



ARTS2820

>i ghjVW

HYfa `H\`fYY`##`&\$%-

GWXcc`cZGcWJU`GWYbVWg`#`I BGK `5ftg`UbX`GcWJU`GWYbVWg

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`*`

Gi a a UfmcZ'h\Y'7ci fgY

>i ghW`]g Wcbg]XYfYX`Vma UbmidYcd`Y`tc`VY`h\Y`Zfghj`]fhi`Y`cZgcW]U`UbX`dc`]hWU`]ZY""6i hik`h\Uhi]g`↑gh]W3
5bX`ck`]g`]hfYU`]gYX`]b`dc`]hWU`dfUW]W3`H\Y`Wti`fgY`YI`Ua`]bYg`gca`Y`cZ'h\Y`"YUX]b[`h\Ycf]Yg`cZ`↑gh]W
]b`WcbhYa`dcfUfmidc`]hWU`h\ci`[`h\Ubx`h\Y]f`]a`d`]W]hcbg`Zcf`XYg][`b]b[`dc`]hWU`]bg]h`h]cbg`UbX`di`V`]W
dc`]W]Yg`"E`i`Yg]hcbg`]bWi`XY.`K`h\Uhi]g`U`Z]f`X]g]f]Vi`h]cb`cZgcW]Yh]g`fYgci`fWg3`G\ci`X`dUfYbHg`VY`Yb]hYX
tc`dUgg`cb`h\Y]f`k`YU`h`tc`h\Y]f`Wk`]XfYb3`G\ci`X`ci`f`di`V`]Wdc`]W]Yg`hfYUhi]j`YfmW]h]nYb`h\Y`gUa`Y`cf`fU`h\Yf
hU`_Y`]bhc`UW]ti`bh[`YbXYf`UbX`W`h`fU`X]ZYfYbW]g3`K`h\Uhi]g]YbgY`W]b`VY`a`UXY`cZ`]b]h]f[`YbYfU]h]cbU`

5ggYgga Ybh

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\h	8i Y`8UHŶ	Gh XYbh@YUfb]b[Ci hŶa Yg`5ggYggYX
9ggUm) \$i	&#/%&#\$%- `\$(. \$\$`DA	%ž&ž(
C b`]bY`HYgŶg`	` \$i	K YY_g`) / `-	`
Hi hcf]U`8]gW gg]cb`	&\$i	5WŶfX]b[`hc`k YY_`mhcd]W WcgYb	%

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh%`9ggUm

GHŶfhXUHŶ. `Bch5dd`]WŶV`Y

@Yb[h. `&\$\$\$`k cfXg

8YHJ]`g. `Mci `k]``gi Va]hU`&) \$\$`k cfX`fYgYUfW`YggUm`E i Ygh]cbg`UfY`gYhVmihY`Ŷci fgY`Ŷbj Ybcf`Mci k]``fYW`] Y`k f]hŶb`ZYXVUW`UbX`U`bi a Yf]WU`[fUXY`k]h]b`hŶb`k cf_]b[`XUm]`cZgi Va]gg]cb`H\Y`ZYXVUW`g\YYhfi Vf]Wk]``VY`Uj U]`UV`Y`hc`mci `UhŶY`ghUfhcZŶY`Ŷci fgY`gc`h.Uhmci `WU`b`k cf_`hc`k UfXg`gdYW]ZYX`ghU`bXUfXg`H\]g`]g`hY`Z]bU`UggYgga YbhZc`f`hY`Ŷci fgY`"

Hi fb]h]b`gYH]b[. H\]g`Ugg][ba Ybh]g`gi Va]hŶX`h.fci [\`Hi fb]h]b`UbX`gh XYbŶg`Xc`bchgYY`Hi fb]h]b`g]a]`Uf]mifYdcfŶg`"

5ggYgga Ybh&`C b`]bY`HYgŶg`

GHŶfhXUHŶ. `%ghE i]n. `k YY_) ž&bX`E i]n. `k YY_`-

8YHJ]`g. `Hk`c`cb`]bY`hŶgŶg`f`a i `h]d`Y`W`c]W`k cfh`&\$i` `YUW`]b]b`bXYX`hc`hfUW`_mci`f`Ŷa`dfY`Ybg]cb`cZ`fYei`]fYX`fYUX]b[`g`UbX`Y`W`i`fY`a`UHf]U`"F`Ygi`hŶg`cZ`hŶgŶg`UhŶc`bW`g]cb`cZ`hŶg`hdYf]cX`k`]h`Ŷc`fY`W`h`Ubgk`Yfg`UbX`hc`U`g`Ŷc`fY`"

