



ARTS2095

8][]hU`HYW\bc`c []Yg`UbX`h\Y`GY`Z

HYfa `Cby` `#`&\$&\$



GW\cc`cZH`Y`5ftg`UbX`A`YX]U` `#` `I`BGK` `5ftg`UbX`GcW]U` `GWY`bWY`g

7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUW`i8YHUJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWjhcb	D\cbY
HUFU`A W@YbbUb	h`a WYbbUb4 i bgk "YXi "Ui	A cbXUmg`&da `rc (da ž: f]XUmg`%%Ja rc`%da	F cVYfh K YVghYf 6i]X]b[- ' ,) `+ , * "

GVXcc`7cbhUW`i8Zcfa Uhjcb

Fcca " %&ž`Yj Y`" `F cVYfhK YVghYf`6i]X]b[

D\cbY. f\$&E`- ' ,) `(,) *

9a Uj`: [gUa 4 i bgk "YXi "Ui](#)

K YVg]hY`

7ci fgY'8YHJ]`g

7fYX]hDc]bhg '*`

5ggYgga Ybh

Ghi XYbhg D'YUgY BchY.

- 5`a Uf_g'UfY'dfcj]g]cbU'i bh' hYm\Uj Y'VYYb'Zcfa U'mWcbZfa YX'VmhY': UW'hm5WUXYa]W E i U]mi7ca a]hY'UhY'WcbW'g]cb'cZYUWX'hYfa "A Uf_g'a UmVY'gi V'YWh'c'WXUb[Y'Zcf'j Uf]ci g fYUgcbg]bW'X]b['hY'Udd']W]h]cb'cZ'UH' dYbU'h]YgZ'a cXYfU]cb'UbX'hY'Udd']W]h]cb'cZUWUXYa]W a]gWcbXi W'dYbU'h]Yg"
- 5ggYgga Ybhg'a i ghVY'gi WWggZ' `migi Va]hYX'VmhY'gdYW]ZYX'Xi Y'XUH'UbX'h]a YZcf']hk]` VY'XYa YX'UH'Z'UbX'U'dYbU'hmUdd']YX'"#]g'hY'fYgdcbg]V']]micZYUWX']bX]j]Xi U'gh XYbh'c Ybgi fY'hUhUbm'k cf_]g'gi WWggZ' `migi Va]hYX'VmhY'XYUX']bYz'UbX']b]hg'W'ffYWh Zcfa Uh'Yfg]cb"
- D'YUgY'VY'Uk UfY'hUh5@@UggYgga YbhHug_g'UfY'fYeI]fYX'W'ci fgY'W'ca dcbYbhg'f'li fX'Y W'ca dcbYbhg'f' M'ci 'A I GH'U'hYa dhYUWX'hUg_]b'c'fXY'f'c'dUgg'hY'W'ci fgY': U]i fY'c'W'ca d'YhY UbmicZ'hYgY'hUg_g'k]`fYgi 'h]b'U'Z]i fY'cZ'hY'Ybh]fY'W'ci fgY'Z'Yj Yb']Zm'ci f'fYgi 'hg']b'hY'c'hYf' h'c'hUg_g'a][\hUXX'i d'hc'U'bi'a Yf]W'dUgg]b[[fUXY'"#]g'U'gc'Ub'YI dYW]h]cb'cZ'hY'W'ci fgY'hUh m'ci 'UH'Y'bX'U'a]b]a i a 'cZ+'ci hcZ-'h'hc'f]U'g"

H\]g'7ci fgY'c'j Yfj]Yk'dfcj]XYg'm'ci 'k]h'hY'VUg]W]bZcfa Uh]cb'UVci h'hY'W'ci fgY'UbX'YI d'U]bg]a d'c'f'Ubh I BGK'dc']W'h'8YH]g'Zcf'YUWX'UggYgga YbhUfY'Uj U]UV'Y'cb'A ccX'Y"

H\Y'dfY'Z'ffYX'fY'Z'fYbW]b['gmghYa 'Zcf'h]g'W'ci fgY']g'<Ufj UfX'z'k \]W']g'Ub']b!hYI hfY'Z'fYbW]b['gmghYa " H\YfY'UfY']b_g']b'hY' "<Y'dZ' `F'Ygci f'W'g' "cb'A ccX'Y'UVci h\ck'hc' i gY'<Ufj UfX'"M'ci 'a Umi gY'Ubch'Yf' gmghYa 'Zcf'Ub'UggYgga Ybh]Zm'ci 'k]g\z'Vi hirci 'a i ghUdd'm]hW'cbg]ghY'bhmiUbX'UWW'fUH'm"

5ggYgga YbhHug_g'

5ggYgga YbhHug_g'	K Y][\h	8i Y'8UH'	Ghi XYbh@YUfb]b[C i hW'ca Yg'5ggYggYX

5XX]h]cbU`XYHJ]`g.

