

? $cbZ^{-}_h^{Y}g_U^{-}_Y^{fh} = fUb^{-}_ZY^{i} Yfh^{i}FU_Y^{h}Y^{b}Z^{i}$ = $gfUY^{-}_gWX^{-}_A^{i}[h^{i}n^{i}]f@W_{-}^{o}$

FU_YhYbUb[f]ZZY`nk]gW\Yb`=gfUY``i bX`=fUb`Yg_U`]YfYb`k Y]hYfžkÀ\fYbX`X]Y`FY[]cb`i a `a]`]hÀf]gW\Y`5_h]cbYb`i bX`JYf`i ghY__Aa dZh"



HY\YfUbž'=fUb'!'8]Y'@U[Y']a 'BU\Yb'C ghYb'Yg_U']Yfh'k Y]hYfž'i bX X]Y'GdUbbi b[Yb'nk]gW\Yb'=gfUY''i bX'=fUb'bY\a Yb'XfUa Uh]gW\ni "'5_hi Y''`\UVYb']fUb]gW\Y'GhfY]h_fÀZhY'YfbYi h'FU_YhYb'Ui Z]gfUY']gW\Yg'HYff]hcf]i a 'UV[YZYi Yfh"'=b'k Yb][Yf'U'g'Y]bYf'Ghi bXY_Ua 'Yg'ni 'nk Y]'5b[f]ZZgk Y'`Ybž'X]Y'ni '`UbXYgk Y]hYb'@ ZhU`Ufa Yb i bX'Y]bYf'Yf\O\hYb'6YXfc\i b[g`U[Y'ZØ\fhYb"'8Ug']gfUY`]gW\Y A]']hÀf'\Uh'j Yfgi W\hž'X]Y'FU_YhYb'UVni ZUb[Yb'i bX'X]Y 6Yj O`_Yfi b['Ui Z[YZcfXYfhz'XYb'5bk Y]gi b[Yb'XYg'A]']hÀfg'ni Zc`[Ybž'k À\fYbX'GW\i hnfÀi a Y']b'VYhfcZZYbYb'; YV]YhYb'k]YXYf [YOZZbYh'k i fXYb"'9fghY'6Yf]W\hY'ØVYf'GW\AXYb'VY]b\U`hYb'Y]bYb FU_YhYbY]bgW\`U['Ui Z'Y]bYb'DUf_d`Uhn']b'NYbhfU`]gfUY`z'XYf'Y]bYb 6fUbX'Ui g`OghYz'XcW\'V]g`Ub['[]Vh'Yg'_Y]bY'<]bk Y]gY'Ui Z JYf'YhnhY"'8]Yg'VYf]W\hYb'X]Y'A U]b!Dcgh"

8 Yf' [Y[YbgY]h][Y'6YgWki gg'nk]gWkYb=gfUY'i bX'=fUb'XUi Yfh
a]hhYfk Y]Y'gWkcb'j]Yf'HU[Y'Ubž'k cVY]'=fUb'j cb'Y]bYa
FU_YhYbfY[Yb 'gdf]Wkh''=b'XYf']gfUY']gWkYb'< Ui dhghUXh'k UfYb
Ua 'GcbbhU[UVYbX'9| d`cg]cbYb'ni '\ÔfYbži bX']bgVYgcbXYfY']b
HY'`5j]j 'i bX'>fi gU'Ya '_Ua 'Yg'ni 'k Y]hYfYb'5b[f]ZZYb''6Yf]WkhYb
ni Zc`[Y'ki fXYb']b'6Uh'MJa ž'gØX`]Wk'j cb'HY'`5j]j ž'K c\b\Ài gYf
[YhfcZZYbž'k cVY]'a]bXYghYbg'%' 'A YbgWkYbž'XUfi bhYf'Ui Wk
?]bXYfž'i a g'@YVYb'_Ua Ybž'k À\fYbX'') 'U`g'j Yfa]ggh'[Y`hYb''8]Y
\i a Ub]hÀfY'? UhUghfcd\Y'gd]hhh'g]Wk'U`gc']a a Yf'k Y]hYf'ni '''8]Y
\N8:\Yi hY'\YVh'\Yfj cfž'XUgg'X]Y']gfUY`]gWkY'5fa YY']b'XYf
C ZZYbg]j Y']gh'i bX'a]`]hÀf]gWkY'N]Y'Y']a '=fUb'Ub[Y[f]ZZYb'\Uhž
Y]bgWk`]Y»`]Wk'@U[YfghÀhhYb'i bX'5VgWki ggUb`U[Yb''

< c\Y'CdZYfnU\`Yb'i bX'a]`]hAf]gW\Y FYU_h]cbYb</pre>

6]g\Yfg]bX:X]Y:CdZYfnU\`Yb:Ui Z:VY]XYb:GY]hYb:U`Ufa]YfYbX:\cW."

