

# **MDIA5022**

7cfdcfUHY UbX ŧ∂HYfdYfgcbU` 7caaib]WUHjcb

### 7ci fgY 8YHJ]g

### 7 fYX]hDc]bhg\*\*\*

### Gi a a UfmcZh Y 7 ci fqY

DfcZygg]cbU``cf[Ub]nUh]cbU``Wcaaib]WUh]cb']g'ibXYfd]bbYX'Vmih\Y'UV]`]mihc'Zcfa'dcg]h] Y'fY`Uh]cbg\]dg UbX'bUj ][UhY'X]ZYfYbWfg']b'h\Y'k cf\_d'UWf'''K \]Y'k Y'cZhYb'Uggi a Y'h\Uh'Vi g]bYgg'Wca a i b]WUhjcb']g'U fUhlcbU``dfcW/ggžkcf\_d`UW/g`UfY`U`gc`]adUW/YX`cb`VmYachlcbg`h\UhYad`cmYYg`WUffmk]h\`h\Ya"`K\]Y ]ggi YgʻcZ`Ub[i U[YžW`h fY`UbX`Ya chcb`i bXYfd]b`U```]bhYfdYfgcbU``Wca a i b]WUhcbžgh XYbhg`]b`h\]g Wci fqY 'UfY 'dUfh/W 'Uf mYbWci fU[ YX 'c 'Udd'mh\Ycf]Yqž'WcbWYdhg 'UbX ']XYUg cZ]bh/fdYfqcbU`'Wca a i b]WUhlcb hc ']qqi Yqž'WkU``Yb[ Yqž'UbX'cddcfh b]hYq']b WcfdcfUhY 'UbX'ch\Yf'cf[ Ub]nUhcbU``WcbhYl hq"'H\Y'Wci fqY'k ]`` ZcWigicbiUdd`]WUhicbicZ]bhYfdYfgcbU`Wcaaib]WUhicbiWcbWYdhgiUbXidfcWYggYgihcicf[Ub]nUhicbU`WcbhYl hgž cddcfh b]hYgžWLU`Yb[YgUbX]ggiYg"?Ymhcd]Wg]bh\]gWcifgY]bWiXYcf[Ub]nUhJcbU`Wcaaib]WUhJcbUbX X]qWci fqYz'bY[ch]Uh]cbz'dYfqi Uq]cbz'UXj cWUWhz'a UbU[]b['WXUb[Yz'j U`i ]b['X]j Yfq]mz'Yh\]WU`XYW[q]cb! a U ]b[ UbX WcbZ]WhfYgc`i h]cb"

### 7 ci fqY @YUfb]b[ Ci HWca Yg

- %" 5dd`m]bhYfdYfgcbU``Wcaaib]WUh]cb`WcbWYdhg`UbX'dfcWYggYg`hc`cf[Ub]gUh]cbU``WcbhYI hg`UbX dfcV`Ya g
- &" 8 Ya cbglfUhY \_bck `YX[ Y cZcf[ Ub]gUh]cbU``Wca a i b]WUh]cb WcbWYdhg
- ' "5dd`mbY[ch]Uh]cb`UbX`dYfgi Ug]cb`g\_]``gžUbX`h\Ycf]Yg`cZa UbU[]b[`W\Ub[Y
- ("91Ua]bY'h\Y']adcfhUbWY'cZjU'i]b['X]jYfg]mžYh\]WU`XYWg]cb'aU\_]b['UbX'WcbZ]WifYgc'ih]cb

### HYUWX ]b[ GhfUhY[ ]Yg

Ghi XYbhgʻUfYʻUg\_YXʻncʻfYZYWricbʻn\YʻgYhfYUX]b[gʻVYZcfYʻYUVXʻWUggžUbXʻVf]b[ʻn\Y]f'ei Ygh]cbgʻUbXʻ]XYUg UVci hit\YʻfYUX]b[gʻVUgYXʻcbʻn\Y]fʻck bʻi b]ei YʻYI dYf]YbWYgʻncʻYUVXʻWUgg"

#### GHUfh'XUHY.

@Yb[h\.`&ž)\$\$Ž`kcfXg

**8YHJ]`g**. `&) \$\$`k cfXg`Zcf`k f]HYb`fYZYWjcb"`H\]g`]g`H\Y`ZjbU``UggYgga YbhHUg\_"K f]HYb`ZYXVUW\_`dfcj ]XYX j ]U`Hi fb]h]b"

Hi fb]h]b'gYh]b[.`H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'h\fci [\`Hi fb]h]b'UbX'ghi XYbhg'Xc'bchgYY'Hi fb]h]b g]a ]`Uf]hmifYdcfhg"

