



ARTS2461

=bhYfa YX]UhY`7∖]bYgY`Zcf`6UW_[fci bX`GdYU_Yfg`5

HYfa 'C bY''##'&\$%-

7 ci fgY[·]Cj Yfj]Yk

`GHJZZ`7cbHJWh`8YHJ]`g`

'7cbj Ybcfg'

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
7\Yb[!K Y]K Ub[WXYb[!kY]"kUb[4 i bgk "YXi "Ui	-	A cfj Yb 6fck b &(\$	-',)`&,%)

°@Y₩nifYfg`

B Ua Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D∖cbY
7\Yb[!K Y] [.] K Ub[VXYb[!kY]"kUb[4 i bgk "YXi "Ui	,	A cfj Yb 6fck b &(\$	-',)`&,%)

"Hihcfg"

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
7\Yb[!K Y] [.] K Ub[VXYb[!kY]"kUb[4 i bgk "YXi "Ui	2	A cfj Yb 6fck b &(\$	-',)`&,%)

GWXcc`7cbHJWhri=bZcfaUh]cb

GWXcc``cZ<iaUb]h]Yg'UbX'@Ub[iU[Yg

@cWUh]cb.`GW&cc``CZ]WYžAcfjYb`6fckb`6i]`X]b[ž`@YjY``&ž&),

‰

‰

7ci fgY[·]8YHJ]`g

7 fYX]hDc]bhg^{·*·}

Gi a a UfmcZh\Y'7 ci fgY

GiVYWh5fYU.5Z[`WeWEfgV[We

$$\begin{split} & H \left[g'Wci fgY']g'Zcf'VUW_{[} fci bX'gdYU_Yfg'UhfkY'=bfk'fa YX]UfY'@Yj Y'''=fi]g'cdYb'fc'gfi XYbfg'k \c`\Uj Y'[fck b i d']b'U'ZJa]`mcf'Ybj]fcba Ybfk \YfY'A UbXUf]b'cf'Ubm7 \]bYgY'X]U'YWfg'\Uj Y'VYYb'i gYX']b'XU]`m g]h Uf]cbg''=fifYei]fYg'U'fYUgcbUV'Y'Yj Y``cZgdc_Yb'7 \]bYgY'UbX'U'k cf_]b['_bck `YX[Y'cZbc''Ygg'fkUb +) $'V&UfUWfy'fg''=b'fk]g'Wci fgYz'mci 'k]``]a dfcj Y'mci f'7 \]bYgY'g_]``g']b'fkY'UfYUg'cZgdYU_]b[z'`]gfYb]b['z' fYUX]b[z'UbX'k f]h]b['z'UbX'k f]h]b]hY hVci h Y'cdf]h]b['z'UbX'k f]h]b['z'UbX'k f]h]b]hY hVci h Y'cdf]h]b['z'UbX'k f]h]b['z'UbX'k f]h]b]hY hVci h Y'cdf]h]b['z'UbX'k f]h]b['z'UbX'k f]h]b]hY hVci h Y'cdf]h]b['z'UbX'k]f]hVb''h]b]h['z'UbX'k]f]hVb''h]b]hY hVci h Y'cdf]h]b['z'UbX'k]f]hVb''h]b]h['z'UbX'k]f]hVb''h]h]b]h['UbX'\][N'f]h]b['z'UbX'hC'h)hY hVci hY'hCdf]hVb''h]h]b]hY hVci hY'f]h]b['z'UbX'k]f]hVb''h]h]b]hY hVci hY'f]h]b['z'UbX'k]f]hVb''h]hVci hY'f]h]b['z'UbX'hC'h)h]hVci hY'f]h]hVci hY'f]hVb''h]h]b]hY'hVb''h]hVci hY'f]h]hVci hY'f]hVb''h]hVci hY'f]h]hVci hY'f]hVb''h]hVci hY'f]h]hVci hY'f]hVb''h]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]hVb''h]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]hVci hY'f]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]h]hVci hY'f]h$$

7cifgY`@YUfb]b[`CihWcaYg

%" I bXYfgHUbX'U'k]XY'fUb[Y'cZHYI hg'Zfca 'j Uf]ci g'gci fWYg'UbX'cb'U'j Uf]YhmcZhcd]Wg &" 7 ca dcgY'g\cfhYggUmg']b'7 \]bYgY'cb'U'[]j Yb'hcd]W ' " 5 Wéi]fY'Wca a i b]WUh]cb'g_]`gž'UbX']XYbh]ZmWca a i b]WUh]cb'ghm`Yg']b'7 \]bYgY (" 8 Va chadd HY'lbHYfa XXIIIHYLYI X)' hock XY[Y'c7]b[i]adW/YXLII]ci f*acWYhmUbX'W/Lib

