

## 

HfYdhck!?ÒdYb]W\_`fi Zh`[Ya Y]bbØhn][Y`JYfY]bY`Ui Zž DfcY\_h]XYYb`ni f`: ÒfXYfi b[ 'j cb`8Ya c\_fUh]Y`i bX`J]Y`ZU`h Y]bni fY]WXYb":: f]ghYb.`&("\$\*"/ Ua d/`\$%"\$+"&\$&)"



GWX ObYk Y]XYž8Yi hgWX`UbX'!'8]Y'DUfhbYfgWX UZh'ZØf
8Ya c\_fUh]Y']b'HfYdhck!?OdYb]W\_'\Uh'bYi Y':OfXYfdfc[fUa a Y']bg
@YVYb'[Yfi ZYbž'X]Y'UV'gcZcfh'VYUbhfU[h'k YfXYb'\_ObbYb"
; Ya Y]bbØhn][Y'JYfY]bY'i bX'+b]h]Uh]j Yb']b'XYf'FY[]cbž
]bgVYgcbXYfY']b'GWXObYk Y]XYž'g]bX'Y]b[Y'UXYbž']\fY'DfcY\_h]XYYb
Y]bni fY]WXYb"'8]YgY'+b]h]Uh]j Y'n]Y`h'XUfUi Z'UVž']b\_`i g]j Y'i bX
]bhYf\_i `hi fY``Y'DfcY\_hY'ni 'Ybhk]W\_Y`bž'X]Y'VYgcbXYfg'A YbgWXYb
a ]h'8]g\_f]a ]b]Yfi b[gYfZU\fi b['Y]bY'Gh]a a Y'[YVYb"'+b'X]YgYa
FU\a Yb'\_ObbYb'X]Y'5bhfU[ghY``Yf'I bhYfghØhni b['j cb
?ccfX]bUhcfl]bbYb'Yfk UfhYbž'X]Y'gck c\``VY]'XYf'5bhfU[gghY``i b[
U`g'Ui WX'VY]'XYf'bYi Yb' DUi gWXU`Z]bUbn]Yfi b['ZØf'DfcY\_hY\Y'ZYb'k YfXYbž'k]Y'VYf`]b"XY'VYf]WXhYh"

9]b 'nYbhfu 'Yg '5b ']Y [Yb 'X]YgYf': ÒfXYfa U» bU\a Yb ']gh'X]Y GYbg]V]']g]Yfi b[ 'i bX '5i Z\_`Àfi b[ '[ Y[ Yb 'X]Y 'YI hfYa Y 'F YW\hY" Dfc 'Y\_hYž X]Y 'XUni 'VY]hfU[ Ybž 'Y]bY 'gc `]XUf]gW\Y '; YgY ``gW\UZh'ni ZÒfXYfb 'i bX 'XYb '8]U`c[ 'nk ]gW\Yb 'i bhYfgW\]YX`]W\Yb XYa c\_fUh]gW\Yb 'K Y`hUbgW\Ui i b[ Yb 'ni 'gh\Af\_Ybž'g]bX Ui gXfØW\_`]W\ '[ Yk ØbgW\h" '6YgcbXYfYg '5i [ Yba Yf\_'k ]fX 'Ui Z b]YXf][ gW\k Y``][ Y '6]`Xi b[ g! 'i bX '6YhY]`][ i b[ gZcfa UhY '[ Y`Y[ hž'i a Y]bY '`YVYbX][ Y 'GhfY]h\_i `hi f'ni 'YhUV`]YfYb" '8]Yg ']gh'VYgcbXYfg k ]W\h][ ']b 'Y]bYf'NY]hž']b 'XYf'YI hfYa ]gh]gW\Y'HYbXYbnYb']b 'XYf ; YgY``gW\UZh'ni bY\a Yb"

## : f]ghYb i bX Dfc 'Y\_hn]Y `Y

 $8 ]Y :: f]gh ZØf X]Y DZ8 "HfYdhck!? OdYb]W_YbXYh Ua "&(""$b] &$&) ž k Å \ fYbX ZØf GW. ObYk Y]XY "XYf Gh]W. hU[ "XYf "%" $`] "&$&) "]gh" 
 <math display="block">5b[Yghc * YbY Dfc Y_hY gc ``Yb b]W. hbi f [Y[Yb 8]g_f]a]b]Yfi b[ i bX 5i g[fYbni b[ k]f_Yb z gc bXYfb Ui W. GW. ObYk Y]XY "U g C fh XYg K]``_ca a Ybg [YghU hYb" 9g k]fX "Ub[YghfYVhz G]W. hV Uf_Y]h ZØf j ]Y `ZÀ h][Y @YVYbgfYU hÀ hYb 'ni 'gW. UZZYb ii bX ia][fUbh]gW. Y 
 <math display="block">7ca a i b]h]Yg "U_h]j Y]bni VYn]Y Yb" = FU A Yb X]YgYf = h]h]Uh]j Yb gc ``Yb 'ni XYa '6Y[Y[bi b[gfÀi a Y ]a 'OZZYbh`]W. Yb 'F Ui a YbhghY Yb z X]Y dcg]h]j Y J YfÀbXYfi b[Yb ]b 5b[ghfÀi a Yb VYk]f_Yb ''gc ``Yb z K]Y c ZZYbg]j - %"XY 'Yf[Åbnh"}$ 