9j Yfmk YY_]b`h]g`gi VYWhk]``]bWl XY`VYbXYX`YUfb]b[`a UHf]U`h\UhUg_g`Zcf`mci `hc`]bhYFUWhk]h`U
ei Ygh]cbz]XYU`cf`8 MfYgYUfWk`hUg_`dYfHJ]b]b[`hc`YVWh fY`a UHf]U`#fYUX]b[g`"F YgdcbgYg`hc`cb`]bY
`YUfb]b[`a UHf]U`g`Zca `k YY_g`%`hc`(`k]``Zcfa `5ggYgga YbhC bY`"9UWk`fYgdcbgY`]g`Xi Y`cb`]bY`Vmi: f]XUm
Uh`%%) \$da `cZh\Y`k YY_]h]g`gYh`gc`]hk]``VY`]a dcfHUbhlc`_YYd`cb`hc`cZh\Y`A ccX`Y`WcbhYbhfY[i `Ufm`
:]j Y`a Uf_g`k]``VY`XYXi WWhX`Zca `mci f`UggYgga Ybh`a Uf_`Zcf`YUWk`Z` ``XUmcZ`UH`gi Va]gg]cb`f]"Y"
Ubmt\]b[`gi Va]hYX`UZfY`h\Y`YI dYWWhX`k YY_`mi: f]XUmi d`cUXE"

5hYbXUbWV`Uh\Y`Zfghk c`]bhYFUWhj] Y`YVWh fYg`cZh\Y`h`fa `k]``VY`Y`dZ` ``]b`XYj Y`cd]b[`mci f]XYUg`Zcf
k f]hYb`fYgdcbgYg`fUg`h\Y`UWhj]]hYg`k]``]bj c`j Y`gY`ZfYZYI]j Y`Wcbg]XYfU]cb`cZX][]hU`YI dYf]YbWWhg
WcbXi WWhX`]b`YVWh fY`h`a YE"

Mci f`g\c`fhk f]hYb`hYI hg`k]``VY`a Uf_YX`VUgYX`cb`h\Y`Zc`ck]b[.

- 9b[U[Ya Ybh`Yj]XYbW`cZUWhj] Y`i gY`cZfYUX]b[g`UbX`fYgdcbg] YbYgg`hc`cb`]bY`dfca dhg`Zcf
]bXYdYbXYbh`YUfb]b[
- I bXYfghUbx]b[. Wca dfY\Ybg]cb`cZh\Ycfm
- K f]h]b[.

WYUHY'hc[YhYf']b!WUgg#eb]bY'fWcbg]XYf'h]g'U'Zcfa'cZ]a d'fcj]gUhc]bU'd'Umc'f'VUbHf'f'h'Uh\Ug'd'UbbYX
Zci bXUhc]cbgE"

H\Y'ei U']micZhY'Ui X]c]g'bchVY]b['UggYggYXz'U'h'ci [\ 'hY'gci bX'k]''bYXX'hc'VY'gi Z]WYbhZcf'hY
']ghYbYf'hc'Wca d'fY\YbX'UbX'mci fi'bYXX'hc'gdYU_'WYUf'm'

9X]hb['WUb'hU_Y'd'UW'k]h'mci f'Wc]W'cZ]YX]hb['gcZk UfY'fUbX'gca Y'gi [[Ygh]cbg'k]''VY'dcghYX'cb
A ccX'Y'Zcf'mci 'hc'Yi d'cfY'hc[YhYf]'#ghfi W]cbg'Zcf'\ck 'hc'gi Va]h'mci f'gci bX'Z]Y'k]''U'gc'VY'Uj U]UV'Y
cb'A ccX'Y"

D`YUgY`bcH`h`U`h`X`i`Y`h`c`h`Y`d`i`V`]W`l`c`]X`U`m`]b`k`Y`Y`_`-`ž`A`c`b`X`U`m`h`h`c`f`]U`g`k`]`V`Y`U`c`W`U`h`Y`X`k`Y`Y`_`%`\$`U`g`U`
a`U`_`Y`i`d`k`c`f`_`g`l`c`d`d`]b`[`g`Y`g`g`]c`b`h`c`k`U`f`X`g`h`Y`]f`Z`b`U`_`U`g`g`Y`g`g`a`Y`b`h`f`"Y`"Y`U`W`X`W`U`g`g`k`]`f`Y`W`]j`Y`U`h`c`U`c`Z`
'`]b`!`W`U`g`g`k`c`f`_`g`l`c`d`g`h`U`h`k`]`V`Y`U`g`g`Y`g`g`Y`X`Z`c`f`]b`]h`U`h`j`Y`U`b`X`W`]h`W`#`W`Y`U`h`j`Y`d`U`b`b`]b`[`L`"

5`g`g`Y`g`g`a`Y`b`h`H`f`Y`Y`]g`X`Y`g`[`b`Y`X`h`c`g`i`d`d`c`f`h`m`c`i`]b`]b`W`Y`a`Y`b`H`U`m`X`Y`j`Y`c`d`]b`[`m`c`i`f`Z`b`U`_`U`g`g`Y`g`g`a`Y`b`h`ž`k`]h`
Z`c`f`a`U`h`j`Y`Z`Y`X`V`U`W`_`Z`c`a`m`c`i`f`h`h`c`f`U`b`X`d`Y`Y`f`g`"H`c`Z`U`W`]h`U`h`h`h`g`ž`m`c`i`k`]`V`Y`U`g`_`Y`X`h`c`W`c`a`d`Y`h`j`Y`f`m`i`g`l`c`f`h`
k`f`]h`Y`b`_`U`W`]j`]h`Y`g`h`U`h`k`c`f`_`h`c`k`U`f`X`g`m`c`i`f`Z`b`U`_`g`i`V`a`]g`g`]c`b`ž`k`]h`c`b`Y`X`i`Y`]b`Y`U`W`_`c`Z`k`Y`Y`_`g`g`Y`j`Y`b`ž`Y`[`h`U`b`X`
b`]b`Y`f`k`Y`Y`_`h`Y`b`Z`c`f`A`c`b`X`U`m`h`h`Y`g`E`"H`Y`g`Y`U`W`]j`]h`Y`g`U`f`Y`g`]a`d`m`k`c`f`_`]b`!`d`f`c`[`f`Y`g`g`c`b`_`Y`m`U`g`d`Y`W`h`g`c`Z`m`c`i`f`
f`Y`g`Y`U`f`W`ž`b`c`h`Z`]b`]g`l`Y`X`d`f`c`X`i`W`g`"M`c`i`f`i`V`Y`U`g`_`Y`X`h`c`W`c`b`g`]X`Y`f`k`U`h`a`Y`X`]i`a`ž`U`b`X`[`Y`b`f`Y`m`c`i`U`f`Y`]b`h`f`Y`g`h`Y`X`
]b`Z`c`f`m`c`i`f`_`U`g`h`d`f`c`Y`W`ž`U`b`X`k`Y`f`i`Y`d`c`f`Y`l`c`k`a`Y`U`b`]b`[`W`U`b`V`Y`W`c`b`j`Y`m`Y`X`h`f`c`i`[`h`c`h`c`b`m`X`[`]h`U`W`c`b`h`Y`b`h`
V`i`h`X`]Z`Y`f`Y`b`h`X`[`]h`U`_`Z`c`f`a`g`"

