

⇒V]nU Vcca h. Hci f]ga i gʻi bX ⇒a a cV]`]YbdfY]gY Ui ZFY_cfXb]j YUi °

GdUb]Yb 'Yf`YVh'&\$&) 'Y]bYb 'Hci f]ga i g\Ò\Ydi b_h'a]h'ØVYf %\$\$`A]``]cbYb '6Ygi WXYfb"'→\]nU'Vcca hž'ghY\h'UVYf'j cf <YfUi qZcfXYfi b[Yb"



#V]nUž'GdUb]Yb'!'GdUb]Yb'Yf'YVh'[Y[Ybk Àfh]['Y]bY
k]fhgWXUZh`]WXY'6`ØhYnY]hž'X]Y'jcb'Y]bYa 'ghUf_Yb'K UWXghi a 'i bX
Y]bYa''6cca 'Ub'XYb'6ÒfgYb'[YdfÀ[h']gh'''8Ug'@UbX'[]`h'U`g'Y]bY
XYf'k]fhgWXUZh`]WXYb'@c_ca ch]jYb'9ifcdUgž'\]bhYf'A U`hUž'?fcUh]Yb
i bX'NmdYfb'''@Ui h'HU[YggWXUi 'ki WXg'X]Y'gdUb]gWXY'K]fhgWXUZh
]a ''YhnhYb'*J\f'i a '' ž&'i ž'k À\fYbX'XYf'9I!8ifWXgWXb]hh'VY]
'YX][`]WX'\$ž'i ''U["'6YgcbXYfg'X]Y'gdUb]gWXY'6ÒfgYž'XYf'→69L'') ž
ØVYfhf]ZZh'X]Y'@Y]ghi b[Yb'XYg'85L'i bX'nY][h'kYb][Yf'bY[Uh]jY
?ifqYbhk]W_`i b[Yb'

 $8] YgY `dcg]h]j Y `k] fhgWk UZh`] Wk Y `9bhk] W_`i b [`k] fX `Xi fWk `a Y \fYfY : U_hcfYb `i bhYfghØhnh" `9]b `ghY][YbXYf `df]j UhYf `? cbgi a `i bX `Y]bY [Ygi b_YbY `5fVY]hg`cg][_Y]h `ZÒfXYfb `X]Y `? cbgi a gh]a a i b[`i bX `Y]bY `Ygi b_YbY `5fVY]hg`cg][_Y]h `ZÒfXYfb `X]Y `? cbgi a gh]a a i b[`i bX `Y]bY `Ygi b_YbY `Ygi b_Y$

n]Y\Yb'\Dj Ygh]h]cbYb'Ub"'GdUb]Yb'V]YhYhini XYa '[Øbgh][Y 9bYf[]YdfY]gYž'b]YXf][Y'@c\b_cghYb'i bX'Y]bY'[fc»Y'A Uf_h[fÒ»Yž k Ug'Yg'ni 'Y]bYa 'UhhfU_h]j Yb'\Dj Ygh]h]cbgghUbXcfh'a UW\h" 5``YfX]b[g'[]Vh'Yg'<YfUi gZcfXYfi b[Yb'k]Y'`Ub[Y'VY\ÒfX`]W\Y DfcnYggY'i bX'Y]bY'b]YXf][YfY'DfcXi _h]j]hÀhi]a 'Yi fcdÀ]gW\Yb JYf[`Y]W\"'Ghfi _hi ffYZcfa Yb'g]bX'bchk YbX][ži a 'X]Y 5V\Àb[][_Y]hij ca 'Hci f]ga i g'ni 'j Yff]b[Yfb"

Hci f]ga i gʻi bXʻ=a a cV]`]Yba Uf_hʻUi Zʻ=V]nU

8]Y'BUWXZfU[Y'bUWX'a a cV]`]Yb'k ÀWXghž'VYZYi Yfh'Xi fWX
8][]hU`]g]Yfi b['i bX'XUg'GhfYVYb'bUWX'Nk Y]hk c\bi b[Ybž
]bgVYgcbXYfY'Ui g`ÀbX]gWXYg'?Ud]hU`"'8]Yg'ZØ\fh'ni 'Y]bYf
JYf_bUddi b['XYf'j YfZØ[VUfYb'a a cV]`]Yb'i bX'Y]bYf'ghY][YbXYb
NU\`'Ub']bhYfbUh]cbU`Yb'?Ài ZYfb"'a '\\\f'\&\\$\('k\]fX'Y]b'XYi h']WXYf
5bgh]Y['XYf'6Y`Y[i b[gfUhYb'j cb'?i fnnY]hj Yfa]Yhi b[Yb
j YfnY]WXbYhž']bqVYqcbXYfY']b'GUb'5bhcb]c'i bX'GUbhU'9i `U`]U"

DfY]ghfYbXg'i bX'fY[]cbU'Y'5bU'mgYb

FY[]cb	K	YfhghY][Yfib['fl	Ł
--------	---	------------------	---

⇒V]nU!GhUXh'i bX'HU`Ua UbWU	(ž) i
HU`Ua UbWU	Ž +Ž ˙I
GUb 5bhcb]c) '1
GUbhU'9i `U`]U	%% ⁻ 1

GUb '≈gÅ	%\$ ⁻ I
BÒfX`]WXYgʻ⇒V]nUʻfh"6"′GUbhU	ØVYf'%) 'I
; Yfhfi X]gŁ	

8]Y '5bU`mgY 'nY][hž XUgg 'GUbhU '9i `U`]U 'VYgcbXYfg 'UhhfU_h]j 'ZØf
]bhYfbUh]cbU`Y '? Ài ZYf ']ghž k cVY] '6f]hYb 'i bX '8 Yi hgWk Y 'Y]bY
VYXYi hYbXY 'F c``Y 'gd]Y `Yb" '8]Y 'BUWk ZfU[Y 'bUWk '@ I i g]a a cV]`]Yb
]b 'GUb '5bhcb]c 'k ÀWk gh'YVYbZU``gž k À\fYbX '? Ài ZYf']a 'bÒfX`]Wk Yb
=\/]nU 'bUWk 'Y]bYf'df]j UhYb 'F ØW_ni [ga Ò[`]Wk_Y]h'gi Wk Yb"

8 Y hU]`g	
Cfh	⇒V]nUž˙GdUb]Yb
EiY``Yb	• k k k "hU[YggWXUi"XY
	k k k "\cf]ncbhY]V]nU"Wca

6Ygi WXYb G]Y i bg Ui Z Y]bY!fY]gY "XY