("8Ya cbglfUHY`]bHYfa YX]UHY!`Yj Y``_bck `YX[Y`cZ`]b[i]gH]WVY\Uj]ci fž`gcW]YhmUbX`W``h fY`]b`7\]bYgY! gdYU_]b[%0 X ‰

5ggYgga Ybh

8YHJ]YX`]bgHfi Wf]cbg`cb`U```UggYgga YbhHUg_g`UfY`Uj U]`UV`Y`cb`A ccX`Y

5ggYgga YbhHUg_g

5ggYgga YbhHJg_	K Y][\h	8iY'8UHY	GhiXYbhi@YUfb]b[CihWcaYgʻ5ggYggYX
HYgh% [.]	&) ı	%" "A UfWX "]b "@YWhifY	%ž&ž(
C fU``dfYgYbłIJł]cb`	&) ı	K YY_`* / `K YY_`+	' Ž(
HYgh&	' \$1	%+`5df]`]b`@YW i fY	%ž&ž(
HYgh'	&\$1	%AUm]b`@YWhifY	%ž&ž(

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh'% 'HYgh'%

GhufhXUhY.Bch5dd`]WUV`Y

8YHU]`g. HYgh]b['j cWUVi `Ufmž[fUa a Ufža UghYfmicZk f]h]b['W.UfUWhYfg'UbX`k f]h]b['g_]``g'f@Yggcb'%! @Yggcb'' 'E YYXVUW_'UbX`Wca a Ybhg']b'hi hcf]U`g

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

5ggYgga Ybh& CfU`dfYgYbHJh]cb

GHJfhXUHY.Bch5dd`]WUV`Y

8YHJ]`g. `Ghi XYbhg`UfY`U``cWJHYX`]b`[fci dg`UhH\Y`gHJfhcZh\Y`gYa YgHYfž'UbX`YUW\`[fci d`dfYgYbhg`cb`Ub Ugg][bYX`hcd]W`C fU``ZYYXVUV<u>`</u>]b`WUgg

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

5ggYgga Ybh' . HYgh&

GhUfhXUhY. Bch5dd`]WUV`Y

8YhU]`g. 'HYgh]b['j cWUVi `Ufmž[fUa a Ufž'a UghYfmicZk f]h]b['W\UfUWhYfg'UbX'k f]h]b['g_]``g'f@Yggcb'('! @Yggcb'+Ł' YYXVUW_'UbX'Wca a Ybhg']b'h hcf]U`g'

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

5ggYgga Ybh(. HYgh'

