

ARTS2755

; `cVU``8Yj Y`cda Ybh']b'DfUWf]\\\. '7 cb\\\\dhg'\UbX'\Df\U\\f\]\\\g Zcf' \pm \\\in g]j Y'8Yj Y`cda Ybh

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- %" 9I d`U]b`UbX`Wf]h]WU``mUbU`mqY`WcfY`UddfcUW\Yq`]b`; `cVU``8YjY`cda YbhdfUWf\WY
- &" 7 ca a i b]\WUHYzigc`j Y`dfcV`Ya g`UbX`bY[cH]UHY`dfcXi Wfj Y`miUbX`YZZYWfj Y`mik]h\`U`X]j YfgY`gYhcZ UWfcfg`]b`; `cVU``8Yj Y`cda Ybh
- '" → XYbrjZmrN Y 'UWcfgž']brYfYgrg 'UbX']XYUg'rN UnYbUV'Y 'UbX'WcbgrfU]b']bWig]j Y'XYj Y`cda Ybh

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H\]g`Wci fgY'g`HYUW\]b[`ghfUHY[]Yg`UbX`fUh]cbU`Y`UfY`VUgYX`cb`mci `Vf]b[]b[`mci f`df]cf``YUfb]b[`hc`h\Y WUggfcca `UbX`Yb[U[]b[`]b`H\Ua k cf_`]b`H\Y`Wc!Wcbghfi Wh]cb`cZ_bck `YX[Y"'H\]g`fYd`]WUhYg`fYgYUfW\`UbX dfUWhWiYbj]fcba Ybhg`]b`BYj Y`cda YbhGhi X]Ygžk\]W\]g']bHYf!X]gW]d`]bUfmUbX`YI d`]Whm]bWi XYg`a i `h]d`Y j c]WYg`hc`dfcXi WY`UWh]cbUV`Y`_bck `YX[Yfg\t"H\]g`Wci fgY`]bWi XYg`cb`]bY`UbX`ZUWY!hc!ZUW`Wca dcbYbhg" @YWhi fYg`UfY`]bHYfUWh]j Y`UbX`]bWi XY`[fci d`k cf_ž]bX]j]Xi U``fYZYWh]cbžUbX`Wf]h]WU``fYZYWh]cb`cb`WcbHYbh' Hi hcf]U`g`dfcj]XY`Ub`cddcfhi b]hmhc`fYZ]bY`mci f`i bXYfgHUbX]b[`cZ_Ym]ggi Yg`UbX`WcbWYdhg"`H\YfY`k]``VY

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8 i Y XUhYgʻcZh\YʻUggYgga YbhgʻWUbʻVYʻZci bXʻ]bʻA ccX`Y"

D`YUgY`Wcbgi `h`A ccX`Y`Zcf`Z ff\Yf`]bZcfa Uh]cb`UVci hih\Y`UggYgga Ybhgž`Ug`k Y```Ug`fYgci fWYg"

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7 f]h]wu``Yj U`i Uh]cb`cZU wa a cb`hcc`#JddfcUW. hc]bWi g]j Y`XYj Y`cda Ybh	(\$1	Bch5dd`]WUV`Y	%ž''
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Gh XYbhg`k]``fYWY]jYkf]hhYb`ZYYXVUW_`UbX`U`a Uf_YX`fi Vf]Wk]h\]b`hYb`XUmg`cZgi Va]gg]cb"`H\Y`fi Vf]Wk]``VY`Uj U]`UV`Y`Uhih\Y`ghUfhcZhYfa `hc`U``ck `gh XYbhg`hc`k cf_`hck UfXg`WYUf`m`Wca a i b]WUhYX`ghUbXUfXg"

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8 i Y XUhYg cZh\Y UggYgga Ybhg WUb VY Zci bX]b A ccX`Y"

D`YUgY`Wcbgi`h'AccX`Y`Zcf`Zfh\Yf`]bZcfaUh]cb`UVcihih\Y`UggYggaYbhgž`Ug`kY```Ug`fYgcifWYg"

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 $\label{thm:continuous} \begin{tabular}{ll} Hi & fb & fb & gYM &$

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Ghi XYbhgʻgi Va]hUʻ&ž) \$\$!' ž\$\$\$`k cfX`YggUmʻUbU`mg]b['h\Y`dchYbh]U``YZZYWfj YbYggʻfcf`bchŁcZX]ZZYfYbh UddfcUW\YgʻhcʻUW\]Yj Y`]bWi g]j Y`XYj Y`cda Ybh`]bʻh\UhWcbhYl h'`

