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 (P=0>A JI 0 A =NCNKI | QQQ 0 @KG?JH
 4?N>AL 3JPAH>AL" fV fti "9JGL" 3J ž "KK fififi" ,fififi
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~6A?ADPA@&"91 "~~, °"i f(??AKNA@&L 9. 978"/~ , °"i

9@NNT@KCCF CDKIDOX RKRD L CD@RVHSG SED CCF CDKIDOX S3NTFG SED G@C JDC@SHAWDC M@HKOK@SD) HEDONVS SNOHB@K M@HK ENQ TK@SHNRKID K@EPTDOR
 DM@L DK @VC U@QMG @CD TRDC ENQBNRL DSB OT@NFOR9GDY RQUD SN CQNSDES SED M@HKOK@SD ATS @RN AD@TSHX @VC HL O@S @SG@BSHD ENKOR .MOODFONVS REHDV@S @VC
 CHEDONVS O@RD@0EDOR@D V NCHU@ SN SD@SCHEDONVS M@HKCHD@RDRKID NIXENL XENRR M@HKORNB@RR XDKM M@HKRM@DL D' O@QNVB@3 @HRCHN@DOR@DL @HUK CTD
 SN ETN@K@H@EBSHUMV GDMCCF HRFHIDV@S@NTFG N@K RKRD L HB QNTSD' ONSDV@X NE CCF FDSRCDE@RDC @SSD RSD NE @BSHUM9N @JNC S@HRKRD NE CCF ONSDV@X SNOHB@K

BNL ONRSHMINE SED GTL @MIM@HK HR CHEEDVMS EONL NSEDOANCX
L DLAC@VDR 9GD OK@S" BNMHSNEJDC@SHL NOBTORVISGL @VX
CHRTOGED KHM@FDR@VC KMV @RNE@SDC K@C K@LDK' CNDRMIS
ODFLAKD @VX NSEDO ANCX L DLAC@VDR HM ISR A@CDDQ
OOODS@DRZ ~

9GD GTL @MIM@HRBNL ONRD NE ENK@VHMV O@CR
fi~ 3@K@L @SDMVNOSED Q@NS NE SED M@HK SED ONRSDONONO
Q@MWH @K O@S NE SED M@HK VGHG K@DR ADV@SG @ ENK NE SED
RHMV

fi~ *ONMVBGHL NO B@S@B@D

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Ž ~ 1DTBNXBG@ @ GSD FONSRNOKHUR@OOD@CRNANNO NQL NO
MHR@MC FQW NTSFONV@VNTNRX~ .SL @X AD B@TRDC AX SHX
ATAANDRNE @QSS@S@D S@OOCDC HVS@D M@HKOK@S K@XDCR CTD
SN S@TL @ 9GRBNM@SHML @X AD @OOCIS@X @MC SD@S L DMSHR
OPTH@DC @RSED FONSRVHKFQW NTSVHSG SED M@HKOK@S

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fi - XCQNOGHEBSK KONOCHHEBSK NE CHETRNFI L NOBTKO
1HONOCHHEB L NOBTOR ODQ D@SDR @EONR SED M@KAX SED L D@NR
NE KOHE O@SV @X' .N@D@RNA KONOCHHEBSK KONOCHHEBSK ODRISRHM
H@B@FDC ODQ D@SNM< GDM@M@PTDNRENOQ TK@SNMHR TRDC%
M@HR R/DK@R V@SDQHR S@JDMTO H@SN SED M@KOK@SDRAX SGR
SED JDC@SNMNS/NQI DMD@M@R VGHG K@CR SN SED ENQ @SNMNE
K@CF DQONDR S@NTFG VGHG CHETRNFI L NOBTOR B@MODQ D@SD
L NOD D@RHKfifi'

l' 3 @STOD NE LDGHB

3 @STOD NE LDGHB @RN OK@R @MHLONS@S QND NM SED
S@NONS NE CCF S@NTFG M@KOK@S' < @SDGXC@SDR SED M@K
OK@S VGHG BNVDPTDN@X R/DKR (N@R@D@NF SED M@KOK@S SN
AD @GXC@F DK R/DK@NF ODRISRHM/H@B@FDC CHS@ND ADS/DDM
SED JDC@SNM@D@R' K@CF DQ ONDR S@NTFG VGHG ODQ D@SNFI
L NOBTOR B@MCHET@D @VC @DND' H@B@FDC ODQ D@SNMNE
SED L NOBTOR 7DOK@H@NF V@SDQ VHS @ M@MON@Q R@K@D@S
VGHG CNDR M@S GXC@S SED M@K HR SED@END D@D@B@S@C SN
OCTED CCF ODQ D@SNM@N SED M@KOK@S@F@L'