8]Y: ÒfXYfi b[ 'VYn]Y\h'g]W\'Ui Z'j YfgW\]YXYbY'DfcV`Ya VYfY]W\Yž i bhYf'UbXYfYa 'F Ugg]ga i gž'5bh]gYa ]h]ga i g'i bX'E i YYf!
: Y]bX`]W\\_Y]h"8]Y'DUfhbYfgW\UZhYb'ZØf'8Ya c\_fUh]Y'HfYdhck!
? ÒdYb]W\_'g]bX'HY]``Y]bYg'i a ZUggYbXYb'6i bXYgdfc[ fUa a gž'XUg
Xi fW\'XUg'6i bXYga ]b]ghYf]i a 'ZØf': Ua ]`]Yž'GYb]cfYbž': fUi Yb'i bX
\$\frac{1}{2} \] [YbX'f6A: G: \pm' i bhYfghØhnh'k]fX"'8]Y'[ fi bX`Y[ YbXYb'N]Y`Y
i a ZUggYb'XUg': ÒfXYfb'j cb'8Ya c\_fUh]Yž'XUg'; YghU`hYb'j cb
J]Y`ZU`h'gck]Y'XUg'J cfVYi [ Yb'j cb'9I hfYa ]ga i g"

## 9b[U[Ya Ybhi bX A]hk]f\_i b[

#bhYfYgg]YfhY'\_ObbYb']\fY'5bhfA[Y'Ui Z'XYf'K YVg]hY'XYg
NYbhfi a g'ZØf'8Ya c\_fUh]Y 'Y]bfY]W\Yb"'9g'k]fX'ni XYa 'ni 'Y]bYa
A ]hk ]f\_Yb'Ui Z[Yfi ZYbž'k cVY]'gck c\`'Dfc'Y\_h]XYYb'U`g'Ui W\

U\_h]j ]gh]gW\Y'HY]`bU\a Y']a '6Y[ `Y]hUi ggW\i gg'Yfk ØbgW\h`g]bX"

K Yf'k Y]hYfY' ≠b Zcfa Uh]cbYb 'VYbÒh][ h`cXYf': fU[ Yb`\Uhž'\_Ubb`g]W\
X]fY\_h'Ub'X]Y'5bgdfYW\dUfhbYf]bbYb'7`Ui X]U'A UI ž'? Uh'U
GhYfbVYf[ Yf'i bX'A Uf]U'; 'Yi 'k YbXYbž'i a 'I bhYfghØhni b[ 'ni
Yf\U`hYb"

± 'Y]bYa 'VfY]hYfYb'?cbhYl h'k]fX'Xi fW\'Dfc[fUa a Y'k]Y
5bh]fUgg]gh]gW\Y#fUgg]ga i g\_f]h]gW\Y'dc`]h]gW\Y'6]`Xi b[ghÀf\_Yb
X]Y'6YXYi hi b['XYf'dc`]h]gW\Yb'6]`Xi b[gUfVY]h'i bhYfghf]W\Yb"
8]YgY'n]Y`h'Ui Z'X]Y'9hUV`]Yfi b['i bX'K Y]hYfYbhk]W\_`i b['j cb
Ubh]fUgg]gh]gW\Yb'GhfUhY[]Yb'UV'i bX'gc```]bgVYgcbXYfY
A][fUbhi]bbYbgY`Vghcf[Ub]gUh]cbYb'UbgdfYW\Yb"'8]Y': ÒfXYfi b[\]YfZØf'YfZc`[h'j cb'&\$&&'V]g'&\$&(ži bX'X]Y'A U» bU\a Yb'g]bX'Ui Zi bhYfgW\]YX`]W\Y'N]Y`[fi ddYb'Ui g[Y`Y[h"'5i W\'\]Yf``]Y[h'XYf
: c\_i g'Ui Z'XYf'DfcZYgg]cbU`]g]Yfi b['i bX'Ei U`]Z]n]Yfi b[']b'XYf
Ubh]fUgg]gh]gW\Yb'6]`Xi b[žk]Y'X]Y'VdV"XY'j YfXYi h`]W\h"

8 Y hU]`g	
Cfh	GWN.ÒbYkY]XYž'8YihgWN.`UbX
EiY``Yb	• k k k "VYf`]b"XY
	• c ZZY b g]j - %" X Y
	• k k k "VdV"XY

6Ygi WXYb 'G]Y 'i bg 'Ui Z. 'a Y]b!VYf`]b "bYh