ž`k`c`f`_`g`l`c`d`d`]b`[`h`h`c`f`]U`g`m`c`i`k`]`g`i`V`a`]h`i`g`l`c`f`h`i`d`]Y`W`g`c`Z`k`c`f`_`j`]U`A`c`c`X`Y`f`d`Y`U`g`Y`g`Y`Y`c`i`f`g`i`V`Y`W`h`g`]h`Z`c`f`
Z`f`h`Y`f`X`Y`h`U`]g`E`"M`c`i`k`]`b`c`h`f`Y`W`]j`Y`k`f`]h`Y`b`Z`Y`X`V`U`W`_`c`b`m`c`i`f`b`c`h`Y`g`ž`V`i`h`k`]`X`]g`W`g`g`m`c`i`f`d`f`c`Y`W`h`U`b`X`
d`f`c`[`f`Y`g`g`Y`U`W`_`k`Y`Y`_`k`]h`m`c`i`f`h`h`c`f`f`k`l`c`k`]`V`Y`_`Y`Y`d`]b`[`h`Y`]f`c`k`b`f`Y`[`i`U`f`b`c`h`Y`g`c`b`m`c`i`f`d`f`c`[`f`Y`g`g`U`b`X`
W`c`b`h`f`]V`i`h`c`b`h`c`k`c`f`_`g`l`c`d`d`]b`[`h`a`Y`Z`c`f`h`Y`]f`a`U`f`_`]b`[`d`f`c`W`g`g`E`"

K`Y`i`b`X`Y`f`g`h`U`b`X`_`U`b`X`_`U`d`d`f`Y`W`U`h`Y`h`U`h`m`c`i`_`l`U`j`Y`c`h`Y`f`U`g`g`Y`g`g`a`Y`b`h`g`ž`d`U`]X`k`c`f`_`U`b`X`_`U`g`c`W`U`_`]Z`Y`ž`g`c`k`Y`X`c`b`h`
Y`i`d`Y`W`h`i`[`Y`U`a`c`i`b`h`g`c`Z`k`c`f`_`]b`[`c`b`U`k`Y`Y`_`m`i`V`U`g`]g`ž`V`i`h`k`Y`X`c`k`U`b`h`c`g`Y`Y`f`Y`[`i`U`f`d`f`c`[`f`Y`g`g`"9`Z`c`f`h`U`b`X`
Y`b`Y`f`[`m`c`j`Y`f`h`a`Y`k`]`V`Y`f`Y`k`U`f`X`Y`X`"

M`c`i`k`]`V`Y`[`f`U`X`Y`X`c`b`.

- 9`b`[`U`[`Y`a`Y`b`h`#`b`]h`U`h`j`Y`Y`j`]X`Y`b`W`_`c`Z`U`W`]j`Y`m`g`Y`Y`_`]b`[`f`Y`g`Y`U`f`W`_`g`c`i`f`W`g`U`b`X`_`W`h`j`U`h`]b`[`i`g`Y`c`Z`
[`Y`b`f`Y`
- F`Y`g`d`c`b`g`]j`Y`b`Y`g`g`h`c`Z`Y`X`V`U`W`_`]b`h`f`U`W`]c`b`k`]h`]X`Y`U`g`Z`c`a`d`Y`Y`f`g`U`b`X`h`h`c`f`g`]b`X`Y`j`Y`c`d`]b`[`h`Y`
d`f`c`Y`W`h`
- D`Y`Y`f`g`i`d`d`c`f`h`W`c`b`g`f`i`W`]j`Y`]b`!`W`U`g`g`U`b`X`c`b`]b`Y`W`c`b`h`f`]V`i`h`c`b`g`h`c`h`Y`f`g`f`]X`Y`U`g`

G`i`V`a`]g`g`]c`b`b`c`h`Y`g`D`Y`U`g`Y`g`Y`Y`A`c`c`X`Y`]b`g`f`i`W`]c`b`g`Z`c`f`l`c`k`h`c`g`i`V`a`]h`m`c`i`f`V`f`]Y`Z`k`c`f`_`g`l`c`d`d`]b`[`b`c`h`Y`g`"

