

## 5 W hi b [ '6`]hnYf° K c 'G]Y \ Yi hY ']b 7 \ Ya b]hn``Ub[ gUa Yf ZU\fYb 'a ØggYb°

A cV]`Y`6`]hnYf`]b`7\Ya b]hn`Ua `&+"\$\*"&\$&).`5\_hi Y``Y GhUbXcfhYž; YgWk]bX][\_Y]hg\_cbhfc``Yb`i bX`6i »[Y`XYf`ZØf JYf Y\fqhY]`bY\a Yf"



7\Ya b]hnž8Yi hgW\`UbX`!\5a \\Yi h][Yb\&+\"\\delta\b]\&\\$\\) \]gh\Yg\]b 7\Ya b]hn`k ]YXYf`gc`k Y]h `A cV]`Y\`6`]hnYf`g]bX`i bhYfk Y[gži bX`X]Y Dc`]nY]`gcf[h`XUZØfž`XUgg`X]Y`; YgW\k]bX][\_Y]hg`]a ]hg`Y]b[Y\U`hYb k YfXYb\"; YfUXY\]b\Y]bYf`GhUXhž`k c\J\Yf\_Y\fgg]W\Yf\Y]h`cVYfghY Df]cf]h\Ah\\Uhž`gc``hY\'YXYf\J\Yf\_Y\fghY]`bY\\a\Yf\V\gcbXYfg Ui Za\Yf\_gUa\ZU\fYb\"\=a\a\Yf\]b\\_\ObbYb \\ YgW\k]bX][\_Y]hg\QV\YfgW\fY]hi b[\Yb\"[\Ubn\gW\\Ob\]bg\; Y`X\[\Y\\Yb\"\]

±0.7\Ya b]hn'ghY\Yb'X]Y'6`]hnYf'Ub'nk Y]'ghfUhY[]gWX'k]WXh][YbGhUbXcfhYb.'Ni a 'Y]bYb']b'XYf'?U`\_ghfU»Y'fD@N'\$-%%\*ž'Fchh`i ZZŁ']bY]bYf')\$'\_a #\!NcbYž'k c'XYf'6`]hnYf'gY]h'%-.' \*'I\f'U\_h]j']gh"'Ni aUbXYfYb'V`]hnh'Yg']b'XYf'NgWXcdUi Yf'GhfU»Y'fD@N'\$-%&\*ž6YfbgXcfZŁž'YVYbZU``g']b'Y]bYf')\$'\_a #\!NcbYž'k c'X]Y

, VYfk UWki b[ 'gY]h'%, .&\$'I \f``Ài Zh"'8]Y'Dc`]nY]'\Uh'X]Y'?cbhfc``Yb]b'GUWkgYb'\_cbh]bi]Yf`]Wk']a '6`]W\_ž'i a 'XUg'G]WkYf\Y]hg[ YZØ\``Ui Z XYb'GhfU» Yb'ni 'Yf\Ò\Yb'i bX'I bZÀ``Y'ni 'j Yfa Y]XYb"'  $FY[]cbU`gd]Y[Y``GUWkgYb'`VYf]WkhYhž'XUgg'a Ub'g]Wk'Ub'X]YgYb GhUbXcfhYb'VYgcbXYfg'UWkhgUa'j Yf\U`hYb'gc``hY''$ 

## ; YgWk ]bX][\_Y]hgVY[fYbni b[Yb'i bX 6i »[Y`XYf

 $K \ Ug'd Ugg]Yfhžik Ybb'a \ Ub'X]Y'; \ YgWk k \ ]bX][\ \_Y]hg[\ fYbnYb'b]Wk h Y]b \ \lambda h3'8]Y'5bhk cfh'XUfUi Z']gh'\_`Uf. '9g'k \ fX'hYi Yf'' \ \ b Yfcfhg \ VYhf\ A[\ h'X]Y' < \hat{O}W, gh[\ YgWk k \ ]bX][\ \_Y]h') \ \ \ \_a \ \ 'i \ b X'Ui \ Yfcfhg'\%\ \ \ \_a \ \ 'i \ b X'Ui \ Yfcfhg'\%\ \ \ \_a \ \ '' \ '9]bY'; \ YgWk k \ ]bX][\ _Y]hg\ VYfgWk fY]hi b[\ 'k \ ]fX'b]Wk h'bi f \ VYghfUZhž'gcbXYfb'_Ubb'Ui Wk'ni 'Di b_hYb']b': `YbgVi f[\ 'i \ b X : U\fj YfVchYb'Z\ Yb''Ni a '6Y]gd]Y`. 'K Yf']bbYfcfhg'V]g'ni '\%\ '_a \ \ ni 'gWk bY``']ghž'a i gg'a ]h'' \ \ '9i fc'6i \ [Y'X'fYWk bYb'''6Y]'\%\ V]g'\%\ \ _a \ \ \ ni 'gWk bY``']ghž'a i gg'a ]h'' \ \ '9i fc''I \ bX'X]Y'GhfUZYb'ghY][Yb'fUgUbh'Ub'' \ Gc'g]bX'VY]'Y]bYf', \ VYfgWk fY]hi b['jcb') \ \ \ \ \ _a \ \ \ V\]g'ni '\ \ \ \ \ \ \ '9i fc \ Z\ \ \ \ '][\ Zd'i g'Y]b'XfY]a \ cbUh][Yg': U\fj YfVchž'XUg'Z\ fa UbWk Yb'Y]bYb [fc\ Yb'9]bgWk b]hh']b'XYb'5``hU['VYXYi hYh''6`]hnYf_UhU`c[' []Vh \ 5i g_i bZh'\@VYf'X]Y'XYhU']YfhYb'6i \ \ [Y`XYf''$ 

