

8]Y?cbhfcj YfgYia X]Ya YX]n]b]gWXY Bi hni b['j cb '7UbbUV]g']b '=bXcbYg]Yb

5a ~%" 5i [i gh~%\$%+ `Yf`Ub[hY`X]Y`; YgWX]WXhY`j cb`:]XY`]g`5f]

Gi XUfk chcžY]bYa ~]bXcbYg]gWXYb~6Øf[YfžXYf`k Y[Yb~XYg`5bVUi g
j cb~7UbbUV]g^j Yfi fhY]`h`k i fXYž*5i Za Yf_gUa _Y]h^]b~XYf

6Yj O`_Yfi b[~j cb~K Ygh!? U`]a UbhUb":]XY`]g^\UhhY`A Uf]\i UbU
i `h]j]Yfhžii a ~gY]bYf~Ub~XYf~gY`hYbYb~?fUb\Y]h`Gmb[ca mY`]Y

`Y]XYbXYb~: fUi ~ni ~\Y`ZYb"~8]YgYg~I fhY]``k]fZh`k]WXh][Y~: fU[Yb

ØVYf~X]Y`a YX]n]b]gWXY~JYfk YbXi b[~j cb~7UbbUV]g^i bX~X]Y

fYWXh`]WXYb~FU\a YbVYX]b[i b[Yb~]b~\DXcbYg]Yb~Ui Z"

8 Y f :: U ` ` 'j c b ':] X Y `] g 'i b X ' X] Y 'a Y X] n] b] g W Y B c hk Y b X] [_ Y] h

:]XY`]g :: fUi ``]hh'Ub'Gmb[ca mY`]YžY]bYf'9f_fUb_i b[ž'VY]'XYf
NmghYb']a 'FØW_Yba Uf_'XUg'BYfj YbgmghYa 'VYY]bhfÀW\h][Yb"'→\fY
Gma dhca Y'À\bY`hYb'Y]bYf'i bVY\YffgW\VUfYb':]YVYfYf_fUb_i b[ž
X]Y'bi f'Y]bY'? ÒfdYf\À`ZhY'VYhfUZ"'Hfchn'nU\`fY]W\Yf'5i ZYbh\U`hY']b
?fUb_Yb\Ài gYfb'i bX'XYa 'J Yfgi W\ž']\fY'; Ygi bX\Y]hgdfcV`Ya Y
ni 'VY\UbXY`bž'V`]YVYb'X]Y'9f[YVb]ggY'i bVYZf]YX][YbX"
5b[Yg]W\hg'XYf'a YX]n]b]gW\Yb'<]`Zcg][_Y]h'k UbXhY'g]W\':]XY`]g
U`hYfbUh]j Yb'6Y\UbX`i b[ga Yh\cXYb'ni i bX'ghUfhYhY'Y]bY

♣\hYfbYhfYW\YfW\Y'ØVYf'7UbbUV]g'U`g'a Ò[`]W\Y

8]Y fYW h`]W Yb?cbgYeiYbnYb

:]XY`]g`k i fXY`Ua `%- ": YVfi Uf`&\$%+ j cb`XYf`B Uh]cbU`Yb

8fc[YbVY\OfXY`fbBBŁZYgh[Ybca a Ybž'bUW\XYa `Yf'' - '7UbbUV]g!

DZUbnYb`_i `h]j]Yfh`\UhhY"'9f`\UhhY`ni j cf`Y]bY'; YbY\a][i b[`ni f
 `Y[U`Yb`5bdZUbni b[`VY]`XYb`ni ghÀbX][Yb`6Y\OfXYb`Ub[YZfU[hž
k Ug`YXcW\`b]W\h[YbY\a][h`k i fXY"'J cf'; Yf]W\h`k i fXY`Yf`Ua `&"

5i [i gh`&\$%+ `ni `UW\h`A cbUhYb`; YZÀb[b]g`i bX`Y]bYf'; Y`XghfUZY
j cb`Y]bYf`A]``]UfXY`Fi d]U\`j Yfi fhY]`hžY]b`I fhY]`ž`XUg`ghfYb[Yf`k Uf
U`g`X]Y`i fgdfØb[`]W\Yb`: cfXYfi b[Yb`XYf`GhUUhgUbk U`hgW\UZh''