H`i`f`b`]h`b`g`Y`h`]b`[`.`H`l`]g`]g`b`c`h`U`H`i`f`b`]h`b`U`g`g`[`b`a`Y`b`h`

5`g`g`Y`g`g`a`Y`b`h`(.`7`f`Y`U`h`j`Y`#`X`Y`d`Y`b`X`Y`b`h`F`Y`g`Y`U`f`W`_`f`D`f`c`Y`W`h`

G`H`U`f`h`X`U`h`Y`_`D`f`c`[`f`Y`g`g`h`c`k`U`f`X`g`h`h`g`h`U`g`_`V`Y`[`]b`g`U`g`d`U`f`h`c`Z`5`g`g`Y`g`g`a`Y`b`h`H`f`Y`Y`ž`]b`k`Y`Y`_`+`"

@`Y`b`[`h`l`(`a`]b`i`h`Y`g`X`[`]h`U`W`c`b`h`Y`b`h`d`i`g`+)`\$`k`c`f`X`g`C`F`(&)`\$`\$`k`c`f`X`Y`g`g`U`m`f`

8`Y`h`U`]g`_`#`X`]j`]X`i`U`f`Y`g`Y`U`f`W`_`D`f`c`Y`W`h`—`d`Y`f`c`d`h`c`b`g`d`f`Y`g`Y`b`h`Y`X`c`b`7`c`i`f`g`Y`A`c`c`X`Y`g`]h`Y`c`i`f`f`(`L`a`]b`i`h`Y`g`
X`[`]h`U`W`c`b`h`Y`b`h`d`i`g`+)`\$`k`c`f`X`g`k`f`]h`Y`b`W`c`b`h`Y`b`h`C`F`(&)`\$`!`k`c`f`X`Y`g`g`U`m`Y`Y`X`V`U`W`_`j`]U`@`A`G`H`l`]g`]g`h`Y`Z`b`U`
U`g`g`Y`g`g`a`Y`b`h`

5`X`X`]h`c`b`U`X`Y`h`U`]g`.

M`c`i`k`]`X`f`U`k`]X`Y`U`g`U`b`X`Z`c`a`5`g`g`Y`g`g`a`Y`b`h`H`f`Y`Y`f`k`c`f`_`g`l`c`d`d`]b`[`L`]b`c`f`X`Y`f`h`c`X`Y`j`Y`c`d`U`b`X`f`Y`Z`b`Y`h`h`g`
#`X`]j`]X`i`U`f`Y`g`Y`U`f`W`_`D`f`c`Y`W`h`M`c`i`a`i`g`h`W`c`c`g`Y`m`c`i`f`c`k`b`h`c`d`]W`U`b`X`Z`c`W`g`c`Z`f`Y`g`Y`U`f`W`ž`V`U`g`Y`X`c`b`
h`Y`a`Y`g`#`h`Y`c`f`]Y`g`h`U`h`l`U`j`Y`Y`a`Y`f`[`Y`X`c`j`Y`f`h`Y`h`r`f`a`f`U`h`c`i`[`h`V`Y`W`U`i`h`c`i`g`b`c`h`h`c`f`Y`d`Y`U`h`k`c`f`_`W`U`b`j`U`g`g`Y`X`]b`
m`c`i`f`[`f`c`i`d`d`c`X`W`U`g`ž`h`h`g`]U`g`g`Y`g`g`a`Y`b`h`g`l`c`i`X`g`h`f`Y`h`W`m`c`i`f`h`]b`_`]b`[`U`b`X`_`b`c`k`Y`X`[`Y`]b`b`Y`k`X`]f`Y`W`]c`b`g`E`"

Mci`a Umk f]h'U'hfUX]hcbU`YggUmicf'gi Va]hUb`U'h'fbUhj Y`Zcfa Uhgi Wk`Ug'j]XYcz'Ub]a Uh]cbz'Ub`]a U[Y
YggUmicf'gca Y`Zcfa`cZ]bh'fUWvj Y`a YX]U"

UggYgga Ybh'

- Gfi Wf fY'UbX'Wc\YfYbWf. 'XYj Y`cda YbhcZUb'UfhjW'`UhY'UbX'Wc\YfYbhdYfgdYWfj Y`cb`X][`]fU`
hYWXbc`c[`]Yg'UbX'gY`ZfYdfYgYbHjcbzk \Yh\Yf'Wc`bj YmYX'Ug'U'hfUX]hcbU`YggUmUf[i a Ybhc'f`]b`Ub

5 HbXUbW F Yei JfYa Ybhg

Mci UFY YI dYWX hc UHbX U'a]b]a i a icZ+ci hcZ- 'hi hc f]Ug]b hY hf a " -Zmci UFY i bUV Y hc UHbX Zcf YI Hbi Uh]b [WFW a gHbWg'cf] bYggzd YUgY [Yh]b hci Wk k]h' mci f'hi hc f' 5HbXUbW UHhY Zci f ZJW!hc! ZJW fZ&Z YW h fYg]g'g'fcb [mUXj]gYX]b'cfXYf'hc'gi ZJWYbhmUXXfYgg hY W]hf]U Zcf mci f UggYgga Ybh Hg_g'f]Y "UggYgga Ybhg k] XfUk 'i dcb hY YI dYf]YbW' cZYb [U []b ['k]h' hY Wk bc'c [m]b' U "]j Y'Ui X]YbW " WcbH I h'

