

7ci fgY[·]Cj Yfj]Yk

GhJZZ 7 cbhJWh 8 YhJ] `g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]hm	@cWJhjcb	D\cbY
>UY'M d'>i b[<u> ΔΥ"Դ b[4 i bgk "YXi "Ui</u>	9a U]`hc'UffUb[Y Ub'Uddc]bha Ybh	A cfj Yb 6fck b 6i] X]b[ž; &+	f\$&Ł'-',) ,*&-

5W_bck `YX[Ya YbhcZ7ci bhfm

I BGK '5frgž8Yg][b'UbX'5fW,]hYWi fY'? Ybg]b[hcb'UbX'DUXX]b[hcb'Wa di gYg'UfY'Vi]'hcb'5Vcf][]bU`@UbXg"'K Y'dUmci f'fYgdYWg'hc'h,Y'6]X'][U''UbX'; UX][U''dYcd'Yg'k \c'UfY'h,Y'7 i ghcX]Ubg'cZh,YgY'`UbXg" K Y'UW_bck `YX[Y'h,Y'5Vcf][]bU`'UbX'HcffYg'GhfU]h=g`UbXYf'dYcd'Ygž'h,Y':]fghi5i ghfU`]Ubgžk \cgY'`UbXgž k]bXg'UbX'k UhYfg'k Y'U``'bck 'g\UfYž'UbX'dUmfYgdYWhc'h,Y]f'i b]ei Y'j U'i Ygž'UbX'h,Y]f'Wbh]bi]b['UbX YbXi f]b['W' h fYg'k \]W. XYYYdYb'UbX'Ybf]W. h,Y'`]ZY'cZci f'bUh]cb'UbX'Wca a i b]h]Yg"''

7ci fgY⁻8YHJ]^{*}g

I b]hg cZ7fYX]h**

K cf_`cUX

%) \$`\ci fg`]bWi X]b[`WUgg`WcbHUWfi\ci fgž`fYUX]b[gž`WUgg`dfYdUfUh]cbž`UggYgga Ybhž`Zc``ck`i d`UWhjj]hjYgž YHW

Gi a a UfmcZh\Y 7ci fgY

 $+ 0.1 \text{ lg Wc i fgY z mc i 'k]} \text{ 'N lg Y 'Ub 'cddcfhi b] hm hc 'Vi] 'X 'cb 'cf'YI hY bX '] bhY fY ghg 'XY j Y 'cdYX '] b 'mc i f'gdY W] U '] ghallow (a. 1) and (b. 1) an$

5ggYgga Ybh

5ggYgga Ybh'hJg_		

FI 6F = 7 # 998657? G<99H 98GH),,-A = BCF H<9G = €

I BGK 'G7<CC@'C: '98I 75H€B

 $5\,ggYgga\ Ybh'HUg_'\%'Dfc'YWh'dfcdcgU''UbX''fYdcfh$

GdYW]Z]W7 f]hYf]U		``flŁ		 2fŽŁ
I bXYfgHJbX]b['cZ'h\Y'ei Ygh]cb'cf']ggi Y'UbX'h\Y'_Ym'WcbWfdhg]bj c'j YX				
 i bXYfgHUbX]b['cZh\Y'hcd]WUbX']hg'fY`Uh]cbg\]d'hc'fY`Yj Ubh'UfYUg cZh\Ycfmž'fYgYUfW\ž'UbX'dfUWf)W 				
WUf]miUbX'g][b]Z]WUbWY'cZh\Y'U]a 'cZh\Y'ghi XmUbX'h\Y'fYgYUfW\ ei Ygh]cbg				
8Ydh\cZUbU`mg]g`UbX`Wf]h]eiY`]b`fYgdcbgY`hc`h\Y`HJg_				
 5`][ba YbhcZa Yh\cXc`c[mhc'h\Y'ei Ygh]cbg'dcgYXž']bWi X]b[i gY'cZfY`Yj UbhYh\]WU`'dfchcWc`g 				
 i bXYfgHJbX]b['cZh\Y'ghfYb[h\g'UbX'k YU_bYggYg'cZh\Y a Yh\cXfgL'Zcf'XUHJ'Wc``YWncb'UbX#cf'UbU`mg]g']b'fY`Uh]cb'hc'h\Y WcbhYl hUbX'_Ymei Ygh]cbg" 				
•				