\$\figfuY\`k i fXYb:gY]h'6Y[]bb:XYf'?cbZ]_hY:VYfY]hg:&('A YbgW\Yb
[YhOhYhi bX:ØVYf'*\$\$;j Yf`Yhnh":=a :=fUb:VY_`U[hia Ub:a Y\f:U`g:&\$\$
HcXYgcdZYfz'k]Y:a Y\fYfY:Ei Y``Yb:VYf]W\hYb":=gfUY`g
DfYa]Yfa]b]ghYf:6Yb'Ua]b:BYhUb'U\i '\Uh'X]Y:6Yj O`_Yfi b['XYg

#Ub:ni a 'K]XYfghUbX:Ui Z[Yfi ZYb i bX:Yfk A[h:[Yn]Y`hY:5_h]cbYb
[Y[Yb:\cW.fUb[][Y:]fUb]gW\Y: Ø\fYf"I bhYfXYggYb'k i fXY
; YbYfU`a U'cf'5`]'GW\UXa Ub]z'Y]b'VYXYi hYbXYf'?ca a UbXYi f'XYf
]fUb]gW\Yb'FYj c`i h]cbAfYb'; UfXYbz'VY]'Y]bYa ']gfUY`]gW\Yb
@ ZhUb[f]ZZ``]ei]X]Yfh":8]Yg'_ObbhY'X]Y:a]`]hAf]gW\Yb'GdUbbi b[Yb k Y]hYf'Ub\Y]nYbz'gc'X]Y'HU[YggW\Ui "

8]Y @ ZhUb[f]ZZY gY]hY bg =gfUY `g VY hfUZY b [i h', \$ 'a]`]hÀf]gW.Y 'N]Y `Y]a =fUbžY]bgW.`]Y» `]W. 'J YfhY]X][i b[g! i bX 'Bi _`Y UfUb`U[Yb" 8]Yg [YgW.]Y\hž'XU =gfUY` 'VY ZØfW.hY hž'X Ugg =fUb 'Ub 'Y]bYf '5 hca Vca VY UfVY]hY hž'k À\fYbX 'HY\YfUb'j Yfg]W.Yfhž'X Ugg 'gY]b '5 hca dfc[fUa a fY]b 'n]j]`Yb 'Nk YW_Yb 'X]Ybh" 8]Yg 'Vf]b[h'Ui W. 'X]Y 'K Y`hk]fhgW.UZh]b 6Yk Y[i b[ž'XU 'X]Y '2 `dfY]gY 'Ui Z[fi bX 'XYf'Ub[YgdUbbhYb @U[Yi a bYi b 'DfcnYbh'[Ygh]Y[Yb'g]bX" '+b 'HY\YfUb'_Ua 'Yg'ni 'a Ugg]j Yb JYf_Y\fgghUi gž'XU'j]Y 'Y 'A YbgW.Yb'Ui g': i fW.hj cf'k Y]hYfYb 5b[f]ZZYb'j Yfgi W.Ybž'X]Y 'GhUXh'ni 'j Yf`UggYb"

I G!DfÀg]XYbh'Hfi a d'\Uh'6Yf]W\hY'ØVYf'Y]bY'a Ò[`]W\Y'a]`]hÀf]gW\Y

\$\DY'f Ybh]cb'XYf'I G5'ni fØW_[Yk]YgYbž'a U\bh'YXcW\'ni f'Jcfg]W\h
i bX'k Ufbh'\(\frac{1}{2}Ub'' \) cf'ni gÀm`]W\Yb'5b[f]ZZYb'Ui Z'I G!9]bf]W\hi b[Yb''
; `Y]W\nY]h]['\Uh'Yf'X]Y']gfUY`]gW\Y'CZZYbg]j Y'[Y`cVh'i bX'gcbXYfb
6chgW\UZhYb'XYf'9j U_i]Yfi b['ZØf'X]Y']fUb]gW\Y'N]j]`VYj Ò`_Yfi b[
\YfUi g[Y[YVYb''8]Y'G]hi Uh]cb'V`Y]Vh'i bØVYfg]W\h`]W\'i bX'_ObbhY
]b'XYb'_ca a YbXYb'HU[Yb'kY]hYf'Yg_U`]YfYb''

8 Y hU]`g	
Cfh	HY∖YfUbž≒fUb
EiY``Yb	• k k k "a U]bdcgh"XY
	• k k k "nXZ\Yi hY"XY
	• k k k "hU[YggVX Ui "XY

6Ygi WXYb G]Y i bg Ui Z. bU[!VUmYfb"XY