D YUgY bch' YW h fYg'k] VY fY Wc fXYX " -Zmci UFY i bUV Y hc UHbX U' Zci f'gWXYXi YX Z&Z YW h fYg' Xi Y hc YggYbh]U' k cf_ Wca a]h Ybhg'cf YI Hbi Uh]b [WFW a gHbWg'z hYb' d YUgY WcbH W h hY Wc i fgY Wcbj Ybcf]b UXj UbW k]h]bZca Uhcb'cb hY fYUgcb VY \]bX' mci f UVgYbW " K]h' gi ZJWYbhbch]W f]Y " Uh YUgh & (\ci fg'df]cf'hc hY fY Yj UbhZ&Z YW h fYz mci 'k] VY dfcj]YX'k]h UXj]W'cb \ck 'hc UddfcUW 5ggYgga YbhC bY'k]h'ci hdUfh]WdUhcb]b hY "]j Y'Ui X]YbW " WcbH I h'

D YUgY bch' hYgY Zci f Z&Z YW h fYg' U' cW W f'Zca ' - Ua !%aJa 'cb hY Zc'ck]b [XUHg. &%\$&ž&, # \$&ž% (# \$' ž UbX' &+#\$' " -Zmci UFY i bUV Y hc UHbX UbmicZ hYgY Xi Y hc YggYbh]U' k cf_ Wca a]h Ybhg'cf YI Hbi Uh]b [WFW a gHbWg'z d YUgY WcbH W h hY Wc i fgY Wcbj Ybcf]b UXj UbW "

h'k] VY]a dcf]Ubh'hc _YYd'cb'hc d'cZ hY fY [i 'Ufi dXUHg'cb' A ccX'Y fUg'h]g']g' U'V YbXYX " YUfb]b [gi V YW " C b]bY WcbH h'bhk] VY fY YUgYX'k YY_ nž Yj YfmK YXbYgXUmVY Zcf Y hY fY UH X' h' hc f]Ug' H \Y gh] [[YfYX fY YUgY cZcb]bY WcbH h'bh]g' XYg] [bYX'hc' dfc [fYgg] Y mgWU Zc' X' hY " YUfb]b ['YI dYf]YbW' f'hc gfYUa]bY hY Wca a i bU'XYj Y'cda YbhUbX' i bXYfgHbX]b [cZ_Ymi hYcf]Yg'

7 ci fgY GWXYXi Y

[J Jk WUgg'ha YhUV Y](#)

Hja YHUV Y

8 UH	HmdY	7 cbhYbh
K YY_ '% %+ : YVfi Ufm! :&% : YVfi Ufm	Hi hc f]U'	Hi hc f]U'. HfUW]b ['hY'GY'Z D YUgY bch' h' Uh' mci UFY YI dYWX hc Wca Y hc h']g' ZfghWUgg' \Uj]b ['Yb [U [YX'k]h' 'cb]bY a UHf]U'g' di V]g' \YX'cb' A ccX'Y]b' C! K YY_ fi YVfi Ufm % \$ h' E " 7 Ugg' X]gW gg]cb' UbX' UW h]h' Yg k] XfUk 'i dcb]bhYfUW h] Y'cb]bY WcbH h'bh' K Y'k] YghUV]g' \ [fci dg' Zcf UggYgga Ybhg]b' hYgY Zfgh h' h'g' VUgYX'cb' mci f'cb]bY Yb [U [Ya Ybh]b' C! k YY_ "
	@YW h fY	: UW!hc!: UW fZ&Z' @YW h fY. H \Y'8] []h' Gi V YW h : f]XUm & (h' ž - Ua ' ! % aJa

		<p>H\]g:k]`VY`Ub`]bHfUW]j Y`YWh fY`i g]b[`X][]hU` hYWXbc`c[m]Zcf`Ui X]YbW`dUfh]W]dU]cb": cf`mci f`Z]fgh UggYggga Ybhfc`b`]bY`fYgdcbgYglZ`mci `k]`VY`Ug_YX hc`fYZYWhcb`hLY`YI dYf]YbW`cZYb[U[]b[`k]h hYWXbc`c[m]b`U`f]j Y`Ui X]YbW`fW`cbH]I h`HLY`W`cbH]bh UbX`XY`]j YfmcZHY`YWh fY`k]`U`gc`[c`hck UfXg h`hc]Ug`]b`k YY`_`lk`c`"D`YUgY`fYa Ya VYf`hc`U`gc VX`YW`_`A ccX`Y`Zcf`g`c`f`h`c`b`]bY`UW]j]h]Yg`UbX j]XYcg`Ug`dfYd`Zcf`mci f`h`hYg`]b`k YY`_`lk`c`Z`UbX hc`_`YYd`cb`hc`d`cZUggYggga YbhdfcW`ggYg"</p>
<p>K YY_`&.`&(: YVfi Ufm!`&, : YVfi Ufm</p>	<p>Hi hc]U`</p>	<p>Hi hc]U`. `HLY`8][]hU`Gi V`YWh</p> <p>Ci`f`gYW`cbX`k YY`_`cZ`h`hYg`k]`VY`VUgYX`cb`hLY W`ca V]bYX`fYgci`fW`g`cZ`hY`k YY`_`cbY`Z&Z`YWh`fYž S`V`cb`]bY`W`cbH]bh`</p>
	<p>@YWh fY</p>	

