8YGUbh]g'hc'5XXfYgg'5``][Uhcf'5`WUhfUn' 5a]X'; fck]b['7cbhfcjYfgm

: `cf]XU`; cjYfbcf`Fcb`8YGUbh]g`UXXfYggYg`WcbWYfbg`cjYf / eich/5``][Uhcf`5`WUhfUnž/ eich/U`a][fUbh`XYhYbh]cb`ZUW]`]hmž Uh`U`dfYgg`WcbZYfYbWY`cb`\$bY`&*ž`&\$&)"



+++'; `UXYg`F X"ž'6c WU`F Uhc bž': `cf]XUž'I G5 '! C b 'H\i fgXUm a cfb]b[ž': `cf]XU'; cj Yfbcf`F cb '8 YGUbh]g`]g`gYh'hc 'UXXfYgg dfYgg]b[`]ggi Yg'WcbWYfb]b[`h\Y`ghUhY g``UhYgh'j Ybhi fY`]bhc]a a][fUh]cb 'YbZcfWYa Ybh"'H\Y'dfYgg'WcbZYfYbWY'k]```hU_Y'd`UWY Uh'%\$ 'U"a "'Uh'h\Y'Ck `g`BYgh']bg]XY'h\Y'GW\a]Xh': Ua]`m'7ca d`YI Zcf`5WUXYa]WUbX'5h\`Yh]W9I WY``YbWYž'`cWUhYX'Uh'+++'; `UXYg`FX"ž cb'h\Y': `cf]XU'5h`Ubh]WI b]j Yfg]hm'WJa di g"'H\]g'Yj Ybh'Wca Yg Ua]X'f]g]b[`WcbWYfbg'fY`UhYX'hc'cdYfUh]cbg'Uh'U'Wcbhfcj Yfg]U` ZUW]`]hmž'Xi VVYX' 5``][Uhcf`5`WUhfUnž ``cWJhYX'Uh'h\Y'8UXY!7c``]Yf HfU]b]b[`UbX'HfUbg]h]cb'5]fdcfh"

8YGUbh]g`]g`YIdYWhYX`hc`Y`UVcfUhY`cb`h\Y`ghUhY g`d`Ubg`hc`\cigY a][fUbhg`]b`h\]g`hYadcfUfm`XYhYbh]cb`ZUW]`]hmž`k \]W\`\Y`]bg]ghg

[fcibXq"

Cddcg]h]cb'hc'h\Y'Wcbghfi Wh]cb']q'a ci bh]b[ž'k]h\'Ybj]fcba YbhU` [fci dq``]_Y`: f]YbXq`cZ'h\Y`9j Yf[`UXYq`j c]Wjb[`'h\Y]f`i bYUqY`UVci h h\Y'dfc'YWh"'H\Ym'dfYj]ci q`m'Zci [\h'U[U]bgh'XYjY`cda Ybh']b'h\]q jYfm'UfYU'VUW_']b'%-*-'XiY'hc'g]a]`Uf'Ybj]fcba YbhU`'WcbWfbg" H\Y`cddcg]h]cb`]g`bch``]a]hYX`hc`UWh]j]ghg/`cWU``=bX][Ybci g [fci dgž']bWi X]b['h\Y'A]WWcgi _YY'Hf]VYž'\Uj Y'U`gc'YI dfYggYX h\Y]fX]gWcbhYbh`fY[UfX]b[`h\Y`dfcl]a]hm`cZ`h\Y`ZUW]]hm`hc`gUWfYX

9bj]fcbaYbhU`7cbWfbgUbX7caaib]hm FYg]ghUbWY

:`cf]XU'5hhcfbYm'; YbYfU``*Ja Yg'I h\a Y]Yf`\Ug'Xi VVYX'h\Y cdYfUh]cb YZZ]W]Ybh UbX `ck !Wcghž bch]b[`h\Y`bUhi fU``gYW f]hm dfcj]XYX Vm'h\Y'qi ffci bX]b['Ybj]fcba Ybh" 7f]h]Wqž\ck Yj Yfž a U]bhU]b'h\Uh'h\Y'fUd]X'Wcbghfi Wh]cb']g'c\WV ff]b['k]h\``]hh`Y fY[UfX`Zcf`dchYbh]U``Ybj]fcba YbhU``XUa U[Y"`+b`ZUWhž`A]Ua]!8UXY A Umcf'8Ub]Y``U'@Yj]bY'7UjU'\Ug'fU]gYX'U`Ufa g'UVcih'h\Y YWc`c[]WU``WcbgYeiYbWYgžYW\c]b[`h\Y`k cff]Yg`cZ'h\Y`<mark>BUd`Yg</mark> $BYk gz'k \setminus WX Ya d \setminus UgnYg' \land k h ng'ZUW) hm h fYUhYbg'U'ZfU[]Y$ YWcgmghYa 'h\Uh']g'j]hU`'Zcf': `cf]XU g'k UhYf'a UbU[Ya Ybh"