Ghi XYbhgʻk]``fYWY]j Y`k f]hhYbʻZYYXVUW_'UbX`Uʻa Uf_YX`fi Vf]Wk]h\]b`hYb`XUmgʻcZgi Va]gg]cb"'H\Y`fi Vf]Wk]``VY`Uj U]`UV`Y`Uhh\Y`ghUfhcZhYfa 'hc`U``ck 'ghi XYbhg`hc`k cf_'hck UfXg`WYUf`mWca a i b]WUhYX`ghUbXUfXg"'H\]g]g`h\Y`Z]bU``UggYgga YbhZcf`h\Y`Wci fgY"

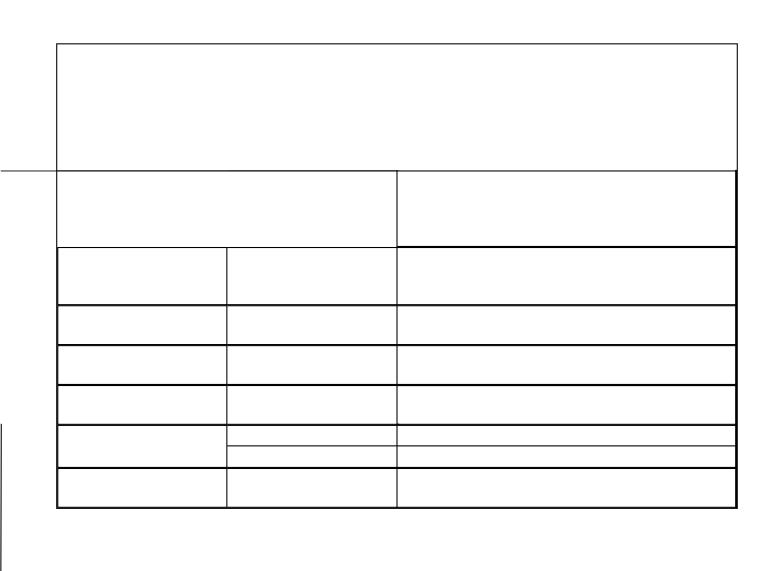
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8 i Y XUhYg cZh\Y UggYgga Ybhg WUb VY Zci bX]b A ccX`Y"

D'YUgY'Wcbgi 'hA ccX'Y'Zcf'Z ff\Yf']bZcfa UhJcb'UVci hh\Y'UggYgga Ybhgž'Ug'k Y```Ug'fYgci fWYg"

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 $\label{thm:continuous} \begin{tabular}{ll} Hi & fb & fb & gYM &$



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FYWca a YbXYX FYgci fWYg

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a i ghfYhJ]b'mci f'h]W_Yhbi a VYf'Zfca '9! hy'fbU''Gi ddcfhfU'cb['k]h\ 'Ubmch\Yf'fy'Yj UbhXcW a Ybhgt'hc
]bWi XY'Ug'Yj]XYbW' 'hc'gi ddcfhmci f'Y! hy'bg]cb'Udd']WUh]cb"'=Zmci 'Ya U]''9! hy'fbU''Gi ddcfhmci 'k]'`
Ui hca Uh]WJ'`mfYW']j Y'U'h]W_Yhbi a VYfZ'Vi h]Zmci 'hY'Yd\cbY'mci 'k]``bYYX'hc'gdYW]Z]WJ'`mUg_'Zcf'cbY''
Hi fb]h]b'U'gc'dfcj]XYg'i dXUhy'g'cb'h\Y]f'gmghYa 'ghUh' g'cb'Hk]hyf''

; YbYfU`mž'UggYgga YbhiHug_g'a i ghVY'gi Va]hhYX'Y`YVWfcb]\WJ``mij]U'Y]h\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ba Ybh''=b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk]```VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k]h\U`hYfbUh]j Y'gi Va]gg]cb'XYHJ]`g"

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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=hWJbihU_Yia Ubm Zcfa gžZfca iXYi]VYfUhYiWXYUh]b[ihciUWW]XYbhU`mWcdm]b[iZfca iUigci fWYik]h\ci hiUW_bck iYX[Ya Ybh'

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

• i bXYfgHJbX'mci f'f][\hg'UbX'fYgdcbg]V]`]h]Yg'Ug'U'gh XYbh'Uhil BGK