<p>K YY_ " . : & ' A UfVX ! '* A UfVX</p>	<p>Hi hcf]U`</p>	<p>Hi hcf]U`. '7]fW]hg`cZ7i `hi fY`UbX DYfZcfa]b[`h\Y`GY`Z</p> <p>Hi hcf]U`g`VUgYX`cb`h\Y`Wca V]bYX`fYgci fWg`cZh\Y k YY_`hk c`Z&Z`YWhi fY`S` V`cb`]bY`WcbhYbH`</p>
	<p>6`YbXYX</p>	<p>C b`]bY`@YWhi fY. `A UHf]U`]mž6cX]Ygž H\]b[g</p> <p>B c`Z&Z`YWhi fYg`h\]g`k YY_žVi hmc i `UFY`YI dYWhYX`hc `Uj`Y`UWh] Y`mYb[U[YX`k]h`h\Y`cb`]bY`YWhi fY WcbhYbHžk `]W`k]`VY`a UXY`Uj U]UV`Y`hc`mci `cb K YXbYgXUm`C b`]bY`YWhi fYg`UFY`a UXY`i d`cZg\cfh &\$`a]b`j]XYcg`]b`h`fY`dUfHž`UbX`UFY`XYg][bYX`hc VY`ZYI]V`Y`Zcf`mci f`gWXYXi `Y"</p>

<p>K YY_(.-'A UfVX !'% A UfVX</p>	<p>Hi hcf]U`</p>	<p>Hi hcf]U`. 'A UHf]U`]mž 6 cX]YgžH\]b[g</p> <p>Hi hcf]U`g`VUgYX`cb`hY`V`YbXYX`YUfb]b[`WcbhYbh Uj U]UV`Y`cb`A ccX`Y`Zca `K`YXbYgXUmicZK YY_ ' ""D`YUgY`bc`h`h`Uhk`Y`VY[]b`dcXWUghfYWcfX]b[g Zc`f`mci`f`gYWcbX`UggYgga`Ybh]b`WUgg`h`]g`k`YY_`"</p>
	<p>@YWi fy</p>	<p>: & `@YWi`fy.`H]a`Y`]bYg`!`'6]fh`ž`8YUh\` UbX`@]Z`Y`C`b`]bY`</p> <p>H\]g`k`j`VY`Ub`]bhYfUW]j`Y`YWi`fy`i`g]b[`X][]hU` hYWXbc`c[m]Zc`f`Ui`X]YbW`dUfh]W]dU]cb`"Mci`k`j`VY` Ug`_YX`h`fYZYW]cb`hY`YI`dYf]YbW`cZYb[U[]b[`k`]h` hYWXbc`c[m]b`U`f]j`Y`Ui`X]YbW`fWcbhYI`h`hY`WcbhYbh` UbX`X`Y`]j`YfmcZ`hY`YWi`fy`k`j`[`c`hck`UfXg`h`hcf]U`g`]b`k`YY_`h`fY`"D`YUgY`fYa`Ya`VYf`h`U`gc`W`X`W` A`ccX`Y`Zc`f`g`c`f`h`c`b`]bY`UW]j`]h]Yg`UbX`j`]XYcg`Ug` dfYd`Zc`f`mci`f`h`hYg`]b`k`YY_`Z]j`Yž`UbX`h`_`YYd`cb` hcd`c`Z`UggYgga`Ybh]dfc`W`ggYg`"</p>
	<p>5ggYgga Ybh</p>	<p>5ggYgga YbhC`bY.`Wca`d`Y`hYX`Vmi: f]XUm` %`h`Uh`%%)`\$da`</p> <p>K`YY_`mcb`]bY`fYgdcbgYg`k`j`VY`Z]bU`]gYX`k`]h`cbY` UghfYZYW]j`Y`hUg`_`cj`Yfj`]Yk`]b[`hY`dUghZci`f`k`YY_`g` cZgh`Xm`D`YUgY`gY`A`ccX`Y`Zc`f`XYH]`g`"</p>

K YY_) : %* 'A UfVW ! ' & \$ A UfVW	Hi hcf]U'	

<p>K YY_+. " \$'A UfVX !" 5df]</p>	<p>Hi hcf]U'</p>	<p>Hi hcf]U'. '8] []hJ' #h]a UW]Yg'UbX'5 ZZYWh Hi hcf]U'g'VUgYX'cb'h\Y'Wta V]bYX'fYgci fW]g'cZhY k YY_'g]l 'Z&Z'YWhi fY'S' V'cb]bY'WcbhYbH'D'YUgY bchY. '5ggYgga YbhH\ fYY'fk cf_g\cdd]b['cZmci f Z]bU'dfc'YWk]' Wta a YbW'h\]g'k YY_'b'WUgg"</p>
	<p>6'YbXYX</p>	<p>Cb]bY'@YWhi fY. '5"'=UbX'6YWta]b['A cfY h\Ub'<i a Ub Bc'Z&Z'YWhi fYg'h\]g'k YY_žVi hmc i 'UfY'YI dYWYX'hc</p>