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

D`YUgY`bcŶh`h.UhŶY`hY`k`Y][\`h]b[`]`] Yb`]b`hY`XgYgW]d]cb`UVcj`Y`cZ&\$i` `]g`Ub`Yffc`f`hŶg`ci`X`fYUX`%)`i`YUW`"K` \mbch`ghUa`YbX`hY`&\$i` `hc`%)`i` žmci`Ug_3`9j`Yf`fYUX`?`UZ`U3`"

Hi fb]h]b`gYH]b[. H\]g`]g`bchU`Hi fb]h]b`Ugg][ba Ybh

5ggYgga Ybh` .`Hi hcf]U`8]gW gg]cb

GHŶfhXUHŶ. `Bch5dd`]WŶV`Y

@Yb[h. `%\$`a`]bi`hŶg`cf`gc

8YHJ]`g. `Mci `k]``bca`]bUH`U`k`YY_`mh`hcf]U`hc]d]W`h.Uhmci`k`]``]b]fcXi`W`V`midfYdUf]b[`gca`Y`W]h]W]ga`cZ`"

hY`Ugg][bYX`fYUX]b[g`UbX`fU]g]b[`ei Ygh`cbg`Zc`f`WUgg`X]gW`gg]cb": YYXVUU`k]`VY`[]j` Yb`k]h]b`&k`YY_g`
cZdfYgYbHh]cb]b`hY`Zcfa`cZUb`UggYgga`Ybhfi`Vf]W`.....

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

hY`Zfghh`hcf]U`Zgh`XYbhg`k]`bca]bUH`U`k`YY`_mihcd]Wcb`k`\\]W`h`dfYgYbh`

Hi`fb]h]b`gYHh]b[.`H`]g`]g`bchU`Hi`fb]h]b`Ugg][`ba`Ybh`

5 hYbXUbW F Yei]fYa Ybhg

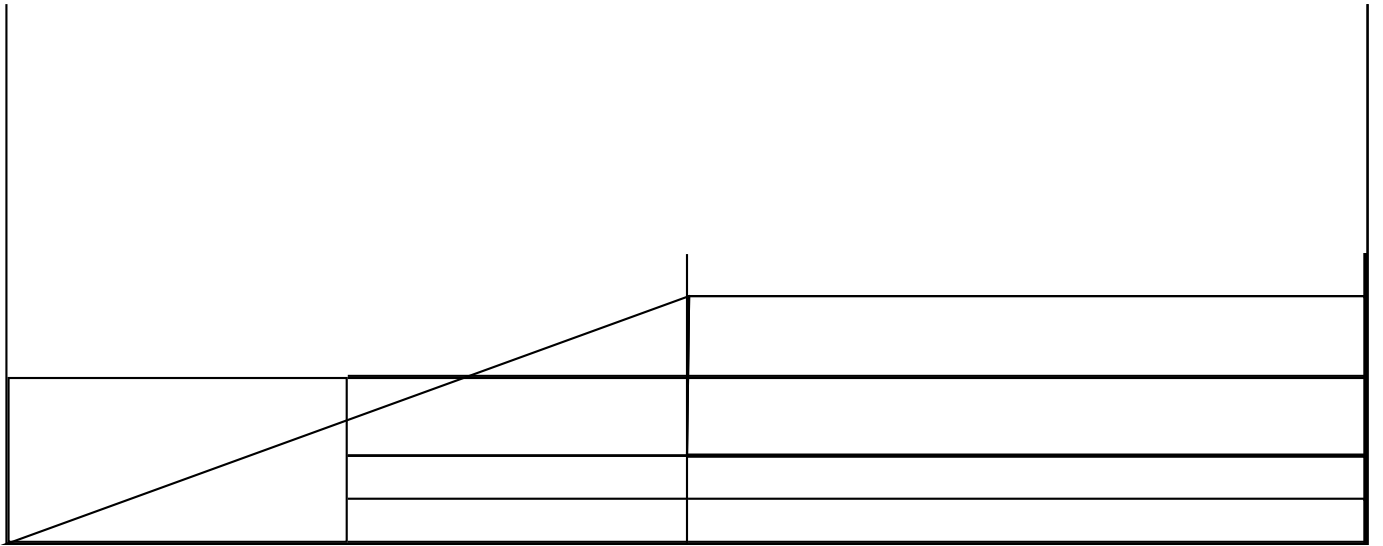
Gh XYbhg UFY ghfcbl mYbWci fU[YX'hc UHhYbX U''WUggYg UbX'fyj]Yk ''YWhi fy'fYWc fX]b[g"

7 ci fgY'GWXYXi `Y

[J \]Yk WUgg'ha YhUVY](#)