### 5HYbXUbWYFYei]fYaYbhg

## 7cifgY<sup>·</sup>GWXYXi`Y

### <u>J]Yk WUgg'Ha YHJV'Y</u>

### H]a YHJV`Y'

8 UHY	Hmd Y	7 c bhYbh
K YY_'%'%'GYdHYa VYf'! &\$'GYdHYa VYf	GYa ]bUf	GYa ]bUf. '=bHfcXi Wi]cb. '9a ch]cbžF Uh]cbU`]hmUbX nci f'7 ca a i b]WUh]cb'GhmY'pHYUa k cf_'UbX dUfh]W]dUh]cb'p9I d'U]b'h\Y'; fci d'5ggYgga Ybh HYI HVcc 'DfYZUWY/7 \UdhYf'% '=bHfcXi Wi]cb/ 7 \UdhYf'' . 'F Uh]cbU']hmž8 YW]g]cb'A U_]b[ ž G5 VQ gY'cZ=bZcfa Uh]cb'p7 \UdhYf', . DUfh]W]dUh]cbžHYUa gžUbX'8Ya cWfUWnUhK cf_/ A YU']YUž6U'HUnUfžF Ua cb'f&\$\$) E75 'GHfUHY[]W ; i ]XY'Zcf'6i ]'X]b[ '9ZZYWi]j Y'HYUa g'' K \Uh]g'Wca a i b]WUh]cb3'pK \UhUfY'h\Y'g_]'`g'Zcf ']ghYb]b[ 'UbX'fYgdcbX]b[ 'p <ck 'xcyg'gy'zx]gwcgi="" fy<br="">UbX'YI dfYgg]cb'cZZYY']b[ g'UZYVWiWca a i b]WUh]cb3'p &lt; ck 'Xc'Ya ch]cbg'g\UdY']bHYfdYfgcbU''UbX</ck>

		]gʻh\Y`X]ZYfYbWY`VYfkYYbʻaUb!`U[YaYbhUbX `YUXYfg\]d3`pK\UhUfY`gcaY`X]ZYfYbhUddfcUW\Yg hc``YUXYfg\]d3`pK\Uh`]g`"j]g]cb"`UbX`\ck`]g`]h Wcaaib]WUhYX3`p <ck`xc``yuxyfg\]d`ghmyg`ubx`ud! dfcUW\YgʻaUb]Zygh]b`X]ZYfYbhWi`hifU``WcbhYI hg3</ck`xc``yuxyfg\]d`ghmyg`ubx`ud! 
K_YY_''.''\$`GYdhYa_VYf'! (`CWhcVYf	GYa ]bUf	GYa ]bUf. DYfgi Ug]cbžBY[ch]Uh]cbžUbX DfcZYgg]cbU`GdYU_]b[
		HYI hVcc dd' \$( '\$-/?Ybhf&\$%%±ž7\UdhYf**ž 7fYUh]b[`DYfgiUg]jYAYggU[Yg/7\UdhYf GdYYWXYg/`DfcZYgg]cbU`DfYgYbHJh]cbg/ GW\bY]XYff&\$%&±žHYUWX]b[`U`BYk`BY[ch]Uh]cb/ FcVV]bg/` <ibgu_yf 7\udhyf%.`dyfgiux]b[="" <br="">7\UdhYf&amp;%`BY[ch]Uh]cb/G_]``g`DUfUX][a"</ibgu_yf>
		; i]XY`]bYg'Zcf'YZYWf] Y'bY[ch]Uh]b["'p <ck'xc WcadYh]h] Y'UbX'Wc``UVcfUh]jY'bY[ch]Uh]cb'ghmYg X]ZYf3'pK \Uh]g'h\Y'XYZ]b]h]cb'cZdYfgiUg]cb3 8YgWf]VY'dYfgiUg]cb'HUW'h]Wg'UbX'ghfUhY[]Yg"'p DYfgiUg]cb']b'dfcZYgg]cbU``diV`]WgdYU_]b["'p D`Ubb]b['UbX'dfYdUfUh]cb'Zcf'diV`]WgdYU_]b['p ;fUaYkcf_g'Zcf'dfUWf]WfZXY`]jYfmUbX'YjU`iUh]cb"</ck'xc 
K_YY_`(.`+`CWbcVYf`!`%% CWbcVYf	GYa ]bUf	GYa]bUf. ≒bhYfdfYh]b['UbX`AUbU[]b['7cbZ]Wh
		HYIHVcc7\UdHYf%\$.9bVcibHYf]b[ž =bHYfdfYh]b[žUbXAUbU[]b[7cbZ]Vh <ufacbm UbX8]gVcfX]bCf[Ub]nUh]cbU`@]ZY/:Y\f/ ;Y`ZUbXf&amp;\$%&amp;EZH\Y:cf![]j]b[Cf[Ub]nUh]cb.5 Ai`h]`YjY`AcXY`CZ:cf[]jYbYgg'UhKcf_p;fcid 5g_gYggaYbhg'6Y[]b"BchY.YUVX'kYY_h\Ym g\ci`X'VY'VYHYf'h\Ub'h\Y'kYY_VYZcfY'Ug'mci `YUfb'Zfca`mcif'dYYfg"</ufacbm 
		K ∖Uhi]gʻh∖YʻbUhi fYʻcZWcbZ]Wr3ʻp <ckʻ]gʻwcbz]wh Uhhf]Vi hYXʻk]h\]bʻ[fci dgʻUbXʻcf!`[Ub]gUh]cbg3ʻpK ∖Uh UfYʻh\Yʻgci fWrgʻcZWcbZ]Wr3ʻpi€X]j]Xi Uʻž[fci dž a UWfcžWi`hi f!`Uʻ`pi<ckʻhcʻ]xybh]zmih\y`x]zzyfybh d\UgYgʻcZWcbZ]Wr3ʻpi<ckʻhcʻ]xybh]zmih\y`x]zzyfybh a UbU[YʻWcbZ]Wr3ʻpi<ckʻxcygʻubʻcf[ub]guh]cb a UbU[Yʻ]bhYf!cf[Ub]gUh]cbU``WcbZ]Wr3</ckʻxcygʻubʻcf[ub]guh]cb </ckʻhcʻ]xybh]zmih\y`x]zzyfybh </ckʻhcʻ]xybh]zmih\y`x]zzyfybh </ckʻ]gʻwcbz]wh 
KYY_`).`%(`CW/cVYF'!`% CW/cVYf	GYa ]bUf	GYa]bUf.5bU`mg]b[`Cf[Ub]gUh]cbU`7i`hifY`UbX 7caaib]WUh]cb
		HYIHVcc7\UdHYf'(7i`hifYžGiVWi`hifYgžUbX Cf[Ub]nUh]cbU``GcW]U`]nUh]cb/`7\UdHYf'%). 5bU`mg]b[`Cf[Ub]nUh]cbU``7caaib]WUh]cb/ HcmcgU_]f&\$%%4ž7f]h]!`WU``7cad`YHY!AYaVYf 9h\bc[fUd\m`H\Ycf]n]b[`8]U`YWh]Wg`cZ 7cbgYbgig`UbX`7cbZ]Wh`]b`=bhfUWi`hifU` 7caaib]WUh]cb/H\caUg`f&\$\$(4ž8]jYfg]hmUg GhfUhY!`[m/`6UggYhtl>cbYg`f&\$\$)4žH\Y`DUfUXcI