² ZZYbh`]WX Ygʻ=bhYfYggYʻi bXʻA]h[YZØ\``ZØf`X]Y 6YhfcZZYbYb

 $8 \ Yf' Dfcn Ygg'i b X' X Ug' I fh Y]``[Y [Yb':] X Y`]g' \ UV Yb' Y]b Y' K Y``Y' X Y f \\ OZZYbh`]W X Yb' Gma d Uh \]Y'i b X' 8]g_i gg]cb' Ui g[Y`Ogh'' J]Y`Y \\ A Ybg W X Yb'_Obb Yb' b U W j c``n]Y \ Yb ž' k]Y'g W k]Yf]['X]Y' Gi W Y' b U W Y]b Yf' < Y]`i b ['ZØf' Yfbgh \ UZh' Yf_f Ub_h Y' 5 b [Y \ Of][Y']gh'':]XY`]g \\ : f Ui 'gh U f V'g W X`]Y \ `]W `Ua' &) ''' A Àfn' & $%+ž' k Ug' Y]b Yb' ni gÀhn`]W Yb Ya ch]cb U`Yb' G W `U['ZØf'] \ b' X U f gh Y``h Y ž' Y X c W 'g c f [h Y'] \ f' G W \] W_g U` X U ZØf ž' X U gg' X U g' H \ Ya U' 7 U b b U V]g' U`g'a Y X]n]b]g W Yg' A]hh Y``a Y \ f 6 Y U W hi b ['ZUb X'']$

8]Y'Fc``Y'jcb'7UbbUV]g']b'XYf; Ygi bX\Y]hgj Yfgcf[ib[

8]Y: U``Y'j cb:]XY`]g'fYdfÀgYbh]Yfh'Y]bY'[fÒ» YfY'8YVUhhY'ØVYf'X]Y @Y[U`]g]Yfi b['j cb'7UbbUV]g'ZØf'a YX]n]b]gWXY'Nk YW_Y']b

\[
\delta\times \text{CbYg}]Yb'i bX'UbXYfYb'@\text{AbXYfb}"K \text{A\fYbX'j}]Y`Y'a YX]n]b]gWXY
\]
Ghi X]Yb'X]Y'K]f_gUa _Y]h'j cb'7UbbUV]g'ni f'GWXa Yfn`]bXYfi b[
i bX'6Y\UbX'i b['VYgh]a a hYf'?fUb_\Y]hYb'VY`Y[Yb\text{Z'V`Y}]VYb'X]Y
\]
fYWXh`]WXYb'6Ygh]a a i b[Yb']b'j]Y`Yb'FY[]cbYb'ghfYb[Yf'BUhi f
i bX'\]bXYfb'DUh]YbhYb'XUfUb\text{Z'j} cb'a \text{O}[`]WXYb'6Y\UbX`i b[Yb'ni dfcZ]h]YfYb"

GWX`i ggZc`[Yfi b[.'9]b'5ddY``'ZØf JYfÀbXYfi b[

8]Y; YgWk]WkhYjcb:]XY`]g'5f]'Gi XUfk chc']gh'b]Wkh'bi f'dYfgÒb`]WkhfU[]gWkžgcbXYfb'Ui Wk'Y]b'5i Zfi Z'ni f', VYfdfØZi b['XYf VYghY\YbXYb'8fc[Ybdc`]h]_']b'+bXcbYg]Yb"'8]Y'[YgY``gWkUZh`]WkY 8]g_i gg]cb'ØVYf'X]Y'a YX]n]b]gWkY'Bi hni b['jcb'7UbbUV]g'_ÒbbhY a Ò[`]WkYfkY]gY'XUni 'ZØ\fYbž'XUgg'[YgYhn`]WkY FU\a YbVYX]b[i b[Yb'[YgWkUZZYb'kYfXYbž'X]Y'gckc\``XYa GWki hn'XYf'6Yj Ò`_Yfi b['U`g'Ui Wk'XYb'6YXØfZb]ggYb'j cb DUh]YbhYb'[YfYWkh'kYfXYb"'9]b'I a XYb_Yb']b'XYf'; YgY``gWkUZh i bX'VY]'XYb'; YgYhn[YVYfb']gh'bchkYbX][ži a 'Y]bY'UXÀei UhY a YX]n]b]gWkY'JYfgcf[i b['ZØf'U``Y'ni '[YkÀ\f`Y]ghYb"

B 5;

8 YhU]`q

6Ygi WXYb G]Y i bg Ui Z b!U["XY