: `cf]XU']g'a U_]b['ghf]XYg'hc'Wcbghfi Wh'h\]g'XYhYbh]cb'WYbhYfž $k \setminus W = \frac{1}{2} \int U = \frac{1}{2$ $fYdcfhg^h Uh^h Y^ZUW^h hm^k ^{1}i h^1 n Y^U^c b [!i bi gYX^U]fghf]d^b^h Y$ 9j Yf[`UXYgž'Ub'UfYU'k Y``!_bck b'Zcf']hg'i b]ei Y'k]`X`]ZY"'K]h\ h\ Y]bhYbh]cb'cZ'\cig]b['id'hc') ž\$\$\$'XYhU]bYYg'Vm'YUf`m'≯`mž': `cf]XU d`Ubg'hc'Ya d`cm' `][\h']bZfUghfi Whi fY 'gi W\'Ug'hYbhg'UbX'hfU]`Yfg hc'a UbU[Y'h\Y'c]YfZck Zfca 'YI]gh]b['WYbhYfg"

H\Y'7cbhfcjYfg]U`' 5``][Uhcf5`WUhfUn

`YUXYfg"

\UgʻnYfcʻbY[Uh]i Yʻ]a dUWhʻcbʻ9j Yf[`UXYgʻfYghcfUh]cbʻYZcfhg"ʻH\Y ; cj Yfbcf`\Ug`fY]hYfUhYX`h\Uh`h\Y`g]hY`\Ug`VYYb`i gYX`]b`h\Y`dUghž Vfig\]b[`Ug]XY`WcbWYfbg`fU]gYX`Vm`Ybj]fcba YbhU`]ghg`UbX``cWU`

K]h\`Wcbghfi Wh]cb`Wcghg`gcUf]b[`hc`Ub`Ygh]a UhYX``() \$`a]``]cb`dYf mYUfž`ei Ygh]cbg`UVci bX`fY[UfX]b[`h\Y`Z bX]b[`gci fWYg`UbX``cb[! hYfa `gi ghU]bUV]`]hm`cZ`h\]g`]b]h]Uh]j Y"`: 9A 5 g`G\Y`hYf`UbX`GYfj]WYg Dfc[fUa `\Ug`U`gi VghUbh]U``Z bX`Uj U]`UV`Y`hc`VUW_`h\Y`dfc^YWhž g\ck]b[`U`ZYXYfU``Wca a]ha Ybh`hc`Vc`ghYf`]a a][fUh]cb YbZcfWYa Ybh`Uh`U`h]a Y`k \Yb`ch\Yf`ghUhYg`UfY`ghfi [[`]b[`k]h\ WUdUW]hm`]qqi Yq"

5g'; cj Yfbcf'8YGUbh]g'hU_Yg'h\Y'dcX]i a ž'h\Y']bhYfgYWh]cb'cZ]a a][fUh]cbžYbj]fcba Ybhž'UbX'Wca a i b]hm'j U`i Yg'k]```gi fY`m hU_Y'WYbhYf'ghU[Yž'cZZYf]b['U'XfUa Uh]WVUW_Xfcd'hc'cbY'cZ :`cf]XU g'a cgh'WcbhYbh]ci g']ggi Yg'h\]g'mYUf"': cf'h\cgY']bhYfYghYXž h\Y'Yj Ybh'k]```VY'ghfYUa YX'`]j Y'cb'@cWU``%\$'BYk gž'dfca]g]b['hc g\YX'Zi fh\Yf'`][\h'cb'h\Y'ghUhY g'Wcbhfcj Yfg]U``UddfcUW\'hc a][fUh]cb'Ua]Xgh'YgWU`Uh]b['bUh]cbU``W\U``Yb[Yg"

8YhU]`g	
Cfh	+++;`UXYgFX"ž6cWUFUhcbž:`cf]XUžIG5
EiY``Yb	• k k k "`c₩U`%\$"₩ca
	• k k k "Wbb"Wca
	• k k k "bUd`YgbYk g"Wca

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