		cZ8]jYfg]mAUbU[YaYbhž7fYUh]j]mUbX =bcjUh]cb/@f9HJb[`f&\$%&łžDiV`]WFY`Uh]cbgž 7i`hfY`UbX`5bh\fcdc`c[m_`HckUfXg`Ub 9h\bc[fUd\]WFYgYUfW\5[YbXU'p; fcid 5ggYggaYbhpGiVa]h`Dcgg]V`Y`Hcd]W=XYUg K\Uh]g`W`hfY3`pK\UhXcYg`]haYUb`fc`"Xc" W`hfY3`pK\m]g`h\Y`WcbWfdhcZW`!`hfY`fY`YjUbh]b cf[Ub]nUh]cbU``WcbhYI hg3`p <ck`wdb`mci`ubu`mgy W`hfY3`pH\]W_XYgWf]dh]cbž``Ub[iU[Y`UbX bUffUh]jYg"`p<ck`wdb`mci`ubu`mgy``ub[iu[y`ubx bUffUh]jYg"`p<ck`wdb`mci`ubu`mgy``ub[iu[y`ubx bcb!`jYfVU``VY\Uj]cif`]b`]bhYfdYfgcbU``UbX cf[Ub]nUh]cbU``Wcaaib]WUh]cb`WcbhYI hg3`p7cbhYbh UbU`mg]gžX]gWcifgY`UbU`mg]gžfYUX]b[`aYggU[Yg`Ug U`"hYI H"`pK\Uh_]bXg`cZaYh\cXg`UfY`igYX`hc`Wc`YW XUhU`Zfca`]bhYfdYfgcbU``UbX`cf[Ub]nUh]cbU` Wcaaib]WU!`h]cb`WcbhYI hg3`p5fhYZJWfgžgifjYmgž</ck`wdb`mci`ubu`mgy``ub[iu[y`ubx </ck`wdb`mci`ubu`mgy``ub[iu[y`ubx </ck`wdb`mci`ubu`mgy 
K YY_`*.`&%C W&cVYf'!`&) C W&cVYf	GYa ]bUf	<pre> bh/fj ]Yk gžcVgYfj UhcbžWcbj YfgUhcbU``UbU`mg]g" GYa ]bUf. '#Ybh]miUbX'7 ca a i b]WUhcb`]b`; `cVU` UbX`A i `h]W``hi fU``7 cbhYl hg`pDck Yf`UbX'7 cbhfc` ]b`Cf[ Ub]gUhcbg HYI hVcc '7 \UdhYf`). '7 ca a i b]WUh]b[ `#Ybh]hm =bX]j ]Xi U``mUbX'7 c``YWh] Y`m'7 \UdhYf`%. 7 ca a i b]WUh]b[ `]b`; `cVU``UbX`A i `h]W``hi fU` 7 cbhYl hg/7 UfVUi [\žBi W]zcfcžGU]hcž/ `G\]b f&amp;\$%&amp;z 8]U`c[ i Y `]b`7 fcgg!7 i `hi fU` DYfgdYWh] Y. '&gt;Ud!`UbYgYž? cfYUbž'UbX`F i gg]Ub 8]gWci fgYg/@UbY'/ '? Ybhf&amp;\$%+E'8]U`c[ i Y`UbX 9b!`[ U[ Ya Ybh'p; fci d`5ggYgga Ybh'' 7 \UdhYf` `Dck Yf`UbX'7 cbhfc``]b`Cf[ Ub]nUh]cbU` @]ZY/? YbhzGca ! a YfZY`Xhz/ `GUZYf`f&amp;\$%'E'GcW]U` bYfk cf_gždck Yfz`UbX`di V`]WfY`Uh]cbg. `HYfh]i g = b[ Ybg`Ug`U`WcWfYUh]cbU``UddfcUWX`hc`ghi Xm]b[ fY`Uh]cbg\]d`bYfk cf_g/A W Uf! ``UbX`f&amp;\$\$%E'( 6i ``YhdfccZGhfUhY[ ]Yg`: cf`Gi fj ]j ]b[ `CZZ]WY Dc`]h]Wg`p; fci d`5ggYgga Ybh'pGi Va ]h: ]bU` Hcd]Wg'zH\Yg]gz´6]V`]c[ fUd\m' K \Uhi]g'[ `cVU`]nUh]cbU``JXYb!`h]h[Yg3`pK \Uh _]bXg`cZ`cWU![ `cVU`HYbg]cbg']a dUWicb cf[ Ub]nUh]cbg3`p&lt; ck`UfY`hY X]gVci fgYg`cZX]j Yfg]m UbX`a i 'h]W` h`fU]ga`i gYX]b`cf[ Ub]nUh]cbU` WcbHYI hg3`pK \UhXc`hXmfYZYWiUcci hihY`bUh fY`cZ dck Yf`]b`cf[ Ub]nUh]cbg3`p&lt; k`Uhfc`Y`Wb Wca a i b]WUh]cb`d`Um]cbg3`p&lt; ck`Wb X]bX[] ]Xi U`g`UbX`cf[ Ub]nUh]cbg3`p&lt; ck`Wb Yba]i [Xi U`g`UbX`cf[ Ub]nUh]cbg3`p&lt; ck`Wb Xa a i b]WUhcb`d`Um]b`WYUhb[ `]bWi g]j Y`k cf_]b[ Ybj]fcba Ybhg3`p&lt; ck`Wb X]] YfgY`j c]W'gCVY ]bWcfdcfUhYX]bhc`cf[ Ub]nUh]cbg3`p&lt; ck`Wb JbX]] ]Xi U`g`UbX`cf[ Ub]nUh]cbg3`p&lt; ck`Wb X]bX]] ]Xi U`g`UbX`cf[ Ub]nUh]cbg3`p&lt; ck`Wb Xa b]WHcb`d`Um]b`WYUhb[ `]bWi g]j Y`k cf_]b[ Ybj]fcba Ybhg3`p&lt; ck`Wb X]] YfgY`j c]WfgCbg]j Y </pre>