<p>K YY_%.&\$ 5df]!'&(5df]</p>	<p>Hi hcf]U'</p>	<p>A U_Y! d`7`UggYg`Zcf`A cbXUmHi hcf]U`g. K cf_ž`D`UmUbX`8][]hU`8Yhc </p> <p>D`YUgY`bchYžcb`mA cbXUmhi hcf]U`g`k]`fi b`h]g k YY_`Ug`a U_Y!i d`Yggcbg`Zcf`hY`k YY_`-`di V`]W \c`]XUm`Hi YgXUmhi hYg`k]`bchVY`fi bb]b[""H\]g]g`hY`Z]bU`k YY_`cZ5ggYgga YbhH\fYY K cf_g\cdd]b[`Zcf`A cbXUmHi hcf]U`g"</p>
	<p>5ggYgga Ybh</p>	<p>A cbXUmHi hYg`C b`m`</p> <p>@UghbchYg`cZ5ggYgga YbhH\fYY`K cf_g\cdd]b[UXXYX`h`cb`]bY`k cf_g\cdd]b[`XcW`a YbhU]cb`Vm K YXbYgXUm&&bXž%%) \$da</p>
	<p>5ggYgga Ybh</p>	<p>5ggYgga Ybh: ci f. `bXYdYbXYbh F YgYUfW\ `Dfc`YW]gi Va]hYX`Vm5df] &(h ž%%) \$da</p> <p>D`YUgY`gYY`A ccX`Y`Zcf`XYhU]g`cb`\ck`h`i d`cUX mci f`dfe`YWhXcW`a Yb]g`UbX`Z]Yg"</p>
<p>K YY_`%%`&+`5df]!'&, 5df]</p>		<p>Bc`hi hcf]U`g`cf`YWhi fYg`fcb`]bY`cf`Z&Z"</p>

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

D`YUgY`gYY`A ccX`Y`Zcf`U`fYei`]fYX`fYUX]b[g`UbX`fYgci`fWg`"Mci` `UFY`YI`dYW`X`hc`Yb[U[Y`k`]h`YUW`cZ`h`Y`gYh`fYUX]b[g`Zcf`YUW`k`YY`_`fYj`Yb`]Z`h`g`]bj`c`j`Yg`g`_`a`a`]b[`UbX`g`WUbb]b[`Zcf`k`YY`_`g`k` \YfY`mci` ` \Uj`Y` \YUj`mk`cf`_`W`a`a`]h`a`Ybhg`YhW`L`

F YW`a`a` YbXYX`F Ygci fWg

D`YUgY`gYY`A ccX`Y`Zcf`U`fYW`a`a` YbXYX`fYUX]b[g`UbX`fYgci`fWg`"5XX]hcbU`a` UHf]U`k`]`VY`dfcj`]XYX`Zcf`mci` `hc`YI`d`cfY`h`Y`X`]ZYfYbha`YX]i`a`g`z`[YbfYg`UbX`X][`]U`Z`fa`g`mci` `a`][\hW`ccgY`Zcf`mci`f`Z]bU`dfc`YW`

7ci fgY`9j`U`i`Uh]cb`UbX`8Yj`Y`cda`Ybh

Gh`XYbhZYXVUW`_`]g`j`U`i`YX`]b`h`]g`W`ci`fgY`UbX` \Y`dg`i`g`]a`dfcj`Y`mci`f`YUfb]b[`YI`dYf]YbW`" `h`h`Y`dUgh`Z`UbU`mg]g`cZA`m`9I`dYf]YbW`gi`fj`YmfYgi` `hg`z`Ug`k`Y`U`g`X`]fYVh`ZYXVUW`_`Z`ca` `gh`XYbhg`z` \Ug`YX`hc`fYXi`W`X`bi`a`VYfg`cZfYUX]b[g`z`b`Yk` `W`ci`fgY`hc`d]Vg`UbX`h`Y`fY`Z]b`Ya`Ybh`cZUggYgga`Ybh]bg]fi`W`]cbg`":`cf`YI`Ua`d`Y`z`h`Y`YI`dYW`U]h]cbg`Zcf`5ggYgga`Ybh(` `h`X]j`]Xi`U`F`YgYUfW` `Dfc`YVh` \Uj`Y`VYyb`a`cfY`WYUfmgYhci`h`Z`c`k`]b[gh`XYbhZYXVUW`_`"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Hi fb]hb`Gi Va]gg]cb

zmc i`YbWci bhYf`U`dfcV`Ya`k` \Yb`U`H`Ya` dh]b[`hc`gi Va]hmc i`f`Ugg][ba YbhHfci [\`Hi fb]hbzd`YUgY
H`Y`d`l`cb`Y`9I`H`f`b`U`Gi` ddcfhcb`-`'` ,`)` " ` ' ` ' ` %cf`Ya` U]`H`Ya` `cb`YI`H`f`b`U`H`f`gi` ddcfh4` i` bgk` "YXi` "Ui` "Gi` ddcfh
`l`ci` fg`UfY` ,` .`\$\$Ua` -`-%\$.`\$\$da` `cb`k` YY`_`XUmg`U`bX`-` .`\$Ua` -`)` .`\$da` `cb`k` YY`_`YbXg`f`l` *)` `XUmg`U`m`Y`U`f`l`" zmc i
UfY`i` bUV`Y`hc`gi Va]hmc i`f`Ugg][ba YbhXi`Y`hc`U`ZU`i`h`k`]H`Hi`fb]hb`mc i`a` UmiUdd`miZc`f`Ub`YI`H`f`bg]cbz`Vi`hmc i
a`i` ghf`Y`H]b`mc i`f`h]W`Y`hbi`a` VYf`Z`ca` `9I`H`f`b`U`Gi` ddcfhf`U`cb[`k`]H`U`bmc`H`Y`f`f`Y`j` UbhXcW`a` Yb`hg`L`hc
]bW`i`XY`Ug`Y`j`]XYbW`hc`gi` ddcfhmc i`f`YI`H`f`bg]cb`Udd`]W`h]cb" zmc i`Ya`U]`9I`H`f`b`U`Gi` ddcfhmc i`k`]`
Ui`hc`a`U`h]W`U`m`f`Y`W`]j`Y`U`h]W`Y`hbi`a` VYf`z`Vi`h]Zmc i`H`Y`d`l`cb`Y`mc i`k`]`b`YYX`hc`gd`Y`W`Z]W`U`m`Ug`_`Zc`f`cb`Y`"
Hi`fb]hb`U`gc`d`fcj`]XYg`i`d`XU`H`g`i`cb`H`Y`j`f`gm`gh`Ya` `gh`U`h`g`i`cb`Hk`]H`Y`f`"