<u>Z</u>]W7 f] H Yf]U	∵flŁ—		2fŽŁ
bHJhjcb`cZfYgdcbgY`UVWcfX]b[`hc`Uddfcdf]UhY`UVWXYa]WUbX ghjWWcbjYbhjcbg			

5 hmy b X Ub Wy F Yei] f Ya Yb hg

GW.cc`cZ'9Xi WUh]cb'5HYbXUbWYFYei]fYa Ybh

H\Y`GW\cc``cZ9Xi WUhjcb`fG98&fYei]fYgʻghi XYbhgʻa YYhiUʻa]b]a i a `UhhYbXUbW\`fYei]fYa YbhcZ, \$i `cZU`` gW\YXi `YX`WUggYgʻf]"%"`YWhi fYgžhi hcf]Uʻgžk cf_g\cdgžgYa]bUfg&Zcf`U```Wci fgYg"`5hhYbXUbW\`]b`dYfgcb`]g fYei]fYX`Zcf`hi hcf]UʻgžgYa]bUfgž`UbX`k cf_g\cdg`k \Yb`Wci fgY`UfY`XY`]j YfYX`]b`ZUW\!hc!ZUW\`a cXY''=hi]g`h\Y fYgdcbg]V]`]micZghi XYbhgʻhc`Ybgi fY`h\Uhih\Y]f`UhhYbXUbW\`]g`fYVcfXYX`Zcf`h\Y`ZUW\`hc`ZUW\`Y]h\Yf`Vm Y`YWhfcb]Wa YUbgʻcf'j]U`Ub`UhhYbXUbW\`fY[]ghYf"`5hhYbXUbW\`]b`cb`]bY`cf`V`YbXYX`a cXY`k]```VY`UggYggYX h\fci [\`X][]hU`": i fh\Yf`]bZcfa Uhjcb`WUb`VY`Zci bX`\\fYf\"

F Ygci fWYg

DfYgWf]VYX F Ygci fWYg

Gi [[YghYX*fYgcifVWg

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

Hi fb]h]b Gi Va]gg]cb

Image: Ybwci bhYf'U'dfcV'Ya k \Yb'UhYa dhJb['hc'gi Va]hmci f'Ugg][ba Ybht\fci [\'Hi fb]hJbž'd'YUgY

HY'Yd\cbY'9| hYfbU'`Gi ddcfhcb'-',) '' ' ' %cf'Ya U]`'h\Ya 'cb'Y! hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui '"'Gi ddcfh
\ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY_XUmg'UbX'-.\$\$Ua '-').\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUfŁ"'=Imci
UfY'i bUV'Y'hc'gi Va]hmci f'Ugg][ba YbhXi Y'hc'U'ZJi 'hk]h\'Hi fb]hJb'mci 'a UmUdd'mZcf'Ub'Y! hYbg]cbž'Vi hmci
a i ghfYhJ]b'mci f'hJW_Yhbi a VYf'Zfca '9! hYfbU'`Gi ddcfhfU'cb['k]h\'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁ'hc
]bWi XY'Ug'Yj]XYbW'hc'gi ddcfhmci f'Y! hYbg]cb'Udd']WUhJcb"'=Imci 'Ya U]`'9! hYfbU'`Gi ddcfhmci 'k]``
Ui hca UhJWJ'`mfYWY]j Y'U'hJW_Yhbi a VYfž'Vi h]Zmci 'hY'Yd\cbY'mci 'k]``bYYX'hc'gdYWJZJWJ'`mUg_'Zcf'cbY"
Hi fb]hJb'U'gc'dfcj]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hYf"