		hc"Vch\"cWU"UbX"["cVU"WcbhYIhg3
		<pre>&lt; ck `]g`dck Yf`XYf]j YX3`pK \UhUfY`dYfgcbU``UbX dcg]f]cbU``gci fWYg`cZdck Yf3`p&lt; ck `]g`dYfgi Ug]cb i gYX`hc`bY[ ch]UhY`dck Yf3`pK \UhfYk UfXg`cf di b]g\a Ybhg`WUb`VY`i gYX`hc`Y`]W]hdck Yf3`p&lt; ck XcYg`cbY`bUj ][ UhY`Ub`cf[ Ub]gUh]cb'g`dc`]h]WU` `UbXgWUdY3`pK \Uhcj Yfhcf`gi VhY`Zcfa g`cZ fYg]gHUbWY`hc`dck Yf`WUb`Uf]gY3</pre>
K YY_`+.`&, `C Wtc VYf`!`%	5ggYgga Ybh	GYa]bUf.`9h\]Wg`UbX`JU`iYg`]b`Cf[Ub]gUh]cbg
Bcj Ya VYf		HYI HVcc7\UdHYf %(GdYU_]b[cZ9h\]Wg UbX J U`i Yg`]b Cf[ Ub]nUh]cbg/5f! X]W\j ]`]ž >cbX`Yž ? ck g_Yž7cfbUW\]cbYž@]ž/ `H\U_UX]di fUa f&\$%&Łž9h\]WU``7 i `hi fYg`]b @Uf[ Y`6i g]bYgg Cf[ Ub]nUh]cbg`]b 6fUn]`žF i gg]Už &X]UžUbX 7 \]bU/GW\k Ufm f&\$% Łž8Yj Y`cd]b[ `UbX gi gHJ]b]b[ `Ub`Yh\]WU``WcfdcfUhY`W``hi fY.`H\Y WcfY`Y`Ya YbIg`p; fci d`5ggYgga Ybh'
		K \mXc'Yf\]Wg'a UHHYf3'pK \UhWcbgh]hi HYg'Yf\]WU` XYW]g]cb!a U_]b['UbX'Yf\]WU`'VY!'\Uj ]ci f3'pK \Uh']g h\Y``]b_'hc'j U'i Yg'UbX'\ck 'a UmigHUbXUfXg'j Ufm3'p K \UhYf\]WU`'UWf]cb'HYghg'WUb'VY'Udd`]YX3'p@Y[U`]hmž ZJ]fbYggž'j ]g]V]`]hmž'[YbYfU`]hmž'`Y[UWhipK \Uh'UfY'f\Y [i]XYdcghg'hc'Yf\]WU`'XYW]g]cb'a U_]b[3'p <ck'wub k Y'bY[ch]UHY'Yf\]Wg']b'U'Wfcgg!W'ih fU`'WcbhYI h3</ck'wub 
K_YY_`, .`( `Bcj Ya VYf`!`, R ci Va VYf	5ggYgga Ybh	GYa]bUf.`Cf[Ub]gUh]cbU``7\Ub[Y
Bcj Ya VYf		HYIHVcc'7∖UdhYf'‰'Cf[Ub]nUh]cbU``7∖Ub[Y UbX`7∖Ub[Y!FY`UhYX`7caaib]!`WUh]cb/ F]WXUfXgcb'⁄`8Ybhcb`f‰-*½7caaib]WUh]b[ 7∖Ub[Y`p;fcid`5ggYggaYbh'
		K \Uhi]gʻW\Ub[Y3ʻpK \UhUfYʻh\YʻX]a Ybg]cbgʻcZ W\Ub[Y3ʻp <ck wʻw¥ggʻcz<br="" ʻxcʻkyʻ↑x[yʻh\yʻgi="">cf[Ub]nUh]cbUʻW\Ub[Y3ʻp<ck ʻxcʻkyʻwcaaib]wuhy<br="">UbXʻaUbU[Y`W\Ub[YʻYZİZYWh]jY`m3ʻpK \UhUfYʻgcaY ghfUhY[]YgʻZcfʻdfcach]b[ʻWfYUh]j]hmiUbX`]bbcjUh]cbʻ]b h\Yʻkcf_d`UW¥3</ck></ck>
K YY_'-∵‰Bcj Ya VYf'! %) Bcj Ya VYf	FYUX]b[	F958-B; K99?
K YY_`%\$.`% `Bcj Ya VYf`! &&`Bcj Ya VYf	GYa ]bUf	GYa]bUf.`GcW]U``FY`Uh]cbg\]dgžBYhkcf_g`UbX HYW\bc`c[m
		HYIHVcc7∖UdhYf`*7cbbYWh]b[`H\fci[\ GcW]U`FY`Uh]cbg\]dg`UbX`BYHccf_g/7\UdhYf`%&. H\Y`AYUb]b[g`UbX`IgYg`cZ`Cf[Ub]nUh]cbU` 7caaib]WUh]cb`HYW\bc`c[]Yg/´6UmažN\Ub[ž/ @]bf&\$%(Łž`GcW]U``=bhYfUWh]cbg`5Wfcgg

