

?fmdhck À\fi b['k Y`hk Y]h'ni [Àb[`]WX Yf a UWX Yb

O YUhi fYX:7cbhYbhQ; YbUi 'k]Y:X]Y:DfY]gY:ZØf
?fmdhck À\fi b[Yb'b]a a h'Ui W. X]Y:5_nYdhUbn'ni ":5VYf']gh
?fmdhck À\fi b['ZØf'YXYb'Ui Z'XYf'K Y'h'ni [Àb[`]WX:3
J]Y``Y]WXh'b]WXh'' K À\fYbX:X]Y:a Y]ghYb'7c]bg'gc'_cbn]d]Yfh
g]bXz'XUgg'g]Y:ZØf'YXYb'k Y'hk Y]h'ZfY]'ni [Àb[`]WX'g]bXz'g]bX
g]Y'Yg'XYbbcWX'b]WXh'k Y[Yb'XYf'j YfgWX]YXYbYb
G]WXYf\Y]hgVYXYb_Yb'i bX'J cfgWXf]ZhYb'fi bX'i a 'XYb'?Ui Z
i bX'JYf_Ui Z'j cb'?fmdhcz'X]Y'X]Y'@Yi hY'XUj cf'VYi bfi \][Ybz'
]b'X]Y'?fmdhc!K Y'h'Y]bni hfYhYb'': cf]bh:]bUbnYb'n]Y'h'XUfUi Z
UVz'XYb'?Ui Z'i bX'<UbXY`'j cb'?fmdhck À\fi b[Yb'ZØf'XYb
Xi fWXgWXb]hh`]WXYb'9]bnY`bYb'Ui Z'XYf'[UbnYb'K Y'h
ni [Àb[`]WX'ni 'a UWXYb'i bX'Y]b][Y'XYf'cVYb'[YbUbbhYb
<YfUi gZcfXYfi b[Yb'Ubni [Y\Yb''K]Y': cf]bh
?fmdhck À\fi b[Yb'ni [Àb[`]WXYf'/Ua d\Y\`]d/

Q YUhi fYX 7cbhYbhQ

; YbUi 'k]Y 'X]Y 'DfY]gY 'ZØf'? fmdhck À\fi b[Yb 'b]a a h'Ui W\ 'X]Y 5_nYdhUbn'ni "'5VYf']gh'? fmdhck À\fi b['ZØf' Υ XYb'Ui Z'XYf'K Y`h ni [Àb[`]W\ 3'J]Y ``Y]W\ h'b]W\ h"

K À\fYbX'X]Y'a Y]ghYb'7c]bg'gc'_cbn]d]Yfh'g]bXž'XUgg'g]Y'ZØf'YXYbkY)h'ZfY]'ni [Àb[`]WX'g]bXž'g]bX'g]Y'Yg'XYbbcWX'b]WXh'kY[YbXYf'jYfgWX]YXYbYb'G]WXYf\Y]hgVYXYb_Yb'ibX'JcfgWXf]ZhYbfibX'ia 'XYb'?UiZ'ibX'JYf_UiZ'jcb'?fmdhcž'X]Y'X]Y'@YihY'XUjcfVYibfi\][Ybž']b'X]Y'?fmdhc!KY`h'Y]bnihfYhYb"

: cf]bh':]bUbnYb'n]Y`h'XUfUi Z'UVž'XYb'? Ui Z'i bX'< UbXY`'j cb
?fmdhck À\fi b[Yb'ZØf'XYb'Xi fWXgWXb]hh`]WXYb'9]bnY`bYb'Ui Z'XYf
[UbnYb'K Y`h'ni [Àb[`]WX'ni 'a UWXYb'i bX'Y]b][Y'XYf'cVYb
[YbUbbhYb'<YfUi gZcfXYfi b[Yb'Ubni [Y\Yb"</pre>

