

ARTS3667

HYUWX]b['?cfYUb'Ug'U': cfY][b'@Ub[i U[Y

HYfa 'Hk c''##'&\$%

7ci fgY⁻Cj Yfj]Yk

'GhJZZ'7cbhJWh'8YhJ]`g'

'7cbj Ybcfg'

| B Ua Y | 9a U]` | 5j U]`UV]`]lm | @cWJhjcb | D\cbY |
|--|-------------------------|---------------|---|-------------|
| ;]! <mi b^g\]b<="" td=""><td>["g\]b4 i bgk "YXi "Ui</td><td></td><td>F cca "&\$& A cfj Yb"6fck b 6i]`X]b[</td><td>-',) '%+' %</td></mi> | ["g\]b4 i bgk "YXi "Ui | | F cca "&\$& A cfj Yb"6fck b 6i]`X]b[| -',) '%+' % |

GWXcc``7cbHJWhi±bZcfa Uh]cb

GW.cc``cZ<iaUb]h]Yg'UbX'@Ub[iU[Yg

@cWUhjcb. GWkcc CZJWY ZA cfj Yb 6fck b 6i] X]b[z @Yj Y 8 & Z &),

CdYb]b['< ci fg. 'A cbXUm! ': f]XUmž'- Ua '!') da

D\cbY. 'Ž*%'&'-',)'%*,%

: UI . Ž*%'&'-',) ', +\$)

9a U]`. \U`4 i bgk "YXi "Ui

7ci fgY'8YW]`g

7 fYX]hDc]bhg *

Gi a a UfmcZh\Y 7ci fgY

GiVYWh5fYU. =adWS` EfgV[We

9| d`cfYg`]ggi Yg`fY`Uh]b['hc'hYUWX]b['? cfYUb'Ug'U': cfY][b`@Ub[i U[Y"': cW gYg'cb``]b[i]gh]WUbX gcW]cW`hi fU``WcbhYbhUg'K Y```Ug'a Yh\cXc`c[]WU``UgdYWg'cZhYUVX]b['? cfYUb'Ug'U': cfY][b'@Ub[i U[Y"

7 ci fgY @YUfb]b[Ci hWca Yg

- $% \exists Ybh] ZmUbX`Udd`migdYW]U`]gYX`? cfYUb``Ub[iU[Y`hc`h\Y`hYUW\]b[`UbX``YUfb]b[`cZU`ZcfY][b'`Ub[iU[Y'hc'h\Y'hYUW\]b[`UbX``YUfb]b[`cZU`ZcfY][b'`Ub[iU[Y'hc'h\Y'hYUW\]b[`UbX``YUfb]b[`cZU`ZcfY][b'`Ub[`ubX``YUfb]b[`cZU`ZcfY][b'`UbX``YUfb]b[`cZU`ZcfY][b'`UbX``YUfb]b[`cZU`ZcfY][b'`UbX``YUfb]b[`cZU`ZcfY][b'`UbX``YUfb]b[`cZU`ZcfY][b'`UbX``YUfb]b[`ubX``Yufb]b[`u$
- &" 9I d`U]b`VUg]WWcbWYdhg`UbX`]ggi Yg`fY`Uh]b['hc'hYUWX]b['?cfYUb'Ug'U': cfY][b`@Ub[i U[Y
- ' " 7 f]h]WU``mfYZYWicb'dYfgcbU```YUfb]b['hc']XYbh]Zmh\Y'_bck `YX[Y'UbX'i bXYfghUbX]b['cZhYUW\]b[? cfYUb'Ug'U': cfY][b'@Ub[i U[Y
- (" ⇒XYbhJZmghfUhY[]Yg`]b`hYUW\]b["?cfYUb']b`U'ZcfY][b``Ub[i U[Y'WUggfcca
-) " = XYbh]ZmUbX`X]gWi gg`]ggi Yg`UbX`W\U``Yb[Yg`]b`hYUW\]b[`?cfYUb`Ug`U`:cfY][b`@Ub[i U[Y`]b 5i ghfU`]U

HYUW]b['GhfUhY[]Yg'

D`YUgY`fYZYf`hc`h\Y`]bZcfa Uh]cb`]b`A ccX`Y

5ggYgga Ybh

5ggYgga Ybh'HUg_g

| 5ggYgga Ybh'hUg_ | K Y][\h | 8i Y'8UHY | Gh XYbh@YUfb]b[Ci hWca Ygʻ5ggYggYX |
|---------------------------|---------|---------------|--|
| Ei]nnYg | (\$1 | Bch5dd`]WUV`Y | %ž& |
| DfYgYblUljcb ⁻ | ' \$1 | Bch5dd`]WUV`Y | ' <u>ž(</u> ž) |
| F YgYUfWX Dfc YWfi | ' \$1 | Bch5dd`]WUV`Y | ' <u>ž(</u> ž) |

