

ARTS2021

7 fYUhjj Y'K f]hjb['DfcYWh

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

7 ci fgY Cj Yfj]Yk GHJZZ 7 cbHJWh 8 YHJ] g

7ci fgY⁻8YHJ]`g

7fYX]hDc]bhg**

Gi a a UfmcZh\Y 7ci fgY

 $\label{thm:condition} $$H\g^k\cf_g\cd!VUgYX`WcifgY`[]jYg`mci'h\Y`cddcfhib]mhc`XYjY`cd`U`aU'cf`WfYUhjjY`k\cf_`]b`Z]Whjcbž$

5ggYgga Ybh

5ggYgga Ybh' . A U'cf K cf_

8 YW] g.

₽X]|]Xi U`

') \$\$ k cfXg hchU`

A U'cf'k cf_'cZdfcgY'fl \$\$\$'k cfXgŁ'CF 'U'gWf]dhft%) 'dU[YgŁz'XY] Y`cdYX'Zfca 'h\Y'dfcdcgU`"'

H\]g`Ugg][ba YbhitUg_`Wa df]gYg`tk c`Wa dcbYbtg.`ff\&`U`a U\afik cf_`cZdfcgY`fl \$\$\$`k cfXg\CF `U`g\f]dhftcZ %) `dU[Yg\z\XYj Y`cdYX`\Z\afa 't\\Y`dfcdcgU`"`H\]g`Wa dcbYbh]g`k cft\`() | `5B8`f\\\U') \$\$!k cfX`\Z\afa U`]bXi ghfmgdY\\\Z\WghUhYa Ybhcf`d]h\\X\afa dfYgYbh]b[`t\\Y`k cf_`tc`U`dfcgdY\\\]j Y`YX]tcf"`H\]g`\\afa dcbYbh]g`k cft\\%\$I "`

: YYXVUW_'j]U'@A G

Hi fb]h]b gYh]b[. `H\]g Ugg][ba Ybh]g gi Va]hhYX h\fci [\`Hi fb]h]b UbX gh XYbhg Xc bchgYY Hi fb]h]b g]a]`Uf]hmfYdcfhg"

Fygci fWyg

DfYgWf]VYX F Ygci fWYg

5j U]`UV`Y¨j]U¨A ccX`Y

FYWca a YbXYX FYgci fWYg

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

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

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

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

#mci 'YbWci bhYf'U'dfcV'Ya 'k \Yb'UthYa dhJb['tc'gi Va]hmci f'Ugg][ba Ybht\fci [\'Hi fb]hJbž'd'YUgY
hY'Yd\cbY'9| hYfbU'Gi ddcfhcb'-',) '''' %cf'Ya U]''h\Ya 'cb'Yl 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\"'#c'i'#c'i'
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'm\Zcf'Ub'Yl hYbg]cb\ZVi hmci
a i ghfYhU]b'mci f'hJ\W_Yhbi a VYf'\Zfca '9| hYfbU''Gi ddcfhfU'cb['k]h\ 'Ubmch\Yf'fY'Yj UbhXcW a Ybhgthc
]bWi XY'Ug'Yj]XYbW''hc'gi ddcfhmci f'Yl hYbg]cb'Udd']\WUh]cb'''#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=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

5WUXYa]W±bZcfaUhjcb

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

• fYei Yghg Zcf Yl hYbg]cb/