

8 Ub]Y`;]bWhY_. '9fghYf'H]hY`'U`g'HfU]bYf' 9]b'bYi Yf': i » VU``! < Y`X°

8 Ub]Y`;]bWhY_'ZY]Yfh'Ua '%* "\$ * "&\$&) 'gY]bYb'YfghYb'H]hY`'U`g HfU]bYfž'bUWXXYa 'Yf'YfZc`[fY]WX'ZØf'XYb'J Z6'Ghi hh[Ufh'hÀh][k Uf"



5fbgVYf[ž'8 Yi hgW\ `Ub X '! '\dag{b} `XYb ``YhnhYb `HU[Yb `k i fXY ']a

: i » VU```k]YXYf'j]Y``X]g_i h]Yfh'i bX`[YZY]Yfh'' 6YgcbXYfg']a :: c_i g

ghY\h'8 Ub]Y``;]bWhY_ž'Y]b `B Ua Yž'XYf'j]Y`Yb :: i » VU``ZUbg'Y]b

6Y[f]ZZ']gh'' 8 Yf'Y\Ya U`][Y'GhØfa Yf'XYg'J Z6 'Ghi hh[Ufh'\Uh'j cf
_i fnYa 'gY]bYb 'YfghYb 'H]hY``U`g'HfU]bYf'[Yk cbbYb'' 8]Yg']gh'Y]b

VYXYi hYbXYf'GW\f]hh']b 'gY]bYf'? Uff]YfYž'XYf'bi b ']b 'Y]bY'bYi Y

D\UgY'Y]bhf]hhž'bUW\XYa 'Yf']b 'XYb '`YhnhYb '\dag{b}\fYb'j YfgW\]YXYbY

<\O\Yb'i bX'H]YZYb']a 'DfcZ]Z » VU```Xi fW\`YVh'\Uh'';]bWhY_ž'ZVbYUa '

%' "'5df]` '%- - %']b '5fbgVYf['XUg'@]W\h'XYf'K Y`h'YfV`]W_hYž'ZUbX

&\$\&\) 'XYb'K Y[']b 'X]Y'HfU]bYffc``Y'i bX'\Uh'g]W\']b 'X]YgYf'[Ubn

VYgcbXYfYb': i b_h]cb'VYk À\fh''

; $]bWhY_^{1}ghb]Whhbi f^{2}Øf^{2}gY]bY^{2}gdcfh^{1}WhYb^{1}: A^{1}[_Y]hYb^{1}VY_{Ubbh}^{1}$

#b 'gY]bYf'U_h]j Yb '? Uff]YfY 'Yfn]Y `hY 'XYf'%- %'Wa '[fc > Y 'GhØfa Yf
VYa Yf_Ybgk YfhY '&* 'HcfY']b'+&'Gd]Y `Yb 'ZØf'XYb'J Z6'Ghi hh[Ufh'i bX
k]fX '\ Ài Z]['a]h'XYf'HfUX]h]cbgY `Z'XYg'J YfY]bg']b'J YfV]bXi b[
[YVfUWX hz'ZØf'X]Y'Yf'k Y]hYf\]b'[Y`Y[Ybh`]WX'Ui Z'Ài Zh''GY]b'K Y[
ni a 'DfcZ]'VY[Ubb'VYfY]hg']b'' b[Yb'*J\fYbz'i bhYf'UbXYfYa 'ØVYf
GhUh]cbYb'VY]'6cfi gg]U'8cfha i bX'i bX'XYa '%'': 7'BØfbVYf["

9]b 6`]W_'Ui Z'X]Y ? Uff]YfY 'j cb '8 Ub]Y`;]b WhY_

I a 'X]Y '9fZc`[Y'j cb';]bWhY_f]Wh]['Y]bcfXbYb'ni '_ObbYbž']ghYg k]Wh][ž'Ui Z'gY]bY'VYY]bXfi W_YbXY'@Ui ZVU\b'ni fØW_ni V`]W_Yb" BUW\gY]bYf'ZfØ\Yb'5i gV]`Xi b['VY]`G7'BY\Y]a 'i bX'6cfi gg]U 8cfha i bX'k YW\gY`hY'Yf'ni 'j YfgW\]YXYbYb'JYfY]bYb']b'XYf 6i bXYg`][Už'k c'Yf'a Y]gh'U`g'GhØfa Yf'Ui Z'XYa 'D`Uhn'ghUbX" 6YgcbXYfg'gY]bY'@Y]\Yb'Ub'XYb'JZ@'6cW\i a 'i bX'XYb': 7'Gh''DUi`]k UfYb'j cb'9fZc`['[Y_fObhž'k c'Yf']bg[YgUa h'&' 'HcfY'Yfn]Y`hY'i bX g]W\'Y]bYb'BUa Yb'a UW\Yb'_cbbhY"BUW\'gY]bYa 'K YW\gY``ni a J Z6'Ghi hh[Ufh']a '\\J\f'&\%('_cbbhY'Yf'gY]bY': À\][_Y]hYb'Ui Z\OW\ghYa 'B]j YUi 'i bhYf'6Yk Y]g'ghY``Ybž'VYj cf'Yf'&\%, 'ni 'J Z@ K c`ZgVi f['k Y]hYfnc["

