

9| d`cfY`h\Y`cb[c]b[`XYVUhY`cjYf`Vcc_`VUbg`]b`<]``gVcfci[\ 7 ci bhmž`: `cf]XUž`\][\`][\h]b[`WYbgcfg\]d`]b`gW\cc`g`UbX`]hg]a dUWh`cb`ghi XYbhg"



<]``gVcfci [\ '7ci b hmž': `cf]XUž'I G5 '!': `cf]XU']g'W ffYbh`m'Uh h\Y'W bhYf'cZ'U'\YUhYX'Wcbj YfgUh]cb'gi ffci bX]b['YXi WUh]cbU` W bgcfg\]d"'5 'fYW bh'fYdcfh'Vm'D9B '5a Yf]WU'\Ug``UVY`YX'h\Y ghUhY'Ug'h\Y' 6`i Ydf]bh'GhUhY 'Zcf'W bgcfg\]d']b'di V`]WYXi WUh]cb" H\]g'XYg][bUh]cb'Wca Yg'Ua]Xgh'U'hfci V`]b['hfYbX'k \YfY'UVWYgg hc'Vcc_g']b'di V`]WgW.cc`g']g'fUd]X`m'X]a]b]g\]b[ž'U```i bXYf'h\Y [i]gY'cZ' dUfYbhU``f][\hg 'UbX'dfchYWh]cb'Zfca ']bUddfcdf]UhY WcbhYbh": `cf]XU'HcXUm'fYdcfhg'h\Uh`Uk g``]_Y'<6'%\$*-'U``ck Ubm'g]b[`Y'dUfYbh'hc'fYei Ygh'h\Y'fYa cj U`cZ'a i `h]d`Y'Vcc_g'Zfca gW.cc```]VfUf]Ygž'U'a cj Y'h\Uh'\Ug'fU]gYX'gYf]ci g'WcbWffbg'UVci h h\Y'Yfcg]cb'cZ'UVWYgg'hc'X]j YfgY'`]hYfUfm'k cf_g"'

=b`Wcibh]Yg`k \YfY`dUfYbhg`WUb`cdh!cih`cZ``]VfUfm`UWWYggž`ghiX]Yg

@cc_]b[`Uh`h\Y`VfcUXYf`WcbhYIhž`Vcc_`VUbg`]b`h\Y`I "G"`\Uj Y gi f[YXždUfh]₩`Uf`m'g]b₩`h\Y'7CJ=8!%- dUbXYa]₩zUg'dc]bhYX ci h'Vm'h\Y'MĐ'=bgh]hi hY"': UW]b['cj Yf'(ž\$\$\$'Vcc_'VUbg''i gh']b'h\Y Z|fgh`\U`Z'cZ'h\Y`&\$&' !&\$&(`gW\cc``mYUf U`a cgh'Xci V`Y`h\Y

H Y 6 [Yf D] Whi fY

 $C f[Ub]nUh]cbg^{(1)}_Y h Y : cf]XU DUfYbh HYUW Yf 5 ggc W]Uh]cb^{(1)}FY$ jc]Wb[`WcbWfbg'h\Uh'h\YgY'bYk 'YXi WUh]cbU```Uk g'WUb'`YUX'hc]bWfYUgYX`WYbgcfg\]d`]b`gW\cc`g"`5Xj cWUhYgž``]_Y`7cf]Y`D]bYfc Zfca 'A ca g'Zcf'@\VYfhmž'Uf[iY'h\Uh'U'fUh]b['gmghYa 'Zcf'Vcc_g g]a]`Uf`hc`\ck`a cj]Yg`UfY`fUhYX`k ci `X`\Y`d`UXXfYgg`h\Y`]qqi Yž Vi h'Wf]h]Wg k cffm h\Uh h\YgY a YUgi fYg]bZf]b[Y cb ZfYYXca "

ghi XYbhg 'UVWYgg'hc'`]hYfUhi fY"'

5g'Vcc_'VUbg'YgWU`UhY'Uh'Ub'U`Ufa]b['fUhYž: `cf]XU`\Ug'Ya Yf[YX Ug`h\Y`YUXYf`]b`h\Y`I b]hYX`GhUhYg"`5WWcfX]b[`hc`76G`BYk gž :`cf]XU'bck '\Ug'cj Yf'%ž(\$\$`fYghf]Wh]cbg'cb'Vcc_gž']bX]WUh]b['U ghU[[Yf]b[''']b'fYUgY']b'fYWbh'h]a Yg"'BYk 'ghUhY``Uk g YadckYf'dUfYbhg'hc'WXU``Yb[Y'Vcc_g'h\Ym'Z|bX'cV'YWh]cbUV`Yž `YUX]b[`hc`U`Z`iffm`cZ`fYj]Ykg`UWfcgg`X]ZZYfYbh`gW\cc``X]ghf]Whg"`:cf]bghUbWYžh\Y`6fckUfX`7cibhm`GW\cc``8]ghf]Wh`fYj]YkYX gYjYbhYYb'Vcc_gž`YUX]b['hc'h\Y'fYa cjU``cZ'h\fYY'UbX'h\Y fY`cWUh]cb`cZ`ch\Yfg"`AYUbk \]`YžgdYU_Yfg`Uh`gW\cc``VcUfX a YYh]b[g`\Uj Y`VYYb`UhhYa dh]b['hc`fYUX`gc!WU``YX`]bUddfcdf]UhY a UhYf]U`ž'k]h\ gca Y``UVY`]b['WYfhU]b'hYI hg'Ug'dcfbc[fUd\]W'76G BYkg`\][\`][\hq`h\Uh`k\]`Y`Vcc_q`a Um`bch`VY`ci hf][\h`VUbbYXž h\Y]f`fYa cj U``Zfca ``]VfUf]Yg`fU]qYg`g][b]Z]WUbh`]qqi Yg`UVci h

