

6fi hU`Yf'9]bVfi W\`]b`K]Yb.`A ÀXW\Yb`]a 6UXYn]a a Yf'Y]b[YgW\`cggYb°

9]b`VYk UZZbYhYf`9]bVfi W\`]b`K]Yb`ZØ\fh`ni f`: YghbU\a Y Y]bYg`JYfXÀW\h][Yb"`9]b`A ÀXW\Yb`j YfghYW_h`g]W\`k À\fYbX XYg`JcfZU``g"



A Ui Yfž'K]Ybž'² ghYffY]WX '! '9]b 'Vfi hU`Yf '9]b Vfi WX `\ Uh`K]Yb 'Ua A]hhk cWX 'YfgWX ØhhYfh" '\(\delta \) 'Y]b Ya '\(\text{9}\) b ZUa]`]Yb\ Ui g`]a '\(\GhUXhhY]`` A Ui Yf`fK]Yb!@]Yg]b[\(\text{E}'XfUb[\) Yb 'nk Y] 'HÀhYf'[\) Y[\(Yb '\%\\$.)\\$ 'I\ f`a]h A YggYfb 'VYk UZZbYhY]b' i bX'[\] b[\(Yb '\cZZYbVUf'XUj \cb 'Ui gž'XUgg b)]Ya UbX 'ni '< Ui gY ']gh" \(\cyrv{YfUgWXYbXYfk Y]gY 'VYZUbX'g]WX 'YXcWX Y]b' A ÀXWXYb']a '< Ui gž'XUg'g]WX ']a '\(6UXYn]a a Yf' j\ YfghY W_hYž'X]Y HØf'UVgdYffhY 'i bX']\ fYb 'J UhYf'Ubf]YZ'' '8]YgYf'fYU[\] YfhY 'i a [\(Y\\ YbX \) i bX'gYhnhY'Y]bYb 'B chfi Z'UV'' '8 Ub_ 'XYg'gWX bY ``Yb' < UbXY`bg'XYf Dc`]nY]ž'X]Y 'V]bbYb 'k Yb][\(Yf'A \)]bi hYb 'j cf'C fh'k Uf'i bX'gcZcfh'Y]bY [\(fc \sigma 'Ub[\(Y\'Y[\) hY : U\ bXi b[\(Y\'Y[\) hY hY z'_cbbhY'Y]\) bYf'XYf JYfXÀWXh][\(Yb 'ZYgh[\(Ybca a Yb'k YfXYb'' 8Yf'9]\) bgUhn'j cb <i VgWXfUi VYfb'i bX'8fc\ bYb'ni f'Gi WXY'bUWX'k Y]hYfYb'HÀhYfb nY][\(hz'k \)]Y'Yfbgh'X]Y'@U[\(Y'k \) Uf'' '8]Y'[\(YbUi Y'NU\`'XYf'HÀhYf']gh

9]b 'gc `W Yf' J cfZU```k]fZh': fU[Yb 'Ui Zž'j cf'U``Ya ']a '?cbhYl h'XYf U_hi Y``Yb '9]bVfi W ghUh]gh]_" '@Ui h'\ca Y!]bg]XYf"XY ']gh'Y]b 5bgh]Y['XYf'9]bVfi W gnU\`Yb ']b '8 Yi hgW `UbX'ni 'j YfnY]W bYbž'k Ug]a a Yf'k]YXYf'6YXYb_Yb '\]bg]W h`]W 'XYf'G]W Yf\Y]h']b'i bgYfYb Y][YbYb'j]Yf'K ÀbXYb'Ui Zk]fZh" &\$&' 'k i fXYb'Vi bXYgk Y]h'ØVYf ++"\$\$\$ 'K c\bi b[gY]bVfØW Y'fY[]ghf]Yfhž'k Ug'Y]bYb'5bgh]Y['j cb Yhk U'%, 'DfcnYbh']a 'J Yf[`Y]W 'ni a 'J cf'U\f'VYXYi hYh' 8i fW gW b]hh`]W '[YgW]Y\h']b'8 Yi hgW `UbX'U``Y'&%' 'GY_i bXYb'Y]b 9]bVfi W "