	AYX]U/DUdUW\Uf]gg]f&\$\$-ŀžH\Yj]fhiU` [Yc[fUd\]Yg`cZgcW]U``bYfkcf_g.`U`WcadUfUh]jY UbU`mg]g`cZ:UVWVcc_ž@]b_YX+b`UbX 5GaU``Kcf`X
	<pre><ck 'k]h\]b<br="" 'xcyg']bzcfa="" 'yx[y'zck="" uhlcb'ubx'_bck="">bYfk cf_g3'pK \c'UfY'h\Y'_Ym'YUXYfgž'[UhY_YYdYfgž UbX'k \c']g''YZrici h3'fbYfk cf_'UbU`mg]gEpK \m g\ci 'X'k Y'YghUY']g\'bYk 'fY`Uhlcbg\]dgž'UbX'k \m a ][\hk YU_'hJYg'VY']a dcffUbh3'p<ck 'xc'k="" y'cd<br="" y'xyj="">U'gYbgY'cZVY'cb[]b['cf']XYbh]m]b'U'k cf_'WbbhYI h3'p K \UhimdYg'cZV4'a a i b]WUhlcb'g_]``g'Xc'mci 'bYYX'hc k cf_']b'['cVU``mWbbbYWfYX'k cf_'Ybj]fcba Ybhg3'p <ck 'hywbc'c[]yg'uzzywiv&a="" 'xc'byk="" a="" b]wuhlcb']b<br="" i="">cf[Ub]gUhlcbg3'p<ck 'xc'x]gwbi="" fgyg'uvci="" h<br="">hYWbc'c[m]a dUWricb'YI dYWUhlcbg'UbX'gcWJU` fYU']h]Yg3'p<ck 'xc'mci="" 'xyj="" gh]b'cb`]by!cb`m<br="" y'cd'hfi="">bYfk cf_g3'pK \UhiUfY'h\Y'UXj UbhU[Yg'UbX X]gUXj UbhU[Yg'cZgmbWkfcbci g'UbX'UgmbWkfcbci g Wba a i b]WUhlcb3'p<ck 'ufy'hywbbc'c[]yg'i="" gyx'hc<br="">Yb\UbWY'ghUh g'UbX'dck Yf3'p<ck 'xc'byk<br="">hYWbc'c[]Yg'a U_Y'cf[Ub]nUhlcbg'a cfY'cf'Ygg XYa cWfUhlW8'K \UhimdYg'cZ]bZcfa Uhlcb'UbX Wba a i b]WUhlcb'HYWbbc'c[]Yg'Xc'mci 'i gY']b'X]ZYfYbh cf[Ub]nUhlcbU'`UbX'Wba a i b]WUhjty'FYXba a i b]WUhjcb'HYWbbc'c] Yb'AbhY B'K \UhimdYg'cZ]bZcfa Uhlcb'UbX</ck></ck></ck></ck></ck></ck></ck></pre>
K YY_`%%`&) Bcj Ya VYf`! GYa ]bUf &- Bcj Ya VYf	GYa ]bUf. Mci žiMci fi7 c``YU[i YgžiMci fi7 UfYYf
	FYZYWJcbicbi5ighfU`]UbiUbXi]bhYfbUhJcbU``WcfdcfUhY WcbhYIhgiUbXimcifZhifYip:]IibU``H\ci[\hg''pH\]fX 5ggYggaYbhž9ggUmž8iY'%%()id"a"`:f]XUm BcjYaVYf&-"