9qWU`Uh]b[6cc_6Ubg

 $fY_j YU^{h}Uh^{s}_{s} = cZ_gh XYbhg^gh_{fY}Ub^{s}_{g} XYbhg^gh_{fY}UWWggz^{k}_{g}$ fYei]f]b['cdh!]b'ZUWY',\$i 'UWWYgg"'H\]g'dU]bhg'U'ghUf_'d]WhifY'cZ \ck ``Y[]q`Uh]cb'WUb'ibXi `m']bZi YbWY'YXi WUh]cbU`'fYgci fWYg" BchUV`mž: `cf]XU g`[cj Yfba Ybh'a U]bhU]bg'U'VUbbYX'Vcc_``]gh'k]h\ cjYf'+\$\$`h]h`Yq'Zcf'h\Y'&\$&' !&\$&('qW\cc``mYUfž'k]Y`XYX'Vm `cVVm]b['[fcidg``]_Y'Acag'Zcf'@]VYfhm 'hc']bZiYbWY'`cWU`'gW&cc` X]ghf]Whg`]bX]gWf]a]bUhY`m"`

dfYj]ci gʻmYUf a UbmʻghUhYgž`]bWi X]b[`:`cf]XUžʻHYI UgžʻUbX K]gWcbg]bž`\Uj Y`m]Y`XYX`hc`WcbgYfj Uh]j Y``cVVm]b[`U]a YX`Uh fYghf]Wh]b[`j Uf]ci g``]hYfUfm`k cf_g"`H\Y`5a Yf]WUb`@]VfUfm 5ggcW]Uh]cb`fYdcfhg`cj Yf`%\$ž\$\$\$`WUgYg`cZ`Vcc_`VUbb]b[`UWfcgg`(& ghUhYg`g]bWY`a]X!&\$&%ž`a Uf_]b[`Ub`i bgYhh`]b[`fYj]j U``cZ WYbqcfq\]d`fYqYa V`]b[`hUWh]Wq`Zfca `Vm[cbY`YfUg"

H\YgY'VUbg'X]gdfcdcfh]cbUhY`m'UZZYWh``]hYfUhi fY'Vm'@, 6HE =5Ž'UbX 6=DC7'Ui h\cfgž'`]a]h]b['a i W\!bYYXYX'X]j YfgY'fYdfYgYbhUh]cb']b YXi WUh]cbU``WcbhYbh"'=b'ZUWhž'bYUf`m'\U`Z'cZ'h\Y'hUf[YhYX'Vcc_g ZU```]bhc'h\YgY'WUhY[cf]Ygž'fU]g]b['Wf]h]WU`'ei Ygh]cbg'UVci h Wfbgcfg\]d'UbX'ZfYYXca 'cZ'YI dfYgg]cbž'dUfh]W'`Uf`m'Xi f]b['U'h]a Y k\Yb'a YbhU`'\YU`h\'UbX'k Y``!VY]b['UfY'dUfUa ci bh'Zcf'ghi XYbhg [fck h\"'H\Y'a YX]U g'dcfhfUmU`'cZhYb'ZfUa Yg'Vcc_'VUbg'Ug'U bYWfqqUfm'a YUqi fYž'Vi h'h\Y'fYU`]hm']g'ZUf'a cfY'Wca d`YI "

♣ 'WcbWi g]cbž'h\Y'ghU_Yg'UfY'\][\'Ug': `cf]XU'W\Ufhg']hg'Wci fgY']b
h\Y'cb[c]b['XYVUhY'cjYf'YXi WUh]cbU`'WcbhYbhž'k]h\'U'WYUf'bYYX
Zcf'U'VU`UbWYX'UddfcUW\'h\Uh'Wcbg]XYfg'Vch\'dfchYWh]cb'Zcf
W\]`XfYb'UbX'UWWYgg'hc'X]jYfgY'j]Yk dc]bhg']b``]hYfUhi fY''5g
ghi XYbhg'bUj][UhY'h\Y]f']XYbh]h]Yg'UbX'gcW]YhU`']ggi Ygž'h\Y
]a dcfhUbWY'cZ'X]jYfgY'bUffUh]jYg'\Ug'bYjYf'VYYb'a cfY'Wf]h]WU`''
K Y'a i gh'ghUbX'j][]`Ubh'U[U]bgh'WYbgcfg\]d'k \]`Y'UXj cWUh]b['Zcf

| 8 Y hU]`g | |
|-----------|---------------------------------------|
| Cfh | <]``gVcfci[\`7cibhmž': `cf]XUž'IG5 |
| EiY``Yb | • k k k "Z`cf]XUhcXUm"Wca |
| | • k k k "WVgbYk g"Wca |
| | m]d]bgh]hi hY"cf[|

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