f' O- NE LDGHB @VC R@K@S@D B@CF@D

.S@D@L R@S@S@S@D O- NE SED ENQ TK@SNM@G@R @CHS@NS DE@ES@NM
CCF ODQ D@SNM S@NTFG SED M@KOK@S' 9@D O- NE @PTDNTR
ENQ TK@SNM@R @E@ES SED H@N@R@SNM NE V@D@J@X @B@H@A@R@B
CCFR' VGHG H@M@SQM H@K@D@N@D@R SED CCF@R GXCQNOGHEBSK |
GXCQNOGVAH@S@K' R@K@H@S@K H@V@S@D CCF ENQ TK@SNM R@K@H@S@K H@M
SED M@K OK@S @VC H@R H@D@B@SNM@R VHS SED JDC@SNM@L @SQM
: N@B@CF DC R@D@B@R ODQ D@SD SN @ F@D@S@D@D@S@NS B@NL O@DC
SN B@CF DC N@D@R@F@I'

2 D@S@N@C@R@E@N@D@M@B@H@NF M@K@O@D@N@S@SNM

*E@B@S@H@D O@D@N@S@SNM@B@O@N@R@S@D M@K@H@R@M@S@R@D@R@X @R@S@D M@K
B@N@R@S NE @O@Q@M@L @S@X@ F@Z K@X@D@R NE S@F@S@X AN@T@V@
JDC@SNM@D@C E@K@R' @VC H@R F@V/ , EN@C S@H@B@D@Q S@M@S@D R@S@ST@L
B@N@D@T@L .S H@B@D@F@R H@M@S@N@D M@K S@H@B@N@D@R @K@NF SED M@K
5G@R@B@K B@D@L H@B@K @VC L D@B@C@V@B@K@L D@S@N@C@R G@L@D A@D@M@T@R@C
SN C@B@D@F@D R@S@D@N@S@G NE SED M@K@A@C@B@D@Q

fi' 5G@R@B@K@L D@S@N@C@R@SN D@M@B@D M@K@O@D@N@S@SNM

5G@R@B@K ODQ D@SNM D@M@B@D@L D@S L @X AD R@D@D@M@Q SN
B@D@L H@B@K L D@S@N@C@R H@M C@K@H@D@NF GXCQNOGHEB @VC
L @B@Q@L NOBT@Q @F@D@N@R < D CH@B@T@R R@L@D@C@K O@G@R@B@K
D@M@B@D@L D@S@L D@S@N@C@R AN@S@D R@S@A@K@R@D@C @VC D@V@D@Q@L D@S@K
fifi .N@S@NOG@D@R@R

.N@S@NOG@D@R@R H@M@K@D@R@S@D T@D NE D@B@S@B@B E@B@K EN@S@D C@K@H@D@X
NE @B@NL ON@T@M@ @B@O@N@R@ @L@D@L@A@C@N@D' & R@B@NL O@DC SN O@R@R@H@D
S@N@ONS CCF CHETRNMS@NTFG SED GXC@S@C JDC@SNM NE @

M@K HR D@M@B@D@C A@X@H@M@S@NOG@D@R@R (N@L O@DC SN O@R@R@H@D
S@N@ONS' .N@S@NOG@D@R@R R@H@M@B@S@X D@M@B@D@C CCF
O@D@N@S@SNM S@NTFG SED M@K 9@HR HR C@T@D SN D@B@S@N
O@D@T@K@H@M@D@B@S@N@O@G@D@R@R H@S@D@B@SNM ADS/DDM SED D@B@S@B@B
E@B@K @VC SED B@C@F@D NE SED H@N@B ODQ D@N@S@D@B@S@N N@L N@R@
B@N@V@D@B@H@D R@K@D@S B@M H@M@O@D@M@V@S@NF @VC M@V@K@ B@D@S@C
B@C@F@D O@S@V@X@R@% @VC ODQ D@A@H@Y@SNM D@B@S@N@O@SNM
D@B@S@B@B E@B@K H@C@T@E@D@C ON@D H@C@T@E@S@M@M@Z'

fifi *S@H@NF

.S H@K@T@C@D@R D@V@N@R@T@D VHS R@C@E@D@L N@C@H@NF B@D@L H@B@K 'D@F'
O@G@N@O@G@N@B @B@C'' O@R@T@S@NF H@M ENQ @SNM NE O@Q@E@T@D
L H@B@N@O@N@B@S@D@R 9@D@D@L H@B@N ON@Q@R@S@D@R H@B@D@F@D V@D@S@A@H@S@K
@VC R@C@E@D @D@ @VC C@B@D@F@D B@N@S@B@S @V@K@D' +T@S@D@L N@D
O@D@R@N@D@R NE L H@B@N ON@Q@R@S@D@R O@Q@L N@S@D@R H@S@D@D@N@S@SNM@VC
A@N@V@C@NF NE @O@N@K@L D@B@C@K@H@D@X R@R@S@D@L @VC S@G@T@R@E@H@S@S@D NE
H@S@D@C@H@E@T@R@M@N@E @S@D@C@O@D@T@S@B @F@D@N@S' & E@S@D@D@S@E@H@NF NE M@K
OK@S @ R@T@R@H@D@C@D@K@F@D' GXCQNOGHEB' ON@K@L D@ E@H@L CCF
C@K@H@D@X R@R@S@D@L L @X AD @O@K@D@C@F@Z'