### F Ygci fWg

### DfYgWf]VYX F Ygci fWfg

FYgci fWfg

FYei]fYX HYI HVcc\_

7\YbYmž; "ž7\f]ghYbgYbž@"`H"žNcfbžH"`9"ž/`; UbYg\žG"`f&\$%%L"`AdYS`[ISf[a`S^Ua\_\_g`[USf[a`[`S` SYWaXY^aTS1[Sf[a`,;eegWeldWXWUf[a`elbdSUf[UWe/\$`VWW[f[a`fž@cb[`; fcjYž=:KUjY`UbX`DfYgg"

BchY. 'Zci f'Wcd]Yg'cZh\Y'Vcc\_'UfY'Uj U]`UV`Y']b'h\Y'`]VfUfm"

#### FYWca a YbXYX FYgci fWYg

FYWca a YbXYX<sup>-</sup>FYgci fW/g

5gimci "VYWca Yi"]bhYfYghYXi"]bi'j Uf]ci gidfcZYgg]cbU`ihcd]Wgzimci "UfYiYI dYWhYXihciYb[U[Yi]biYI hfUifYUX]b[g cbimci fick bihciYbf]WXimci fii bXYfghUbX]b[icZWca a i b]WUh]cb":5giUidcgh[fUXi UhYimci ig\ci `XiVYiWUdUVY cZgY`ZX]fYWhYXi"YUfb]b[icZU`a cghUbmh]b[""Mci iU`gcibYYXihcifYUXiUfh]WYgiUgidUfhicZh\YifYei ]fYXiWUgg UggYgga Ybhg"'9I Ua diYgicZi gYZ `ici fbU`gimci ia UmWcbg]XYfiVfckg]b[i]bWi XYifVi hUfYibch`]a ]hYXihck