; YbYfU``mž'UggYgga YbhiHug_g'a i gh'VY'gi Va]hhYX'Y`YWfcb]WJ``mj]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ba Ybh'' = D']bgHJbWYg'k \YfY'h\]g']g'bchdcgg]V'Yž']hk]``VY'gHJhYX'cb'mci f'Wci fgY'g'A ccX`Y'g]hY'k]h\

5 WUXYa]W<cbYghmUbX D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b['h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b['h\Ya `Ug`mci f`ck b"`=hWJb`hJ_Y`a Ubm Zcfa gžZca `XY`]VYfUhY`W\YUh]b['hc`UVW]XYbhJ``mWcdm]b['Zfca `U`gci fWY`k]h\ci hUW_bck `YX[Ya Ybh'

IBGK [fcidgdu[]Uf]ga]bhch\YZc``ck]b[WUhY[cf]Yg.

 $\begin{tabular}{ll} \hline \textbf{7.cdm}b[...] g]b[...] MY cf'j Yfmg]a] ``Uf'k cfXg'hc'h\Y'cf][] bU``HYI hcf']XYU'k]h\ci h`U\W_bck ``YX[]b[...] b[...] MY cf'i g]b[...] bU``HYI hcf']XYU'k]h\ci h`U\W_bck ``YX[]b[...] b[...] MY cf'i g]b[...] a UhYf]U`gž']XYUg'cf'WcbW'dhg'\bar{Z}ca '`U'Vcc_\bar{Z}Ufh]WY\bar{Z}ca '`U'Vcc_\bar{Z}Ufh]\bar{Z}ca '`U'Vcc_\bar{Z}Ufh]\bar{Z}ca '`U'Vcc_\bar{Z}Ufh]\bar{Z}ca '`U'Vcc_\bar{Z}Ufh]\bar{Z}ca '`U'Vcc_\bar{Z}Ufh]\bar{Z}ca '`U'Vcc_\bar{Z}Ufh]\bar{Z}ca '`U'Vcc_\bar{Z}Ufh]\bar{Z}ca '`U'Vcc_\bar{Z}Ufh]\bar{Z}ca '``U'Vcc_\bar{Z}Ufh]\bar{Z}ca '``U'Vcc_\bar{Z}Ufh]\bar{Z}ca '``U'Vcc_\bar{Z}Ufh]\bar{Z}Ufh]\bar{Z}Ufh]\bar{Z}ca '``U'Vcc_\bar{Z}Ufh]\bar{Z}U$

5 WUXYa]W + DZcfa Uh]cb

8 i Y 'hc 'Yj c'j]b['UXj]WY 'VmBGK '< YU'h\ \check{z} ghi XYbhg'a i gh\W\Y\W_'\Zcf'i d\X\Uh\Y\X']b\Zcfa \Uh\cb'fY[\Uf\X]b['cb\]bY 'Y\Ufb]b['Zcf'\U`'\5fhg\{z}8\Yg][\b'\Ub\X'\5f\W\]h\Y\Wi\fY'\Wci\fg\Yg'\h\]g'\h\fa\'fJ\]U'\A\cc\X'\Y'\cf'\Wci\fg\Y']b\Zcfa \Uh\cb\dfcj]\XY\X''\L

: cf`YggYbhJU``gh XYbh`]bZcfa UhJcb`fY`UhJb['hc.

- fYei YghgʻZcfʻYl hYbg]cb/
- `UhY gi Va]gg]cbg [i]XY`]bYg/
- fYj]Yk 'cZa Uf_g/
- I BGK '< YU`h\ 'UbX'GUZYhm'dc`]W]Yg/
- YI Ua]bUh]cb dfcWYXi fYg/

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