## : GI '6UgYVU``: UWYg'CfY[cb'GhUhY. K]bbYf'AcjYg'hc'CaU\U°

: `cf]XU`GhUhY`VUgYVU```ZUWYg`CfY[cb`GhUhY`]b`U`XYW]g]jYGi dYf`FY[]cbU``a UhW\`]b`7cfj U``]gž`U]a ]b[`Zcf`h\Y`7c``Y[Y K cf`X`GYf]Yg"



7cfj U``]gž'CfY[cbž'I G5'!'5g'h\Y'gi b'gYhg'cj Yf'7cfj U``]gž
CfY[cbž'U'h\f]``]b['VUgYVU``'g\ck Xck b']g'cb'h\Y'\cf]ncb"'Hcb][\hž
h\Y': `cf]XU'GhUhY'GYa ]bc`Ygž'fUb\_YX'Bc"'- ž'k ]``'ZUWY'cZZ'U[U]bgh
h\Y'Bc"', 'gYYX'CfY[cb'GhUhY'6YUj Yfg']b'U'XYW]g]j Y'; Ua Y'' 'cZ'h\Y
B755'Gi dYf'FY[]cbU``Uh'; cgg'GhUX]i a "'H\Y'[Ua Y']g'gW\YXi `YX
Zcf'U'bU]`!V]h]b['-'d"a "'ghUfhž'VfcUXWUgh``]j Y'cb'9GDB&"'H\]g
a UhW\i d'bch'cb`m'gYfj Yg'Ug'U'W]a Uh]WWcbWi g]cb'hc'h\Y'gYf]Yg
Vi h'U`gc'Ug'U'[UhYk Um'hc'h\Y'dfYgh][]ci g'7c``Y[Y'K cf`X'GYf]Yg']b
Ca U\Už'U'Wcj YhYX'UW\]Yj Ya Ybh'Zcf'Wc``Y[]UhY'hYUa g"

: `cf]XU'GhUhY'a UXY'U'j U`]Ubh'Wca YVUW\_']b'; Ua Y'&ž'W]bW\]b['Uk]b'k]h\'U'gWcfY'cZ''!%ž'h\Ub\_g'hc'Ub']a dfYgg]j Y'dYfZcfa UbW\Zfca '\$Ja]Y'5fbc`Xž'k\c'W\U`\_YX'id'b]bY'ghf]\_Ycihg'cj Yf'\*"&

]bb]b[g"'H\]g'j ]Whcfm'k Ug'YggYbh]U`'Ug'h\Y'GYa ]bc`Yg'\UX dfYj ]ci g`m'ZUW'X'U'hci [\'`cgg']b'; Ua Y'% k\YfY'h\Ym'gi ZZYfYX'U\YUfhVfYU\_]b['XYZYUh']b'h\Y'%\$h\']bb]b['UZhYf'`YUX]b[''!\$'[c]b[ ]bhc'h\Y'b]bh\"'K]h\'U'(&!%) 'fYWcfXž'U'k]b'hcb][\h'k ci `X'Ybgi fY: GI g'fYhi fb'hc'Ca U\U'Zcf'h\Y'7c``Y[Y'K cf`X'GYf]Yg'Zcf WcbgYW'h]j Y'gYUgcbgž'U'ZYUh'bch'gYYb'g]bW''h\Y'`UhY'-\$g"

## $6Uhh^Y cZhY H]hUbg$

 $H\Y'ghU\_Yg'Wci`Xb\ h'VY'\][\Yf'Zcf'Vch\ 'hYUa\ g']b'h\]g'VYgh!cZ h fYY'gYf]Yg'''CfY[cb'GhUhYž'VcUgh]b['U'gYUgcb'fYWcfX'cZ'()!%'!%UbX'U'Zcfa]XUV`Y'\ca Y'dYfZcfa UbW''cZ'&%!'\ ž']g'j\ m]b['Zcf']hg Zci\ fh\'bUh]cbU``h]h`Y'g]bW''\&$$*"'H\YmfY'bch'k]h\ci\ h'hU`Ybhž'Ug h\Y]f'ghUfh]b['d]hW\Yfž'\Ja\ Yg'8Y7fYa\ Yfž'Wca\ Yg']b'k]h\'U'("+\&9F5'UbX'U'dYfZYWh''\!\$'fYWcfX'h\]g'gYUgcb'''Cb'h\Y'ch\Yf'g]XY'cZ h\Y'a\ ci\ bXž':\ GI\ g'K\ Yg'A\ YbXYgž'k]h\'U'("'\'9F5'UbX'U'+!\&fYWcfXž']g'fYUXm'hc'`YUX'h\Y'W\Uf[Y'Ug'h\Y'GYa]bc`Yg'dfYdUfY'hc\ VUhh`Y'Zcf'U'gdch']b'h\Y'7c``Y[Y'K\ cf`X'GYf]Yg''' }$ 