9]bVfØWXY]bK]Yb

±b·K]Ybʻ]ghʻnk Ufʻb]Wkhʻa]hʻXYbʻ[`Y]Wk YbʻNU\ `Ybʻni ʻfYWkbYbž XYbbcWkʻ[]VhʻYgʻUi Wkʻ\]YfʻY]bYʻghY][YbXYʻHYbXYbnʻVY]
9]bVfØWkYb"ʻ±bʻNi gUa a Yb\Ub[ʻa]hʻXYfʻU_hi Y``Ybʻ9]bVfi WkgYf]Y
]bʻ@]Yg]b[ʻki fXYbʻY]b][Yʻ≯ [YbX`]WkYʻZYgh[Ybca a YbžʻX]Y
j YfXÀWkh][hʻk YfXYbžʻUbʻa Y\fYfYbʻ9]bVfØWkYbʻVYhY]`][hʻ[Yk YgYb
ni ˈgY]b"ʻ@Ui hʻa Y]bVYn]f_"Uhʻ_ÒbbhYʻX]Yʻ: YghbU\a YʻX]YgYf
DYfgcbYbʻni fʻJ YfVYggYfi b[ʻXYfʻG]WkYf\Y]hʻ]bʻXYbʻVYhfcZZYbYb
GhUXhhY]`YbʻVY]hfU[Yb"ʻ9gʻk]fXʻVYhcbhžʻXUgg
DfÀj Ybh]cbga U» bU\a Ybʻj cbʻ[fc» Yfʻ6YXYi hi b[ˈg]bXžʻi a
9]bVfi Wkgj Yfgi WkY'ni ʻYfgWkkYfYb"

9]bVfYWXYf'bi hnYb'\Ài Z]['VYj cfni [hY'5b[f]ZZgdi b_hY'k]Y'6U`_cb! i bX'HYffUggYbhØfYbž'k Yg\U`V'YZZY_h]j Y'a YWXUb]gWXYG]WXYfi b[ga U» bU\a Yb'YbhgWXY]XYbX'g]bX"'->X'a Y\f'GWXi hn'a UbV]YhYhž'XYghc'k Yb][Yf'cddcfhi b]gh]gWX'U[]YfYb'a Ò[`]WXY'HÀhYf"8]Y'Dc`]nY]'\Uh'VYfY]hg'_cghYb`cgY'G]WXYf\Y]hgVYfUhi b[YbUb[YVchYbž'i a 'XYb'6Øf[Yf.]bbYb'K Y[Y'Ui Zni nY][Ybž'k]Y'g]Y'g]WXVYggYf'gWXØhnYb'_ÒbbYb"

8]Y'U_hi Y``Y'G]hi Uh]cb'a UW\h'_`Ufž'XUgg'Yg'k]W\h][']ghž'Ui W\']b
K]Yb'k UW\gUa 'ni 'gY]b"'Hfchn'XYf'D`ÀbY'ni f'JYfVYggYfi b['XYfG]W\Yf\Y]h'i bX'XYb'6Ya Ø\i b[Yb'XYf'Dc`]nY]'g]bX'k]f'U`g; YgY``gW\UZh'[YZfU[hž'i bg'[Y[YbgY]h]['ni 'i bhYfghØhnYb'i bX'Ui ZjYfXÀW\h][Y'5_h]j]hÀhYb'ni 'UW\hYb"'Bi f'gc'_Ubb'XUg'; YZØ\``j cb

8 YhU]`g	
Cfh	A Ui Yfž'K]Ybž' ² ghYffY]WX
EiY``Yb	• k k k "\ Yi hY "Uh
	• k k k "a Y]bVYn]f_"Uh
	\ca Y!]bg]XYf"XY

6 Ygi WX Yb 'G]Y 'i bg 'Ui Z. 'a Y]b!k]Yb "bYh