- 6]g'%\$'\_a #\.'' \$'
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- %\* · · · &\$ · \_a #\ . · +\$ ·
- &%' '&) '\_a #\.'%%) ' 'f%'Di b\_h']b': `YbgVi f[ Ł
- &\* ' ' \$ '\_a #\ . '%, \$ ' 'f%'A cbUh': U\fj YfVch'a Ò[`]W\Ł
- '%' '(\$'\_a #\.'&\*\$' 'f%'A cbUh': U\fj YfVchŁ
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- ) %' '\*\$'\_a #\.') \*\$' 'f&'A cbUhY': U\fj YfVchŁ
- \*%' '+\$'\_a #\.'+\$\$' 'fl 'A cbUhY': U\fj YfVchŁ
- , VYf'+\$'\_a #\.', \$\$' 'fl 'A cbUhY': U\fj YfVchŁ

5VYf'Yg'k]fX'bcW\'\YZh][Yf.'KYf']bbYfcfhg'X]Y'; YgW\k]bX][\_Y]hia a Y\f'U`g')%\_a #\'ØVYfgW\fY]hYhž'\_Ubb'a]h'Y]bYa
[fUj]YfYbXYb'JYfghc»'[Y[Yb'X]Y'GhfU»YbjYf\_Y\fgcfXbib[
fYW\bYbž'kUg'b]W\h'bif'\c\Y'6i»[Y'XYfž'gcbXYfb'UiW\'nkY]
Dib\_hY']b': YbgVif['bUW\'g]W\'n]Y\h''=b'XYb'`YhnhYb'\*J\fYb'\Uh

g]Wk [ YnY][ hž XUgg VYgcbXYfg K ]YXYf\c`i b[ ghÀhYfž X]Y ]bbYf\U`V Y]bYg J\fYg a Y\fZUWk ni gWkbY``ZU\fYbž a ]h j YfgWk ÀfZhYb GhfUZYb fYWkbYb a ØggYb.: U\fj YfVchY cXYf gc[ Uf X]Y 9bhn]Y\i b[ XYf: U\fYf`Ui Vb]g \_ObbYb X]Y: c`[ Y gY]b "6i » [ Y`X\_UhU`c[ GUWk gYb [ ]Vh`XUni Y]bYb i a ZUggYbXYb , VYfV`]W\_"

; Ya Y]bgUa 'Ui Z'XYb 'GhfU» Yb 'g]WXYf 'ZU\ fYb ' 'XUg ']gh 'XUg 'N]Y` X]YgYf 'A U» bU\a Yb " C V 'bi b 'VY] 'XYf 'hÀ[`]WXYb : U\ fh 'ni f '5 fVY]h cXYf 'VY]a '5i gZi [ ']bg'; fØbY. '9g'`]Y[ h 'Ub 'YXYa '9]bnY`bYbž 'XUgg G]WXYf\Y]h 'b]WX h 'bi f 'Y]b 'GWX`U[ k cfh 'V`Y]Vh '' 8]Y 'Dc`]nY] '[ ]Vh 'ni XYa ni 'VYXYb\_Yb. '6 YgcbXYfY'I a ghÀbXYž k ]Y 'ni a '6Y]gd]Y` 'XUg : U\ fYb 'i bhYf '5`\_c\c`Y]bZi gg 'cXYf 'XUg'; YZÀ\ fXYb 'UbXYfYf JYf\_Y\fghY]`bY\a Yfž \_ObbYb 'X]Y 'GhfUZYb 'bcWX 'k Y]hYf 'Yf\O\Yb" 5 WX hYb 'G]Y 'U`gc 'XUfUi Zž 'k c'i bX 'k ]Y 'gWX bY`` G]Y 'i bhYfk Y[ g 'g]bX'

8 Y hU]`g	
Cfh	7\Ya b]hnž'8Yi hgWX`UbX
EiY``Yb	<ul><li>k k k "fY[]cbU`gd]Y[Y`!gUW\gYb"XY</li></ul>
	• k k k "V`]hnYf_UhU`c["cf[
	<ul><li>k k k "Vi gg[ Y`X_UhU`c[ "cf[</li></ul>

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