## $H \setminus Y \cdot F \subset UX \cdot 5 \setminus Y \cup X$

H\Y`k]bbYf`cZ'h\]g`YjYb]b[g`[UaY`k]```UXjUbW\`hc`h\Y`7c``Y[Y K cf`X`GYf]Ygž`gW\YXi `YX`hc`hU\_Y`d`UW\`Zfca '\dot\b'\'\' !&' `Uh 7\Uf`Yg`GW\kUV`:]Y`X`]b`CaU\Už`BYVfUg\_U"': Ubg`WUb`YldYWh`Ub YlW]h]b[``]bYid`Ug`hYUag`WcadYhY`Zcf`h\Y`bUh]cbU``W\Uad]cbg\]d h]h`Y"

<]ghcf]WU``mž': `cf]XU'GhUhY g'VUgYVU``'dfc[fUa '\Ug'`cb['VYYb'U
ZcfWY']b'Wc``Y[]UhY'gdcfhg"': ci bXYX']b'%- (, ž'h\Y'GYa]bc`Yg'\Uj Y
UWX]Yj YX'Ub']a dfYgg]j Y'"+%+'U``!h]a Y'k]b'dYfWYbhU[Yž'a U\_]b[</pre>

h\Ya 'h\Y'gYWcbX'a cgh'gi WWYggZi ``B755'8]j ]g]cb'=VUgYVU``dfc[fUa 'VUgYX'cb'k]b'dYfWYbhU[Y"'H\Ymj Y'dUfh]W]dUhYX']b'h\Y B755'Hci fbUa Ybh'\*%'h]a Yg'UbX'fYUWXYX'h\Y'7c``Y[Y'K cf`X GYf]Yg'&('h]a Ygž'a U\_]b['k Uj Yg'cb'h\Y'bUh]cbU``ghU[Y'k]h\'h\Y]f fY`Ybh`Yqq'qd]f]h"

- B755'7c``Y[Y'K cf`X'GYf]Yg'GWXYXi `Y.
  - : ]fgh'fci bX. '> bY '%' !%)
  - GYWcbX fcibX. \* bY \* %\*!%+
  - GYa ]Z]bU`g. '≯ bY '%, !%-
  - : ]bU`g. '\(\dagger\) bY '&\(\lambda\) &'

5g:: GI 'UbX'CfY[cb'GhUhY'[YUf'id'Zcf'h\Y'Z]fgh'd]hW\ž'YI W]hYa Ybh ]g'dU`dUV`Y"'H\]g']g'a cfY'h\Ub''\ gh'U'[Ua Y/]h g'U'W\UbW''Zcf'Vch\hYUa g'hc'YhW\'h\Y]f'bUa Yg']bhc'h\Y'UbbU`g'cZ'Wc``Y[Y'VUgYVU``\]ghcfm"'@Yh g'fU``m'VY\]bX'ci f'GYa ]bc`Yg'Ug'h\Ym'\YUX']bhc'UVUhh`Y'h\Uh'dfca ]gYg'hc'VY'cbY'Zcf'h\Y'U[Yg°

: cf'a cfY'XYhU]`g'cb'h\Y'[ Ua Yž'W\YW\_'ci h'h\Y'Zi ```Wcj YfU[ Y'cb' HU``U\UggYY"Wca 'UbX'GYa ]bc`Yg"Wca "'Hc'Yl d`cfY': Gl g qhcf]YX'VUgYVU```Y[ UWhž'j ]g]h'K ]\_]dYX]U"

8YhU]`g	
Cfh	7cfj U``]gž'CfY[cbž'lG5
EiY``Yb	• k k k "hU``U\UggYY"Wca
	• gYa ]bc`Yg"Wca
	<ul><li>Yb"a "k ]_]dYX]U"cf[</li></ul>

6Ygi WXYb G]Y i bg Ui Z a Y]b!k ]Yb bYh