5g]Ub<sup>·</sup>>cifbU<sup>··</sup>cZ7caaib]WUh]cb

5hUbhjW>cifbU~cZ7caaibjWUhjcb

5i ghfu`]Ub'>ci fbU``cZ7ca a i b]WUh]cb

7\]bYgY`>cifbU``cZ7caaib]WUH]cb`7caaib]WUH]cbž

7 i `h fY'/ '7 f]h]ei Y

7 ca a i b]WUh]cb FYgYUfW. 7 ca a i b]WUh]cb H\Ycfm

7 cfdcfUHY<sup>-</sup>7 ca a i b]WUHjcbg

7 cfdcfUhY FYdihUhjcb FYj]Yk

7 f]h]WU``Ghi X]Yg`]b`A YX]U`7 ca a i b]WUh]cb

8]gWcifgY77caaib]WUh]cb

<ia Ub<sup>\*7</sup>ca a i b]WUh]cb<sup>\*</sup>F YgYUfWX

<ia Ub F Y`Uh]cbg

#### €hYfbUhjcbU``>cifbU``cZGhfUhY[]W7ca!aib]WUhjcb

>ci fbU``cZ5dd`]YX'7ca a i b]WUh]cbg'F Y!'gYUfWX

H\Y'>ci fbU``cZ6i g]bYgg'7ca a i b]WUh]cb'>ci fbU``cZ7ca a i b]WUh]cb

>ci fbU``cZ7ca di hYf!A YX]UhYX`7ca a i ! b]WUh]cb

>ci fbU``cZ=bHYfbUHjcbU``UbX`=bHYfW``H fU``7 ca a i b]WUHjcb

>ci fbU``cZCf[Ub]nUh]cbU``7i `h fYž7ca !a i b]WUh]cbž/ `7cbZ]Wh

A UbU[Ya Ybhi7ca a i b]WUh]cb E i UfhYfmCf[Ub]nUh]cb GhiX]Yg

Di V`]WF Y`Uhjcbg'F Yj ]Yk

EiUfhYf`m`>cifbU``cZGdYYW

H\Y`UVcjY`^cifbU`g`UbX`ch\Yf`fYgcifVWg`WUb`VY`UVWWggYX`Zfca`h\Y`IBGK`@]VfUfm kYVg]hY.`kkk"`]VfUfm"ibgk"YXi"Ui

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

H\Y'ghi XYbh`YUfb]b[`YI dYf]YbW']g`]a dcftUbh'c 'h\Y': UW `hmž'Wɛbj Ybcfg`UbX``YWi f! 'Yfg`]b'h\]g'Wɛi fgY" H\fci [\ci ht\Y'Xi fUh]cb`cZ7cfdcfUhY`UbX`=bhYfdYfgcbU``7ca!`a i b]WUh]cb`ghi XYbhg`UfY`YbWɛi fU[ YX'hc dfcj ]XY'Y]h\Yf`Zcfa U``UbX#cf`]bZcfa U``ZYYX!`VUW\_`cb`h\Y]f'YI dYf]YbWg`cZh\Y`Wɛi fgY"'H\]g'k ]```VY`UbU`mgYX VmghUZZUbX`]bWɛfdc!`fUhYX`]bhc`h\Y`gYa YghYf`dfc[ fUa `k \YfY`dcgg]V`Y"`5ht\Y`WɛbWi g]cb`cZh\Y`gYa YghYf U`Zcfa U``ghi XYbhYj U`i Uh]cb`]g'dfcj ]XYX'hc`YbUV`Y`ZYYXVUW\_`cb`h\Y`Wɛi fgY`WɛbhYbhUbX`hYUW\]b[``ghUZ'`H\]g U``ck g`Zcf``cb[ Yf!hYfa `ghi XYbh]bdi h]bhc`Wɛi fgY`XYg][ b" Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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

D`U[]Uf]ga `]g`i g]b[ 'h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b[ 'h\Ya `Ug`mci f`ck b"`+i\WUb`hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b[ 'hc`UVW]XYbhU``mWcdm]b[ 'Zfca `U`gci fWf`k ]h\ci hUW\_bck `YX[ Ya Ybh'

I BGK '[fci dg'd`U[]Uf]ga ']bhc'h\Y'Zc``ck ]b['WUhY[cf]Yg.

7 cdm]b[..'i g]b['thY'gUa Y'cf'j Yfmg]a ]`Uf'k cfXg'tc'thY'cf][]bU`'thYI h`cf']XYU'k ]th`ci hUW\_bck `YX[]b['thY gci fVW'cf'i g]b['ei ctUt]cb'a Uf\_g"'th\]g'U`gc'Udd`]Yg'tc']a U[Ygž'Ufh'UbX'XYg][b'dfc'YWtgž'Ug'k Y``'Ug dfYgYbtUt]cbg'k \YfY'gca YcbY'dfYgYbtg'Ubct\Yf'g']XYUg'cf'k cfXg'k ]th`ci hWfYX]t'