GWW.]W_gU`ggWW.`À[Y`k]Y`?fYi nVUbXf]ggY`dfÀ[hYb`gY]bY`?Uff]YfYž XcWW.;]bWhY_`[UV`b]Y`Ui Z"A]h`XYa KYWW.gY``ni ::cfhi bU 8ØggY`XcfZ`]a '\\\f`&\$&&`gU\`Yf`g]WW`XYf`<YfUi gZcfXYfi b[`Y]bYg ?`UggYbYf\U`hg`[Y[YbØVYf`i bX`a Y]ghYfhY`X]YgYž`VYj cf`Yf`&\$&(gY]bY`U_h]j Y`@Ui ZVU\b`VY]a 'A GJ`8i]gVi f[`VYYbXYhY"'8cWW UbghUhh`g]WW`ni f`Fi\Y`ni `gYhnYbž`k U[hY`Yf`XYb`GWWf]hh`]bg HfU]bYf[YqWWÀZh"

8]Y'<YfUi gZcfXYfi b[Yb']a :: i » VU``[YgWX ÀZh

 $5 g'HfU]bYf'_Ubb';]bWhY_'Ui Z'X]Y'k Yfhj c``Yb'9fZU\fi b[Yb ni fØW_[fY]ZYbž'X]Y'Yf']a '@Ui ZY'gY]bYf'? Uff]YfY'[YgUa a Y`h'\Uh''=a : i » VU``[YgW\AZh'k YfXYb'HfU]bYf'cZh'ØVYf'BUW\h'Ybh`UggYbž a UbW\a U``c\bY'k]f_`]W\Y]bY'ZU]fY'7\UbW'ni f'9bhZU`hi b['ni VY_ca a Yb'''K]Y'I b]6K 'VYf]W\hYhž'k YW\gY`b'HfU]bYf'\\Ai Z][ž$

k À\fYbX'Gd]Y`Yf'bi f']b'VYgh]a a hYb'HfUbgZYfdYf]cXYb'j YfdZ]W\hYh cXYf'UV[Y[YVYb'k YfXYb'_ObbYb"'9]b'5gdY_hz'XYf'[YfUXY']b 8 Yi hgW\`UbX'cZh'ni f'8]g_i gg]cb'ghY\hz'XU'+bhYf]a g`Ogi b[Yb'cZh Ui g'XYb'Y][YbYb'FY]\Yb'_ca a Yb"'8]YgY'DfUl]g'_Ubb'_i fnZf]gh][Zi b_h]cb]YfYbz'UVYf'X]Y': fU[Y'V`Y]Vhz'k]Y'bUW\\U`h]['gc`W\Y@Ogi b[Yb'g]bX"

I $dXUhY ``Ui g`XYf``HfU]bYf!@UbXgWXUZh``8]Y``fUgUbh``k YWXgY``bXYbGhØ\`Y`]a ``: i » VU```_O`bbYb`Y]bY``YWXhY`<YfUi gZcfXYfi b[``ZØf`X]Y?`i Vg``gY]b"`8Yf``6=@8! \(\infty \) if bU`]gh``B]Wc``Ug``@]bbYf`i bX``HfU]bYfH\cfghYb`:]b__`gY\Yb`\]Yf`<UbX``i b[gVYXUfZ*ii a ``HfU]bYfk YWXgY`ni ``fY[i`]YfYb`i bX`b]WXh``k]Y`Y]b` GWXi gg`]bg``6``Ui Y ``k]f_Yb``ni ``UggYb"``5bXYfg``U``g``Gd]Y``Yfž`X]Y``Ub``HfUbgZYfdYf]cXYb``[YVi bXYbg]bX**zghY\Yb``HfU]bYf``YXYfnY]h``ni f`8]gdcg]h]cb```Y]bY``G]hi Uh]cb**X]YZØf``j]Y``Y``gWXk]Yf][``V``Y]Vh''$

K]Y 'Ui W ']a a Yf'g]W 'X]Y : i » VU```UbXgW UZh'j YfÀbXYfhž'Y]bYg ghY\h'ZYgh '8 Ub]Y`';]bWhY_'\Uh'g]W 'b]W h'bi f'U`g'Gd]Y`Yfž'gcbXYfb bi b'Ui W 'U`g'HfU]bYf'Y]bYb'BUa Yb'[Ya UW h'i bX'V`Y]Vh'Y]b]bhYfYggUbhYf'Gd]Y`Yf']b'XYf'K Y`h'XYg': i » VU``g''K]f'g]bX [YgdUbbhž'k c\]b'X]Y'bÀW ghYb'GW f]hhY']\b'ZØ\fYb'k YfXYb'i bX'cV Yf'k Y]hYf\]b'9fZc`[Y'ZY]Yfb'_Ubb'': i » VU``']gh'i bX'V`Y]Vh'Y]b ; YgW ÀZh'XYf', VYffUgW i b[Yb'i bX'XYg'i bUi Z\Òf`]W Yb'K UbXY`gž XUg'V`Y]Vh'Ui W 'ZØf';]bWhY_'Y]bY'ghÀbX][Y'<YfUi gZcfXYfi b["

8 YhU]`g	
Cfh	5fbgVYf[ž8YihgWX`UbX
EiY``Yb	k k k "ghi hh[UfhYf!bUWX f]WX hYb"XY
	XY"k]_]dYX]U"cf[
	ghcfm"i b]Vk "XY

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