h\Y']bhYbXYX`fYgYUfWX ']ggi YUfY'YI d'U]bYX']b'XYfUJ]g'''H\]fX`mz''fY'Yj Ubhi]bj YghJ[ Uhjcb'UbX'YI dYf]a YbHU``fYgi `hg'hck UfXg'cZh\Y'fYgYUfWX cVYWfj Yg'g\ci X'VY'XYgWfVYX'UbX UbU'mYX'hc [ U]b'bYk ']bg][ \hg'UbX\_bck `YX[ Y'': ]bU``mz'WcbWi X]b[ fYa Uf\_g'UbX'fYwa a YbXUhjcbg'Zcf'Z hi fY'fYgYUfWX 'UfY'dfcj ]XYX'''9UWX'h\Yg]g 'fYdcfhik ]``]bWi XY'h\Y Zcfa Uhh'X``]ghicZU``h\Y'fYzYfYbWfg''': ]bU``h\Yg]g 'fYdcfhif' \$\ci \ck \]``VY'UggYggYX'VUgYX'cb'h\Y'Zc``ck ]b[ \wf]hYf]U.'UE'K f]hhYb'dfYgYbhUhjcb'f\@\ \ck \Zch\Yf'k cf\_ff) \ck \L'Y\cZch\Yf'k cf\_ff) \ck \L'Y\cZch\Yf'k a a YbXUhjcbg fYgfYfWx'k cf\_ff) \ck \L'Y\cZch\Yf'k cf\_ff) \ck \L'Y\cZch\Yf'k a a YbXUhjcbg fYgfYfWx'k cf\_ff) \ck \L'Y\cZch\Yf'k cf\_ff) \ck \L'Y\cZch\Yf'k a a YbXUhjcbg fYgfYfWx'k cf\_ff) \ck \L'Y\cZch\Yf'k cf\_ff) \ck \L'Y\cZch\Yf'k a a YbXUhjcbg fYgfYfWx'k cf\_ff) \ck \L'Y\cZch\Yf'k cf\_ff) \ck \L'Y\cZch\Yf'k a a YbXUhjcbg fYgfYfWx'k cf\_ff) \ck \L'Y\cZch\Yf'k cf\_ff) \ck \L'Y\cZch\Yf'k a a YbXUhjcbg fYgfYfWx'ff) \ck \L'Y\cZch\Yf'k cf\_ff) \ck \L'Y\cZch\Yf'k a a YbXUhjcbg fYgfYfWx'ff) \ck \L'Y\cZch\Yf'k cf\_ff) \ck \L'Y\cZch\Yf'k a a YbXUhjcbg fYgfYfWx'ff) \ck \L'Y\cZch\Yf'k cf\_ffy) \ck \L'Y\cZch\Yf'y\CZch\Yf'k a a YbXUhjcbg fYgfYfWx'ffy

•	•	•		

K YY_', .'% '>i `m!'&& >i `m	@YWhi fY	H\Y'h]a Y'g`ch`]g'fYgW\YXi `YX'Zcf'Z]Y`Xk cf_ž'XUhU Wc``YWn]cb'UbX'UbU`mg]g'
	K cf_g\cd	H\Yg]g`fYgYUfVX`dfc[fYgg`X]gWgg]cbg
K_YY_''&) '>i `m!'&-	@YWn fY	F YgYUfVW 'dfYgYbfUf]cbg/H\Yg]g GYa ]bUfg
>i `m	K cf_g\cd	H\Y'h]a Y'g`ch`]g'fYgW\YXi `YX'Zcf'Z]Y`Xk cf_ž'XUhU Wc``YWh]cb'UbX'UbU`mg]g
K YY_'%\$.'%'5i [i gh!') 5i [i gh	@YWhi fY	FYgYUfVX 'h\Yg]g'k f]h]b[/H\Yg]g'gYa]bUf dfYgYbhUh]cbg
	K cf_g\cd	H\Yg]gʻgYa ]bUfʻdfYgYbhUh]cbg"ʻ7 cbWi X]b[ fYa Uf_gʻcbʻh\YʻH\Yg]gʻ6
	5ggYgga Ybh	H\Yg]g`GYa]bUf`DfYgYbHJHcb.`8fUZhdfYgYbHJHcb g`]XYg`UfY`gi Va]HYX`%XUmYUf`]Yf`Zcf`ZYYXVUW_
Ghi XmK YY; 5i [i gh!	< ca Yk cf_	Gi Va ]gg]cb cZh\Y Z]bU`h\Yg]g fYdcfh
%%5i [ i gh	5ggYgga Ybh	: ]bU``H\Yg]g`F Ydcfh

## FYgci fW/g

## DfYgWf]VYX F Ygci fWYg

A UhYf]U`g`Zfca `dfYj ]ci g`; A 5H`Wci fgYg`h\Uh'mci `\Uj Y`gh X]YX"

 $H\Y`Dck\Yf`Dc]bh`YWhifY`g`]XYg`UfY`Uj\ U]`UV`Y`Zcf`Xck\ b`cUX`Ug`D8: ~Z]`Yg`Uhh\Y`Wci\ fgY`k\ YVg]hY''`9`YWhfcb]WfYgci\ fWYg`cb`h\Y``YWhifY`Uj\ U]`UV`Y`Uhh\Y`Wci\ fgY`k\ YVg]hY'''$ 