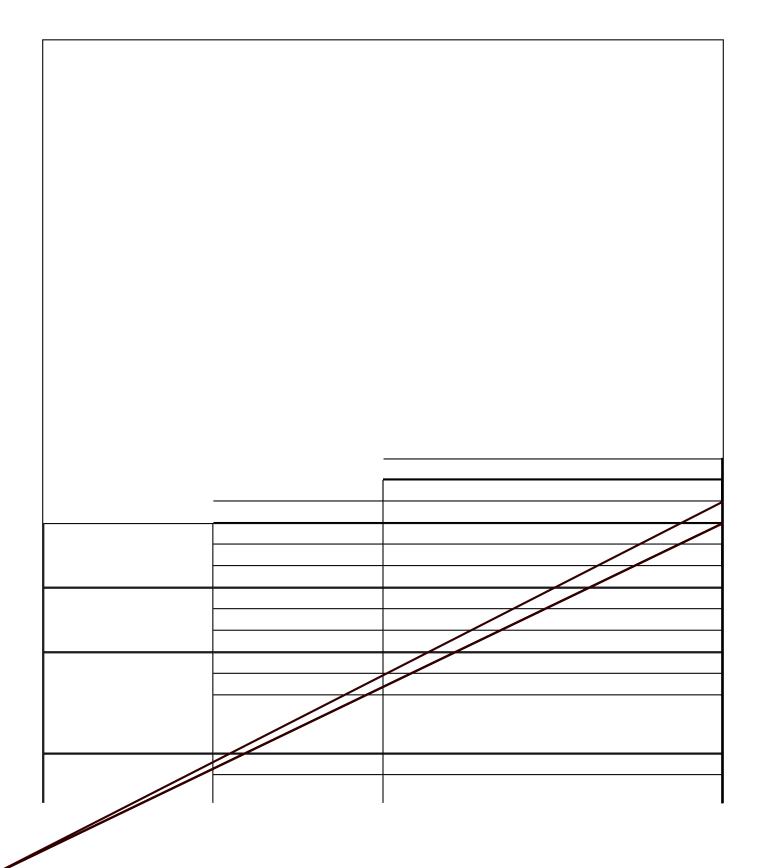
GhUfhXUhY.Bch5dd`]WUV`Y

8YHJ]`g. `H\]g`k]```VY`Ub`cb`]bY`HYgH`HYgH]b[`j cWUVi `Ufmž[fUa a Ufž'a UgHYfmcZkf]h]b[`W\UfUWHYfg`UbX kf]h]b[`g_]``g`f@Yggcb`, `!`@Yggcb`%&L: YYXVUW_`UbX`Wca a Ybhg`]b`h hcf]U`gH\]g`]g`H\Y`Z]bU``UggYgga YbhZcf UhhYbXUbWY di fdcgYg"

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

HYgh' 'k]```gh]```VY`U`dUdYf!VUgYX`hYghf]bghYUX`cZUb`cb`]bY`cbYŁ"`≢ik]```VY`\Y`X`Xi f]b['h\Y`fYgYei YbWYX @YWhi fY`cb`K YXbYgXUmK YY_'%%"

Hi fb]hjb`gYhjb[.`H\]g`]g`bchU`Hi fb]hjb`Ugg][ba Ybh



K YY_'%%`&- `5df]``!`%	5ggYgga Ybh	HYgh' '	`f&\$ı と
A Um			

FYgci fWfg

DfYgWf]VYX F Ygci fWfg

%" =bh/[fUh/X`7\]bYgYžJc`iaY`'ž(h\`9X"žHYIh/cc_`fDUdYfVUW_žG]ad`]Z]YX7`HfUX]h]cbU`Ł"`0~G6B. -+, %*&&- %%) *%Q

&"=bHY[fUHYX'7\]bYgYžJc`iaY`'ž(h\`9X"žKcf_Vcc_`fDUdYfVUW_žG]ad`]Z]YX7`HfUX]h]cbU`Ł"`0G6B. -+, %*&&- ‰)+, Q

FYWca a YbXYX⁻FYgci fWYg

5i X]c`fYWcfX]b[g`cZh\Y`hYI hVcc_`UbX`k cf_Vcc_žUj U]`UV`Y`cb`A ccX`Y"

%"`Ghfc_Y`CfXYf

"5 fWX "7 \]bYgY. '\hhd.#k k "UfWX WX]bYgY"Wca

MY``ck `6f]X[Y.`\hd.#k k "mY``ck Vf]X[Y"Wca #W]bYgY#W]bYgY!X]WjcbUfm'd\d

&"`7\]bYgY!9b[`]g\`8]W**j**cbUfm

A 86; . `\hd.#k k k "a XV["bYh#/\X]bX]\W#/\X]bX]\Wfd\d`fU`gc`U`[ccX`gci f\W^cZ`cc_i d`cZghfc_Y`cfXYfŁ

'"`7\]bYgY!7\]bYgY`8]WMjcbUfmifUXjUbWYXŁ

. `\hhd.∰ \")%) *YXi "Wca `

."\hhd.##kkk"nX]\\"bYhi

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

5j U]`UV`Y`cb'A ccX`Y

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

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

=Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhYa dhjb['hc'gi Va]hmci f'Ugg][ba YbhN fci [\ 'Hi fb]hjbž'd'YUgY hY'Yd\cbY'9I hYfbU'`Gi ddcfhcb'-',) '' ' %cf'Ya U]`'h\Ya 'cb'YI 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'" =Zmci UfY'i bUV'Y'hc'gi Va]hmci f'Ugg][ba YbhXi Y'hc'U'ZUi `hk]h\ 'Hi fb]hjb'mci 'a Um'Udd`mZcf'Ub'YI hYbg]cbž'Vi hmci a i ghfYhU]b'mci f'hjW_Yhbi a VYf'Zfca '9I hYfbU``Gi ddcfhfU`cb['k]h`Ubm'ch\Yf'fY`Yj UbhXcW a YbhgŁ'hc]bWi XY'Ug'Yj]XYbWi'hc'gi ddcfhimci f'YI hYbg]cb'Udd`]WUh]cb''`=Zmci 'Ya U]``9I hYfbU``Gi ddcfhimci 'k]``

5WUXYa]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"`=hWUb`hU_Y`a Ubm Zcfa gžZca `XY`]VYfUhY`W\YUh]b[`hc`UWW]XYbhU``mWcdm]b[`Zca `U`gci fWY`k]h\ci hUW_bck `YX[Ya Ybh'

IBGK [fcidg'd`U[]Uf]ga]bhc h\Y Zc``ck]b[WUhY[cf]Yg.