H]a YhUV`Y`

8UhY	HmdY	7cbhYbh
K YY_%`%*`GYdhYa VYf! &\$`GYdhYa VYf	@YWhi fy	÷hfcXi W]cb`!`K \Uh]g`>i gh]W3`5bX`>i gh]W`Zcf k \ca 3
	Hi hcf]U`	
	C b`]bY`5W]j]m	
K YY_&.`&`GYdhYa VYf! &+`GYdhYa VYf	@YWhi fy	÷h`hYfy`Ub`C V`][Uh]cb`hc`X]Y`Zcf`hY`ghU]Y`cf`hc`f]g_ cbYf]`]ZY`]b`]hg`XYZbW3
	Hi hcf]U`	
	C b`]bY`5W]j]m	
K YY_`."`\$`GYdhYa VYf! (`C WcVYf	@YWhi fy	7 Ub`\]ghcf]WU`]b↑ gh]Wg`VY`fYWh]ZYX3
	Hi hcf]U`	
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K YY_(`.+`C WcVYf!`%% C WcVYf		Di V`]W<c`]XUmi!`Bc`7`UggYg
K YY_)`.%(`C WcVYf!`% C WcVYf	@YWhi fy	<ck`g\ci`X`fYgci`fWg`VY`X]gh\$ %o



F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

? U\Yf]bY`Ga]hgž3bb*[* Y Ba ^f[US^FZWack, ;eegWe S` V 6WfSfWež&bX`YX]hcb"DU`[fUj Y`A UWa]`Ubž&\$%*"
.....

F YWca a YbXYX`F Ygci fWg

BchUj U]UV`Y

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

H\]g`]g`U`bYk`Wci fgY`UbX`]hg`XYj Y`cda Ybhk]`VYbY]hZca`mci f`Wcbgfi W]j Y`ZYXVUW`"Gh XYbh
Yj U`i Uh] Y`ZYXVUW`]g`[U\YfYX`dYf]cX]W]`mi g]b[žUa cb[`chYf`a YUbgžI BGK f]g`7ci fgY`UbX`HYUW]b[
9j U`i Uh]cb`UbX`a dfcj Ya YbhdfcWgg" `bZcfa U`ZYXVUW`UbX`WUgg![YbYfUHYX`ZYXVUW`UfY`U`gc
]a dcfU]bh`Gh XYbhZYXVUW`]g`hU`Yb`gYf]ci g`mž`UbX`]a dfcj Ya Ybhg`k]`VY`a UXY`hc`hY`Wci fgY`VUgYX`]b
dUfhcb`gi W`ZYXVUW`"G][b]Z]W]bhW]Ub[Yg`hc`hY`Wci fgY`k]`VY`Wca a i b]W]hYX`hc`gi VgYei YbhWc`cftg`cZ
gh XYbhg`hU_]b[`hY`Wci fgY`

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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

Ẓmci `YbWci bhYf`U`dfcV`Ya `k \Yb`U`H`Ya dh]b[`hc`gi Va]hmc`i f`Ugg][ba YbhHfci [\`Hi fb]h]bžd`YUgY
H`Yd\cbY`9I H`fbU`Gi ddcfhcb`-` ,) `` `` ` %cf`Ya U]`H`Ya `cb`YI H`fbU`H`hgi ddcfh4 i bgk "YXi "Ui ``Gi ddcfh
\ci fg`UfY` , .\$\$Ua `--`%\$. \$\$da `cb`k YY_XUmg`UbX`- . \$\$Ua `--`) . \$\$da `cb`k YY_YbXg`fI *) `XUmg`U`mYUfL` Ẓmci
UfY`i bUV`Y`hc`gi Va]hmc`i f`Ugg][ba YbhXi Y`hc`U`ZU`i`hik]H`Hi fb]h]b`mci `a UmiUdd`miZc`f`Ub`YI H`bg]cbžVi hmc`i
a i ghfYH]b`mci f`h]W`Yhbi a VYf`Zca `9I H`fbU`Gi ddcfhfU`cb[`k]H`Ubmch`Yf`fY`Yj UbhXcW a YbHgk`hc
]bWi XY`Ug`Yj]XYbW`hc`gi ddcfhmci f`YI H`bg]cb`Udd`]W]h]cb" Ẓmci `Ya U]`9I H`fbU`Gi ddcfhmci `k]`

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[Ygž`UfhUbX`XYg][b`dfc`YWgž`Ug`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'5WWhUv'Y'l 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'l BGK 'Wca a i b]m
- `cWWh'gYfj]W'g'UbX'j]bZcfa Uh]cb'UVci hl BGK 'UbX'l 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 cghcZmci f'gh X]Yg'Uhl BGK ""

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