 $\label{thm:continuity} H\Y'WUgg'bchYgž``UhYgh'cifbU``Ufh]WYg'UbX'fYZYfYbWYg'fY`UhYX'h\Y'WcifgY'hcd]Wg'k]```VY'fYZYffYX'hc'UbX#cfX]ghf]VihYX'Xif]b[''h\Y'`YVWifYZ'']$ 

@cW g 7 \ UfhY f. 'Df]bW]d Yg 'hc 'gi ddcfhiYh\ ]WU ``UbX 'fYgdcbg]V Y 'dfUWf]WY 'k \ Yb 'i g]b[ ``cWUh]cb XUhU \ \ hdg. ##Y h\ ]WU \ [ Yc "cf[ #cW g! W\ UfhY f#

#### FYWca a YbXYX FYgci fWYg

UŁ```K f]h]b['G\_]``g`Gi ddcfhUhil BGK.:\hdg.#gh XYbh'i bgk "YXi "Ui #k f]h]b[
VŁ````7 ca di hYf`gcZk UfY fY`Yj Ubhhc'h\]g`Wci fgY`UbX`Uj U]`UV`Y`]b'h\Y`GW.cc`'g`Wca di hYf``UV
7 9\*%#&\$%`Z]bWi X]b[.``A UhUV'cf`A ]WfcGcZh'9| WY`žk\]W\k ]```VY'i gYX`Zcf`XUhU'UbU`mg]g`Zcf'h\Yg]g'fYgYUfW\
UWnj ]h]Yg"

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

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

D`YUgY`fYZYf`hc`h\Y`A ccX`Y`dU[Y`cZh\Y`Wci fgY`Zcf`Z fh\Yf`[i]XUbW\`cb`UggYgga Ybhigi Va]gg]cb"

#### I BGK `\Ug`U`ghUbXUfX``UhY`gi Va ]gg]cb`dYbU`hmcZ

• )ı 'dYf'XUmž'Zcf'U``'UggYgga Ybhg'k \YfY'U'dYbU'hm'Udd`]Ygž'WUddYX'Uh'Zjj Y'XUmg'f1%&\$`\ci fg\z'UZhYf k\]WX'U'ghi XYbh\WUbbchgi Va ]h'Ub'UggYgga Ybhž'UbX'bc'dYfa ]hhYX'j Uf]Uh]cb"

## 5 WUXYa ]W<cbYglmUbX D`U[]Uf]ga

6Yk UfY "5 b 'Ugg][ ba Ybhih Uh]bWi XYg 'd `U[ ]Uf]gYX 'a UhYf]U` 'k ]```fYWY]j Y 'U`\$ı : U]`ž 'UbX 'ghi XYbhg 'k \c d`U[ ]Uf]gY 'UfY 'U`gc '`]UV`Y 'hc 'X]gW]d`]bUfm'UWf]cbž ]bWi X]b[ YI Wi g]cb 'Zfca 'Ybfc`a Ybh'

D`U[]Uf]ga `]g`h\Y`i gY`cZUbch\Yf`dYfgcb'g`k cf\_`cf`]XYUg`Ug`]Zh\Ymk YfY`mci f`ck b"`K \Yb`]h]g`bYWfggUfmcf XYg]fUV`Y`hc`i gY`ch\Yf`dYcd`Y'g`a UhYf]U``mci 'g\ci `X`UXYei UhY`mUW\_bck `YX[Y`k \cgY`k cfXg`cf`]XYUg`h\Ym UfY`UbX`k \YfY`mci 'Zci bX`h\Ya `f[]j ]b[ `h\Y`Wca d`YhY`fYZYfYbW'`XYhU]`gž`]bWi X]b[ `dU[Y`bi a VYffg\te'\H\Y @YUfb]b[ `7 YbhfY`dfcj ]XYg`Z fh\Yf`]bZcfa Uh]cb`cb`k \UhWcbgh]hi hYg`D`U[]Uf]ga `Uh

## 5 WUXYa ]W = 2cfa Uhlcb

: ]bU`'9l Ua ]bUh]cbg.

: ]bU`YI Ua g`]b'H&`&\$&&`k ]``VY`\Y`X`cb`]bY`VYlk YYb`%&l\`!`&) l\`5i [i gh`&\$&&`]bWi g]j Yž`UbX gi dd`Ya YblUfmYI Ua g`VYlk YYb`) l\`!`- l\`GYdlYa VYf`&\$&&`]bWi g]j Y"`Mci `UfY`fYei ]fYX`lc`VY`Uj U]`UV`Y`cb l\\YgY`XUllYg"`D`YUgY`Xc`bchlc`a U\_Y`UbmdYfgcbU``cf`lfUj Y``UffUb[ Ya Yblg`Xi f]b[ `l\\]g`dYf]cX"`

