

5`Ufa ghi ZY`Fch. 6fUbXYbVi f['_Àa dZh [Y[Yb a ÀWX h][Y K U`XVfUbX[YZU\ f°

6fUbXYbVi f['_\Aa dZh'a]h'\c\Yf'K U`XVfUbX[YZU\f'Xi fW\ 8ØffY'i bX'A i b]h]cbgVY`Ughi b["'5_hi Y``Y'A U bU\a Yb'i bX 9bhk]W_`i b[Yb"



6fUbXYbVi f[']gh'X]Y'b]YXYfgW\`U[Àfa ghY'FY[]cb'8Yi hgW\`UbXgž a]h'Yhk U'' \$\$"\$\$\$'<Y_hUf'a i b]h]cbgVY`UghYhYf'K U`XZÀW\Y"'8]YgY : `ÀW\Yb'a UW\Yb'fi bX'Y]b'8f]hhY`'XYf'K U`XZÀW\Yb'XYg 6i bXYg`UbXYg'Ui g"'6fUbXYbVi f[']gh'XUa]h'XUg'Ua 'ghÀf_ghYb'j cb 5`ha i b]h]cb'VYhfcZZYbY'6i bXYg`UbX']b'8Yi hgWX`UbX"K U`X"Zbf"XY \YVh'\Yfj cfž'XUgg'

5_hi Y``Y K U`XVfUbXYfY][b]ggY

 $= \frac{1}{2} \left[\frac{1}{2} \right] \left[$

 $8]Y'K U'XVfUbXgU]gcb'XUi Yfh'V]g']b'XYb'<YfVgh''=a "$ib]'&$&&VY]gd]Y`gk Y]gY'_Ua 'Yg'ni 'j Yf\YYfYbXYb'6fÅbXYb']b \\ HfYi YbVf]YhnYb'i bX'6YY`]hnž'X]Y'Yfgh'a]h'<]`ZY'Y]bYg'; Yk]hhYfg i bX'GhUf_fY[Ybg'i bhYf'?cbhfc``Y'[YVfUW\h'k YfXYb'_cbbhYb'''5i W]a "$i`]'&$&&'[UV'Yg'Y]bYb'k Y]hYfYb'[fc*Yb'K U`XVfUbX']a '9`VY! 9`ghYf!?fY]g'''9]b'k Y]hYfYf'6fUbX']a '6Yf`]bYf'; fi bYk U`X']a '5i [i gh &$&&'ZØ\fhY'ni 'Yf\YV`]W\Yb'J Yf_Y\fgY]bgW\fÀb_i b[Yb''$

< YfUi gZcfXYfi b[Yb Xi fWX a i b]h]cbgVY`UghYhY : `AWX Yb</pre>

8]Y a i b]h]cbgVY`UghYhYb: `ÀWXYb'YfZcfXYfb'VYgcbXYfY

J cfg]WX hga U» bU\a Yb'VY]'XYf'6fUbXVY_Àa dZi b["'9]bgUhn_fÀZhY

a ØggYb'Y]bYb'A]bXYghUVghUbX'j cb') \$\$ "A YhYfb'ni 'X]YgYb

; YV]YhYb'Y]b\U`hYbž'XU'5`ha i b]h]cb'Xi fWX'<]hnY'cXYf

a YWXUb]gWXY'6Y`Ughi b['YI d`cX]YfYb'_Ubb"'+b'X]YgYa

Ni gUa a Yb\Ub['\Uh'XYf'? Ua dZa]hhY`VYgY]h][i b[gX]Ybgh

6fUbXYbVi f[g'fl? A 68 Ł'gY]h'%--%'ØVYf'%(") \$\$ "HcbbYb

? Ua dZa]hhY`i bgWXÀX`]WX'[Ya UWXh"'8 Ug'@UbX'ghY``h''À\f`]WX'V]g'ni
) "A]``]cbYb'9i fc'ZØf'X]Y'5fVY]h'XYg'? A 68 'VYfY]hži a 'XUg'F]g]_c
j cb'6fÀbXYb'ni 'fYXi n]YfYb"

6YgcbXYfg'[YZÀ\fXYhY'@UbX_fY]gY'k]Y'HY`hck!: `Àa]b[ž

C VYfgdfYYk U`X!@Ui g]hn'i bX'Df][b]hn'\UVYb'Y]b'Yf\Ò\hYg'F]g]_c
ZØf'GY`VghYbhnØbXi b[Ybžj cf'U``Ya 'Xi fW\'X]Y'J Yfk]hhYfi b['U`hYf
A i b]h]cb"'I a 'X]YgYf'< YfUi gZcfXYfi b['Ybh[Y[Ybni k]f_Ybž
Ya dZ]Y\`h'XUg'Dfc'Y_h'9FK & dfÀj Ybh]j Y'A U» bU\a Yb'k]Y'X]Y
ZfØ\nY]h][Y'? Ua dZa]hhY`VYfÀi a i b['i bX'X]Y'9]bf]W\hi b['j cb
GdYffncbYb'gck]Y'Di ZZYfghfY]ZYb'i a '[YZÀ\fXYhY'; YV]YhY''@Ui h
K U`X"Zbf"XY'gc``hYb'

±g[YgUa h'nY][Yb'X]Y'9bhk]W_`i b[Yb'i bX'<YfUi gZcfXYfi b[Yb
VY]a '6fUbXgW\i hn']b'6fUbXYbVi f[ž'XUgg'[Yn]Y`hY'A U» bU\a Yb
i bX'5i Z_`Àfi b['k]W\h]['g]bXž'i a 'X]Y'K U`XVfUbX[YZU\f']b'Ni _i bZh
YZZY_h]j 'ni 'a]b]a]YfYb"K Y]hYfY'=bZcfa Uh]cbYb'Z]bXYb'G]Y
\]Yf'</pre>

8 Y hU]`g	
J c f ZU``	6fUbXgh]Zhi b[
I fgUWX Y	Ub\U`hYbXY`8ØffYž[Yf]b[Y
	B]YXYfgWX`À[Yžaibh]cbgVY`UghYhY':`ÀWXYb
Cfh	>ØhYfVc[ž'8YihgW\`UbX
EiY``Yb	• k k k "a Un!cb`]bY"XY
	• k U`X"Zbf"XY
	• hi !XfYgXYb"XY

6Ygi WXYb G]Y i bg Ui Z. b!U["bYh