■Uddfcdf]UhY`dUfUd\fUg]b[..7\Ub[]b[`U`ZYk`k cfXg`UbX`d\fUgYg`k \]`Y`a cghmfYhU]b]b[`h\Y`cf][]bU` ghfi Whi fY`UbX#cf`dfc[fYgg]cb`cZ]XYUg`cZh\Y`cf][]bU`ž`UbX`]bZcfa Uh]cb`k ]h\ci hUW\_bck `YX[ Ya Ybh`H\]g`U`gc Udd`]Yg`]b`dfYgYbhUh]cbg`k \YfY`gca YcbY`dUfUd\fUgYg`Ubch\Yf\*g`]XYUg`cf`k cfXg`k ]h\ci hWfYX]hUbX`hc d]YW]b[`hc[Yh\Yf`ei chYg`UbX`dUfUd\fUgYg`]bhc`U`bYk`k \c`Yžk]h\ci hUddfcdf]UhY`fYZYfYbW]b["

7 c``i g]cb.'k cf\_]b[ 'k ]h`:ch\Yfg'Vi hdUgg]b[ 'cZ!h\Y'k cf\_'Ug'U'dYfgcb'g']bX]j ]Xi U``k cf\_"'7 c``i g]cb'U`gc ]bWi XYg'dfcj ]X]b[ 'mci f`k cf\_'hc'Ubch\Yf'gh XYbhVYZcfY'h\Y'Xi Y`XUHYžcf'Zcf'h\Y'di fdcgY'cZh\Ya d`U[ ]Uf]g]b[ 'UhUbmh]a Yž'dUm]b[ 'Ubch\Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa ]WhUg\_žghYU`]b[ 'cf'UV&i ]f]b[ Ubch\Yf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'Wcdm]b[ ']hž'cZYf]b[ 'hc'Wca d`YhY'Ubch\Yf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZcf'Wca d`Yh]b[ 'UWUXYa ]Wk cf\_"

=ðUddfcdf]UhY`W]hUh]cb. 7]h]b[`gci fWYg`k \]W\`\Uj Y`bchVYYb`fYUXžk]h\ci hUW\_bck `YX[]b[`h\Y`´gYWcbXUfm´ gci fWY`Zfca`k \]W\`\_bck `YX[Y`cZh\Ya`\Ug`VYYb`cVhU]bYX"

8id`]WUh]cbffigY`Zd`U[]Uf]ga "Łigi Va]hh]b[imcifick bik cf\_ži]bik \ciYicfi]bidUfhžik \YfYi]h\UgidfYj]cigim VYYbidfYdUfYXicfigi Va]hhYXiZcfiUbch\YfiUggYggaYbhicfiWcifgYiUhi BGK icfiUbch\Yfib]jYfg]hm"

7 cffYWhfYZYfYbWjb[dfUWfjWYg.

- DUfUd\fUg]b[žigi a a Uf]g]b[žiYggUmk f]h]b[ 'UbX'h]a Yia UbU[ Ya Ybh
- 5ddfcdf]UhY i gY cZUbX Uhf]Vi h]cb Zcf U fUb[Y cZa UhYf]U g ]bWi X]b[ 'hYI hz ]a U[Ygz Zcfa i `UY UbX WcbWYdhg"

€DX]j ]Xi U``Ugg]gHJbWF`]g`Uj U]`UV`Y`cb`fYei YghŹca `H\Y`@YUfb]b[ `7 YbHY`f\Hd.#k k k "`Wi bgk "YXi "Ui #" Ghi XYbhg`UfY`U`gc`fYa ]bXYX`H\UhWUfYZ ``Ha Y`a UbU[ Ya Ybh']g`Ub`]a dcfHJbhdUfhcZghi XmUbX`cbY`cZh\Y ]XYbh]Z]YX`WJi gYg`cZd`U[ ]Uf]ga `]g`dccf`Ha Y`a UbU[ Ya YbH'Ghi XYbhg`g\ci `X`U``ck `gi ZZ]W]YbhHa Y`Zcf fYgYUfW\žXfUZf]b[ `UbX`dfcdYf`fYZYfYbW]b[ `cZgci fWfg`]b`dfYdUf]b[ `U```UggYgga Ybh]Ha g"

IBGK "@]VfUfmiU`gc`\Ugʻh\Y`9@~G9`hcc``UjU]`UV`Y`hc`Ugg]ghimci`k]h\`mcif`ghiXmiUhIBGK "`9@~G9`]g XYg][bYX`hc`]bhfcXiWY`bYk`ghiXYbhg`hc`ghiXm]b[`UhIBGK `Vih]hWUb`U`gc`VY`U`[fYUhifYZfYg\Yf`Xif]b[`mcif ghiXm"

7 ca d`Yhjb[ 'h\Y'9@~~~~~~ f]U``UbX'ei ]n'k ]``YbUV`Y'mci 'hc.

- UbU'mgY'hcd]Wgžd'Ub'fYgdcbgYg'UbX'cf[Ub]gY'fYgYUfWX'Zcf'UWUXYa]Wk f]hjb[''UbX'ch\Yf UggYgga YbhiHUg\_g
- **`**

i bXYfgHUbX\*mci f\*f][\hg\*UbX\*fYgdcbg]V]`]h]Yg\*Ug\*U\*gh XYbhUhI BGK