#### 57589A = 758J = 79

- ?YmGtUZtc 7 cbtUWtZcf 5 WUXYa ]W5 Xj ]WY flc[ ]b k ]th mci f n=8 UbX dUggk cfXŁ \thdg.#|btfUbYtfW| Yb[ "i bak "YXi "Ui # YmgtUZltc! WcbtUWtXi f]b[!mci f!ghi X]Yg!Uhi bak
- <u>? Ymil\_BGK\_'8 UhYg'</u>! 'Y["'7 Ybgi g'8 UhYžYl Ua 'XUhYgž``UghXUmhc'Xfcd'U'Wci fgY'k]h\ci h\_UWJXYa [\\#Z\bUbW]\U```]\UV]`]\miYh\V''
- 7 J 9 B 'Gh' XYbh' = bhfubYhflc [ ']b 'k ]h\ 'mci f'n = 8 'UbX duggk cfXŁ '\hdg. #|bhfubYh'W| Yb [ "i bak "YXi "Ui #ah XYbh]bhfubYh
- Gri XYbh@ZY 'Uh7 J 9Bž']bWi X]b[ 'Gri XYbh
   GcW]Yh]Yg. \( \frac{1}{2} \) Hrdg. #k k k "i bgk "YXi "Ui #Yb[ ]bYYf]b[ #M] \( \frac{1}{2} \) !UbX!Ybj ]fcba YbHU\!Yb[ ]bYYf]b[ #gri XYbH\']ZY \( \frac{1}{2} \)
- GdYV)JU``7cbg]XYfUhjcb. '\hhdg.##ghi XYbh'i bgk "YXi "Ui #gdYV)JU`!Wcbg]XYfUhjcb
- ; YbYfU`'UbX'Dfc[fUa!GdYW]Z]WEiYgh]cbg. 'H\Y'BiWYig.'GhXYbh<iV'
- 6cc\_'Ub'5WJXYa ]W5Xj ]g]b[
  gYgg]cb.'\hdg.##Udd"UW ]mgWXYXi `]b[ "Wta #gWXYXi `Y"d\d3ck bYf1% \$&( +\*)\_

## 8]gWU]a Yf

FZ[e UagdeWagf]` WeWfe agf VWeUqlbf[a` aXU/SeeWe Sf fZWVSfWfZW5 agdeWA gf]` W[e bgT] feZWž FZW `SfgdWaXU/SeeWe \_ Sk UZS` YWVgd]` Y fZWF Wd\_ SXWd fZW5 agdeWA gf]` W[e bgT] feZWž? aaV WeZag V TW Ua` eg fW Xad fZWgb fa VSfWU/See VWeUqlbf[a` ež ;XfZWdW[e S` k [` Ua` e[efW Uk [` fZWVWeUdlbf[a` aX SUf[h[f]We TWfi WW fZWG` [hWde[fk f]\_ WfST WS` V fZW5 agdeWA gf]` W/Se gbVSfW [` ? aaV Wfi fZW VWeUqlbf[a` [` fZW5 agdeWA gf]` W/? aaV WSbb] fWež

## $= a U[Y^T f Y X] h$

A ]\_Y '; U`"

#### 7F = 7CG

7F=7CG'Dfcj]XYf'7cXY.'\$\$\$-,;

#### 5W bck `YX[ Ya YbhcZ7ci blfm

 $K Y : UW\underline{b} ck `YX[Y : h, Y : 6YXY[U : dY cd `Y : k \ c : UfY : h, Y : hfUX]h\underline{j} cbU : `W ghcX]Ubg : cZh, Y ``UbXg : cb : k \ ]W. T BGK ? Ybg]b[hcb : WUa di g : ]g ``cWUhYX"$ 

# 5ddYbX]l. '9b[]bYYfg'5i glfU`]U'f95Ł'DfcZYgg]cbU`'9b[]bYYf'7ca dYhYbWm GHJbXUfX

Dfc[fUa '±bhYbXYX'@YUfb]b['CihWca Yg	
?bck `YX[ Y`UbX`g_]```VUgY	
D9%%7cadfY\Ybg]j Yž'h\YcfmVUgYX'i bXYfgHJbX]b[ 'cZh\Y'i bXYfd]bb]b[ 'bUhi fU`'UbXd\mg]WJ`'gWJYbWYg'UbX'h\Y'Yb[ ]bYYf]b[ 'Z bXUaYbHJ`g'Udd`]WJV`Y'hc'h\Y'Yb[ ]bYYf]b[ 'X]gWJd`]bY	
D9%"&"7 cbWYdh U``i bXYfghJbX]b[ 'cZh\Y'a Uh\Ya Uh]Wgž'bi a Yf]WJ``UbU`mg]gž'ghJh]gh]Wgž'UbX Wca di hYf'UbX']bZcfa Uh]cb'gW]YbWYg'k \]W\'i bXYfd]b'h\Y'Yb[ ]bYYf]b[ 'X]gW]d`]bY	
D9%" :=b!XYdh\`i bXYfghUbX]b[ 'cZgdYW]U`]ghVcX]Yg`cZ_bck `YX[ Y`k ]h\]b`h\Y`Yb[ ]bYYf]b[ X]gW]d`]bY	