; YbYfU`mz`UggYgga YbhHUg_g`a`i` ghVY`gi Va]H`Y`X`Y`Y`W`f`cb]W`U`mj`]U`Y`]H`Y`f`Hi`fb]hb`cf`U`A`ccX`Y`
Ugg][ba Ybh`H`b`]bg`H`b`W`g`k` \Y`f`Y`H`L`g`]g`b`chid`cgg]V`Y`Z`]h`k`]`V`Y`g`H`Y`X`i`cb`mc i`f`W`ci`fg`Y`g`A`ccX`Y`g`]H`k`]H`
U`H`f`b`U`h]j`Y`gi Va]gg]cb`XY`H]`g`"

: cf`]b`Zc`fa`U`h]cb`cb`l`ck`hc`gi Va]h]Ugg][ba Ybh`g`cb`]b`Y`j`]U`A`ccX`Y` .` \`H`td`g`#`gh`XYb`H`i`bgk`"YXi`"Ui`#`ack`!
gi Va]h]Ugg][ba Ybh`a`ccX`Y`

5 WUXYa]W<c bYghmUbX`D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b[`hY`k cfXg`cf]XYUg`cZchYfg`UbX`dfYgYbh]b[`hYa `Ug`mci f`ck b" `hWUb`hU`Y`a Ubm
Zcfa gž`Zca `XY`]VYfUHY`WXYU]b[`hc`UWV]XYbhU`mW`dm]b[`Zca `U`gci fW`k]h`ci hUW_bck`YX[Ya Ybh`

I BGK `[fci dg`d`U[]Uf]ga `]bhc`hY`Zc`ck]b[`WUHY`[cf]Yg.

7 cdm]b[.`i g]b[`hY`gUa Y`cf`j Yfmg]a]Uf`k cfXg`hc`hY`cf][]bU`hYI hcf]XYU`k]h`ci hUW_bck`YX[]b[`hY`
gci fW`cf`i g]b[`ei chU]cb`a Uf_g" `H\]g`U`gc`Udd`]Yg`hc`]a U[YgžUfhUbX`XYg][b`dfc`YWgžUg`k Y`Ug
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k]h`ci hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[]b[`U`ZYk`k cfXg`UbX`d`fUgYg`k`Y`a cghmifYU]b]b[`hY`cf][]bU`
ghfi W`fY`UbX`#`f`dfc[fYgg]cb`cZ]XYUg`cZ`hY`cf][]bU`ž`UbX`]bZcfa U]cb`k]h`ci hUW_bck`YX[Ya Ybh`H\]g`U`gc
Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k cfXg`k]h`ci hWYX]hU`bX`hc
d]YW]b[`hc[YhYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k \c`Yž`k]h`ci hUddfcdf]UHY`fYZYfYbW]b["

7 c`i g]cb.`k cf_]b[`k]h`chYfg`Vi hdUgg]b[`cZ`hY`k cf_]Ug`U`dYfgcb`g`]bX]j]Xi U`k cf_]7 c`i g]cb`U`gc
]bWi XYg`dfcj]X]b[`mci f`k cf_]hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi Y`XUHYž`cf`Zc`f`hY`di fdcgY`cZ`hY`a

- i bXYfghUbx'mci f'f][\hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dYW'X'cZYj Yfmcby']b'h'Y'I BGK 'Wca a i b]m
- 'cWJh'gYfj]W'g'UbX'j]bZcfa Uh'cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh'YgY'UfYUg'k]''VY'ZJa]]Uf'hc'mci ž'ch'Yfg'k]''VY'bYk "; U]b]b['U'gc'X'i bXYfghUbx]b['cZU''h'Y fY'UH'X'UgdYW'g'cZ9@-G9'k]''\Y'd'mci 'a U_Y'h'Y'a cgh'cZmci f'gh X]Yg'Uhl BGK ""

[\hhd.##ji V'YW'i \]XYg" \]VfUfm'i bgk "YXi "Ui #' \]gY#JVci h' \]gY](#)

5 WUXYa]WbZcfa Uhcb`

: cfYggYbh]U`ghi XYbh]bZcfa Uhcb`fY`Uh]b[`hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I B GK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcVWXi fYg/
- gdYW]U`Wc]bg]XYfUh]cb`]b`hY`Yj YbhcZ]`bYgg`cf`a]gUXj Ybhi fY/
- ghi XYbhYei]m]UbX`X]gUV`]m/
- UbX`chYfYggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

[\hfdg.##k k k "Ufng"i bkg "YXi "Ui #W ffYbh\]ghi XYbh\]bZcfa Uhcb`dfc\]Wc`g!\[i \]XY`\]bYg#](#)

⇒ U[Y`7 fYX]h

D\chc`VmC`UX]a Y^5^Y[V]Y`Zca `DYI Y`g

5WVYggYX`Uh [\hfdg.##k k k "dYI Y`g"Wca #d\chc`#/`UW!ga Ufd\cbY!' &\\$+\(\(&#](#)

7F ⇒ CG

7F ⇒ CG`Dfcj]XYf`7cXY. '\$\$\$- , ;