7 cdm]b[..i g]b[.ih,Y`gUa Y`cf`j Yfmig]a]`Uf`k cfXg`hc`h,Y`cf][]bU``hYI h`cf`]XYU`k]h\ci hUW_bck `YX[]b[`h\Y gci fWF`cf`i g]b[`ei chUh]cb`a Uf_g"`H\]g`U`gc`Udd`]Yg`hc`]a U[YgžUfhUbX`XYg][b`dfc´YWfgž'Ug`k Y```Ug dfYgYbhUh]cbg`k \YfY`gca YcbY`dfYgYbhg`Ubch\Yf*g`]XYUg`cf`k cfXg`k]h\ci hWfYX]h"

=bUddfcdf]UhY`dUfUd\fUg]b[..7\Ub[]b[`U`ZYk`k cfXg`UbX`d\fUgYg`k \]`Y`a cghmfYhU]b]b[`h\Y`cf][]bU` ghfi Whi fY`UbX#cf`dfc[fYgg]cb`cZ]XYUg`cZh\Y`cf][]bU`žUbX`]bZcfa Uh]cb`k]h\ci hUW_bck`YX[Ya Ybh`H\]g`U`gc Udd`]Yg`]b`dfYgYbhUh]cbg`k \YfY`gca YcbY`dUfUd\fUgYg`Ubch\Yf'g`]XYUg`cf`k cfXg`k]h\ci hWfYX]hUbX`hc d]YW]b[`hc[Yh\Yf`ei chYg`UbX`dUfUd\fUgYg`]bhc`U`bYk`k \c`Yžk]h\ci hUddfcdf]UhY`fYZYfYbW]b["

7 c``i g]cb. k cf_]b[k]h ch Yfg Vi hdUgg]b[cZth Y 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 Ubch Yf gh XYbhVYZcfY h Y Xi Y XUhYžcf Zcf'h Y di fdcgY cZh Ya

- i bXYfgHJbX'mci f`f][\hg`UbX'fYgdcbg]V]`]h]Yg`Ug`U`ghi XYbh'Uh'I BGK
- VY Uk UfY cZdU[]Uf]ga žWcdmf][\lbzi BGK Ghi XYbh7 cXY cZ7 cbXi Wh0bX 5WW/dhUVY I gY cZ I BGK '=7 H'F Ygci fW/g'Dc']Wh
- VY Uk UfY cZh Y gHUbXUfXg cZVY Uj]ci f YI dYWYX cZYj YfmcbY]b h Y I BGK Wca a i b]m
- `cWUHY`gYfj]WYg`UbX`]bZcfa UH]cb`UVci hI 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 bXYfgHJbX]b[`cZU``'h\Y fY`UhYX'UgdYWfg'cZ9@=G9'k]``\Y`d'mci 'a U_Y'h\Y'a cghcZmci f`ghi X]Yg'Uh'I BGK "' <u>\hhd.#gi VYWf[i]XYg'`]VfUfm'i bgk "YXi "Ui #Y`]qY#UVci hY`]qY</u>

5WUXYa]W=bZcfaUh]cb

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

- fYei Yghg Zcf Yl hYbg]cb/
- `UHY'gi Va]gg]cbg'[i]XY`]bYg/
- fYj]Yk 'cZa Uf_g/
- I BGK '<YU`h\ UbX'GUZYhmidc`]W}Yg/
- YI Ua]bUh]cb'dfcW/Xi fYg/
- gdYWJU`Wcbg]XYfUH]cb`]b`H\Y`YjYbhcZ]``bYgg`cf`a]gUXjYbH fY/
- gh XYbhYei]hmUbX`X]gUV]`]hm/
- UbX'ch\Yf'YggYbhJU``UWUXYa]W]bZcfa Uh]cbž'gYY

<u>htdg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbhgh XYbhg#UWUXYa]W]bZcfa Uh]cb#dfchcWc`g![i]XY`]bYg#</u>

∋a U[Y[·]7fYX]h

D\chc`Vm<u>>YffmK_Ub[</u>`cb`<u>|_bgd`Ug\</u>"

7F=7CG

7F=7CG'Dfcj]XYf'7cXY.'\$\$\$-,;