K]Y: cf]bh'?fmdhck À\fi b[Yb'ni [Àb[`]WXYf a UWXh

cf]bh:]bUbW']gh'Ui Z'XYf'Gi W\Y'bUW\'Y]bYa 'g]W\YfYb'i bX i a ZUggYbXYb'?fmdhck À\fi b[g!; UhYk Um''8i fW\'X]Y'GW\UZZi b[Y]bYg'² _cgmghYa gž'Xi fW\'XUg'YXYf'i bUV\Àb[]['j cb'GhUhi gž Z]bUbn]Y``Yb'A]hhY`b'cXYf'hYW\b]gW\Ya ': UW\k]ggYb']b'X]Y ?fmdhck Y`h'Y]bhfYhYb'_Ubbž'n]Y`h': cf]bh'XUfUi Z'UVž'X]Y'6Uff]YfYb XYf'?fmdhc!9]bZØ\fi b['ni 'gYb_Yb'i bX'g]Y'ZØf'XYb'U``hÀ[`]W\Yb A YbgW\Yb'k Y`hk Y]h'ni [Àb[`]W\ni 'a UW\Yb"

8 Yf K i bgW XYg HYUa gž? fmdhck À\fi b[Yb ZØf X]Y K Y`h ni [Àb[`]W Yf ni a UW Ybž k]f X Xi fW]\fY , VYfnYi [i b[VYZYi Yfhž XUgg ? fmdhck À\fi b[Yb i b X 6`c W_W U]b! HYW bc`c[]Y X]Y Ni _i bZh g]b X " 8 U XUg HYUa ghUf_ XUfUi Z'j YfhfUi hž XUgg X]Y 6 fUb W Y Y]b [YfYW hYfYg :]b Ub ngmghYa gW UZZYb k]f Xž k c``Yb g]Y Y]b 2 _cgmghYa gW UZZYbž]b XUg YXYf Y]bhfYhYb _Ubbž c\bY g]W i a X]Y G]W Yf\Y]hgY]bYf ; Y`XYf gcf[Yb ni a ØggYbž i bX gc Y]b ZUW i bX g]W Yf]b X]Y ? fmdhck Y`h Y]bhfYhYb"

cf]bh:]bUbWY'n]Y`h'XUfUi Z'UVž'X]YgY'A]gg]cb'ni 'YfZØ``Ybž']bXYa Yg'g]WX'i a 'XYb'[YgUa hYb'DfcnYgg'XYg'9]bgh]Y[g']b'X]Y ?fmdhck Y`h'_Øa a Yfhž'j ca '5bZUb['f9fghY``i b['XYf'6f]YZhUgWXYŁ V]g'ni a '5VgWX`i gg'fGhYi YfdZ]WXhYbŁ"

: cflbh': lbUbWY!: i b hlcbYb

=a : c`[YbXYb'g]bX'Y]b][Y'XYf': i b_h]cbYb'Ui Z[YZØ\fhž'X]Y': cf]bh :]bUbW'XUVY]'i bhYfghØhnYb'gc``Ybž'gY]bY'A]gg]cb'ni 'YfZØ``Yb"

: cf]bh!D`UhhZcfa

8 Ugʻ: cf]bh!:]bUbndcfhU``X]Ybh'U`gʻ8 fY\gW\Y]VYʻXYgʻ: cf]bh!

2 _cgmghYa g"ʻ6Ybi hnYfʻ_ÒbbYbʻX]YʻD`UhhZcfa ʻbi hnYbži a ʻ: CF = BH!

Hc_Ybʻi bXʻUbXYfYʻ? fmdhck À\fi b[Ybʻni ʻ_Ui ZYb"`8 UfØVYf`\]bUi g

_ÒbbYbʻg]YʻØVYf`X]YʻD`UhhZcfa ʻi bhYfʻUbXYfYa '= 7 CgʻZØfʻ]\fY

Dfc Y_hYʻghUfhYbžB: Hgʻi bX'd\mg]gW\Y; ØhYfʻYfghY``Ybʻi bX

: cf]bh'8YnYbhfU`Y'9IWXUb[Y!GWXb]hhghY``Y''8YIm

cf]bh:]bUbW \UhiY]b "YfghY``h'XYnYbhfU`Y GWX b]hhghY``YbUa Ybg'8 YI mi a 'XYb'? Ui Z'i bX'J Yf_Ui Z'j cb'? fmdhck À\fi b[YbZØf'X]Y'VfY]hY'² ZZYbh`]WX_Y]h'ni [Àb[`]WXYf'ni 'a UWXYb"'8 YI m'k]fX XUni 'VY]hfU[Ybž'XYb'_ca d`]n]YfhYb'DfcnYgg'XYg'? Ui Zg'i bX JYf_Ui Zg'j cb'? fmdhck À\fi b[Yb'ni 'j YfY]bZUWXYb"'6Ybi hnYf_ObbYb']b'k Yb][Yb'A]bi hYb'a]h'8 YI m'VY[]bbYbž'XU'g]Y'bi f'Y]b dUUf'gWXbY``Y'GWXf]hhY'Ui gZØ\fYb'a ØggYb"