5ggYgga Ybh'8YhJ]`g

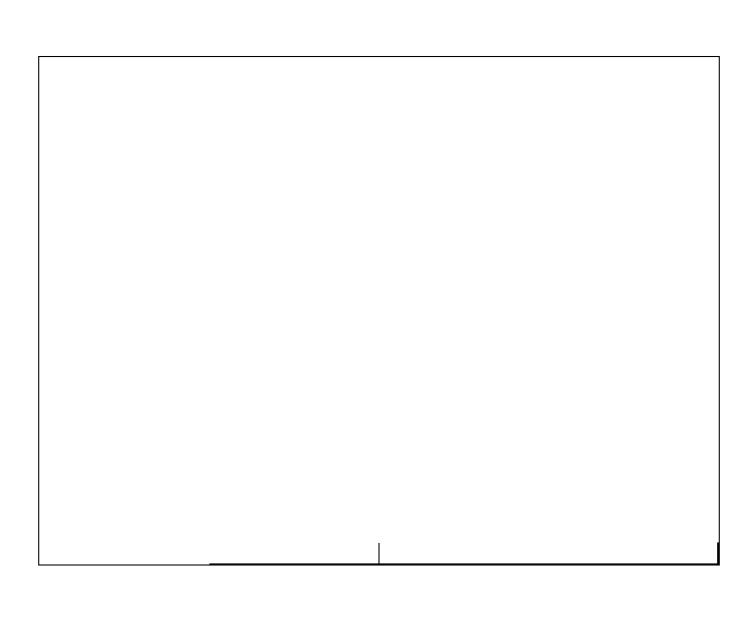
5ggYgga Ybh'% Ei]nnYg

GHJfhXUhY. Bch5dd`]WUV`Y

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

 $8\,i\,\,Y\,^*\!XUhY\,^*hc\,^*\!VY\,^*\!XYVV\!]\!\!XYX\,^*\!h\!\!\setminus\!\!fci\,\,[\,\,\backslash\,\,^*\!WUgg\,^*\!X]gW\!\!/\,gg]cb''$



FYgci fWfg

DfYgWf]VYX F Ygci fWYg

=b!\ci gY`fYUX]b['a UhYf]U`g`k]``VY`Uj U]`UV`Y`hc`ghi XYbhg

FYWca a YbXYX FYgci fWYg

 $G\ [3.7] \ bXYfghUbX]b[i@?cfYUbi@YUfbYfi9ffcfg. i8YgWf]dh]cbz9IdiUbUh]cbiUbXi=adi]WUh]cbg'' GYcii. Gchcb[i]$

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

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 Ybhh\fci [\ 'Hi fb]hJbž'd`YUgY
hY`Yd\cbY'9| hYfbU``Gi ddcfhcb'-',) '' ' ' %cf'Ya U]`'h\Ya 'cb'Y! 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'mYUft'' \(\frac{1}{2}\)mci
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'Y! hYbg]cbžVi hmci
a i ghfYhU]b'mci f'hJW_Yhbi a VYf'Zfca '9! hYfbU`'Gi ddcfhfU'cb['k]h\'Ubmch\Yf'fY'Yj UbhXcW a Ybhgt'hc
]bWi XY'Ug'Yj]XYbW'hc'gi ddcfhmci f'Y! hYbg]cb'Udd']\(\frac{1}{2}\)mci 'Ya U]`'9! hYfbU`'Gi ddcfhmci 'k]``

5 WUXYa | W < cbYghmUbX D`U[| Uf]ga

D`U[]Uf]ga i]gii g]b[ih\Yik cfXgicfi]XYUgicZch\YfgiUbXidfYgYbh]b[ih\Ya iUgimci fick b"i±iWUbihU_Yia Ubm Zcfa qžZfca iXYi]VYfUhYiW\YUh|b[ihciUVW]XYbhU`mWcdm]b[iZfca iUiqci fWYik]h\ci hiUW_bck iYX[Ya Ybh'i

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

7 cdm]b[.'i g]b['h\Y'gUa Y'cf'j Yfmg]a]`Uf'k cfXg'hc'h\Y'cf][]bU`hYl h'cf']XYU'k]h\ci h'UW_bck `YX[]b['h\Y gci fW'cf'i g]b['ei chUh]cb'a Uf_g"'H\]g'U`gc'Udd`]Yg'hc']a U[Ygž'Ufh'UbX'XYg][b'dfcYWhgž'Ug'k Y``'Ug dfYgYbhUh]cbg'k\YfY'gca YcbY'dfYgYbhg'Ubch\Yf'g']XYUg'cf'k cfXg'k]h\ci h'WfYX]h'

⇒ Uddfcdf]UhY 'dUfUd\fUg]b[...7\Ub[]b['U'ZYk 'k cfXg'UbX'd\fUgYg'k \]'Y 'a cghmfYhJ]b]b['h\Y'cf][]bU` ghfi Wh 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]th 'cth Yfg'Vi hidUgg]b['cZZth 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_'thc'Ubcth Yf'ghi XYbh'VYZcfY'th Y'Xi Y'XUHYZcf'Zcf'th Y'di fdcgY'cZth Ya

- i bXYfglUbX`mci f`f][\hg`UbX`fYgdcbg]V]`]h]Yg`Ug`U`gh XYbh'Uhi BGK
- VY'Uk UfY'cZd`U[]Uf]ga ž'Wcdmf][\hzil BGK 'Gh XYbh7cXY'cZ7cbXi WhUbX'5WWdhUV`Y'I gY'cZ I BGK '= H'F Ygci fWfg'Dc`]Wh
- VY 'Uk UfY 'cZh\Y 'ghUbXUfXg 'cZVY\Uj]ci f'Yl dYWhYX 'cZYj YfmcbY ']b 'h\Y 'l BGK 'Wcaaib]hm
- `cWUHY 'gYfj]WYg'UbX `]bZcfa UH]cb'UVci hI BGK 'UbX'I BGK '@]VfUfm

5 WUXYa]W = DZcfa Uhjcb

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

fYei YghgʻZcfʻYl hYbg]cb/ `UhYʻgi Va]gg]cbgʻ[i]XY`]bYg/ fYj]Yk ʻcZa Uf_g/ I BGK ʻ< YUʻh\ 'UbXʻGUZYhmdc`]WJYg/