: cf]bh!; Y`XUi hca UhYb

 $: cf]bhI; Y`XUi hca UhYbʻghY``YbʻY]bʻBYhnk Yf_'j cb'; Y`XUi hca UhYb XUfž'XUgʻYgʻ6Ybi hnYfbʻYfa Ò[`]Wkhž'j cf'Cfh'Ui ZʻU``Y': i b_h]cbYb j cb'8Yl m'ni ni [fY]ZYb"'5i ZʻX]YgYʻK Y]gYʻ_Ubbʻ^YXYfʻgWkbY```i bX Y]bZUWk': CF <math>\blacksquare$ H!Hc_Ybʻi bX`UbXYfY'? fmdhck À\fi b[Ybʻa]h d\mg]gWkYf':]UhlK À\fi b[`_Ui ZYb"

B: HgžK UfYb! i bX 8]Ybgh`Y]ghi b[ga Uf_h

8 Ugʻ: cf]bhl² _cgmghYa ik]fX'6Ybi hnYfb'Y]bYb'A Uf_hd`Uhn'ZØf'B: Hgž K UfYb'i bX'8]Ybgh`Y]ghi b[Yb'V]YhYb'i bX'Y]bY'_cghYb[Øbgh][Y @Ògi b['ZØf'X]Y'9fghY``i b['i bX'XYb'JYf_Ui Z'j cb'B: Hg'UbV]YhYb" 8 i fWX'X]Y'Bi hni b['XYg': cf]bhlA Uf_hd`UhnYg'_ÒbbYb'6Ybi hnYf B: Hgž'K UfYb'i bX'8]Ybgh`Y]ghi b[Yb'ni 'Ài » Yfgh k YhVYk YfVgZÀ\][Yb'DfY]gYb'_Ui ZYb# Yf_Ui ZYb"

: cf]bh!:]bUbnd`UhhZcfa

 $8] Y : cf] bh :] gWU ``D`UhZcfa `k] fX `XUni `VY] hfU[Ybž'X] Y :?`i Zh`nk] gWXYb hfUX] h] cbY``Yb ``c_U`Yb':] g_U`i a [YVi b[Yb'i bX'XYf'K Y`h'XYf ? fmd hck À\fi b['ni 'ØVYfVfØW_Yb'' 8 Ug'V] YhYh'X] Y `D`UhhZcfa .$

5i hca Uh]g]YfhY'5bU`mgY'j cb'HfUbgU_h]cbYb']b'Y]bYa
5VfYW\bi b[gnY]hfUi a "'I bhYfghØhni b['VY]'XYf'GW\Ahni b['j cb
GhYi YfnU\`i b[gj YfdZ]W\hi b[Yb']b'U``Yb'k]W\h][Yb'\siflgX]_h]cbYb"

6YfUhi b[Yb'i bX'6YfUhi b[g`Y]ghi b[Yb'bUa \UZhYf K]fhgWXUZhgdfØZi b[g[YgY``gWXUZhYb"

5VgWX`]Y» YbX a ÒWX hY ']WX 'gU[Ybž'XUgg': cf]bh'Xi fWX 'XUg'5b[YVch U``Yf'cVYb'[YbUbbhYb': i b_h]cbYb'Y]b'2 _cgmghYa 'gWXUZZYb a ÒWX hYž'XUg'U`g'CbY!Ghcd!D`UhhZcfa 'ZØf'U``Y? fmdhck À\fi b[gUbZcfXYfi b[Yb'Zi b[]YfYb'_Ubb"'8i fWX'X]Y 6YfY]hghY``i b['j cb'U``Ya ž'k Ug'a]h'? fmdhck À\fi b[Yb'ni 'hi b'\Uhž i bhYf'Y]bYa '8 UWX ž'n]Y`h': cf]bh':]bUbWY XU\Yf'XUfUi Z'UVž'? fmdhc ZØf'YXYb'Ui Z'XYf'[UbnYb'K Y`h'ni [Àb[`]WX'ni 'a UWXYb"

8 YhU]`g

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. '_fmd hc!b Yk g"Uh