fifi' (@@N@M@C@H@M@V@E@D K@F@D@Q

.S R@M@R@T@M@O@D@C@H@S@A@K@D O@F@O@N@D' I@S L @X AD ON@R@S@H@D' 9@D@D
@D@S@N@L D@S@N@C@R@M@D@ HR @U@T@R@M@N@E SED @E@D@B@D@C M@K@O@N@S@H@M
B@N@K@V@D@C A@X K@F@D@Q S@D@S@L D@N@S @S Z'///< | B@L@F@I' ON@V@D@Q
C@D@N@S@K'' .M@S@H@R V@X@ T@M@O@D@X@NF S@R@T@D@R D@V@N@D@C SN C@H@E@S
K@F@D@Q S@D@C@O@X' & M@S@E@D@L D@S@N@C@R H@M@K@D@R O@D@N@S@SNM SED M@K
OK@S VHS (4 f@i K@F@D@Q A@D@L B@N@K@V@D@C VHS C@H@K S@N@O@B@K
@V@S@H@T@NF @K S@D@S@L D@N@S' O@D@N@S@SNM K@F@D@Q H@C@T@E@D@C O@T@N@S@T@D
C@N@O@F@I' .

fi1 - XC@SNM@VC N@B@K@R@H@M

) H@E@T@R@H@S@K NE V@SDQ @VC CCFR H@B@D@F@D@R @R@G@L @M@R@H@M
A@D@B@NL D@R@L N@D GXC@S@C' @VC M@K@R@A@D@B@L D@L N@D D@K@R@B@ @VC
ODQ D@A@K@D' .S L @X K@C@R@ SN H@B@D@F@D SED ON@D R@Y@D NE M@K
L @SQM D@M@B@H@NF S@N@V@N@T@K@O@D@N@S@SNM B@N@T@S@H@M@O- @VC
H@N@B@R@S@D@N@S@G G@L@D C@L N@V@S@D@C M@I R@H@M@B@S@D@E@B@S@N@M@K
GXC@S@NF'' .

fi' 2 H@B@N@D@D@C@D

9@HR L D@S@N@C@R H@M@K@D@R@T@D@ NE @O@X@R@ NE L H@B@N@F@E@N@B@ N@D@C@K@R@ SN
N@D@M@O@N@D@R H@M SED R@S@ST@L B@N@D@T@L C@H@E@S@K SN SED R@H@M
B@O@H@K@O@D@R .S G@R SED @C@U@N@S@F@D NE A@D@NF S@N R@E@N@S@ SN
R@H@ T@K@S@D SED O@H@V@E@A@D@R' @VC E@B@H@S@S@D CCF ODQ D@SNM
fi' (C@D@L H@B@K@L D@S@N@C@R@SN D@M@B@D M@K@O@D@N@S@SNM

(C@D@L H@B@K@K'' CCF ODQ D@SNM H@SN SED M@K OK@S B@M@I@A@D
@R@R@R@D@C A@X A@D@H@NF SED O@G@R@B@K @VC B@D@L H@B@K A@N@V@C
O@F@O@N@V@A@K@D EN@S@D R@S@A@H@S@K NE M@K@J@D@C@SN@I@9@HR C@D@R@S@A@H@Y@D@R

SED JDC@SHM HSDCDD SED HSDCQK NE SED M@H.A@DDO @VC
 @KW ODND@SHMNE CCF L NOBTORfi#
 fi fi (NL ONTMOREBNM@SHM RTGKCOXK FQNTOR
 (NL ONTMOR VGHG BNM@SHM RTGKCOXK '8- ° FQNTOR RTGK
 @R@EDSK@RSDHND" BKSDHND" L DDB@OSND@NIK B@MODCTED" SGTR
 BD@LD SED CRTKOGED ANNCRHM@HKO@SDHMFV ~
 fi fi ODC@SHMKSBDNV@VDCR
 ODC@SHMKSBD @F DNR 'O@O@HMITOD@' @VC R@H@H@B@B@C" L @X AD
 TRDC SN HL OQND ODND@SHMNE @SHM@K CCFR QCDR @D
 RCOONDC SN @BS AX CRTKOSHMINE JDC@SHM CRTKOGED ANNCR
 @VC SED @RNB@SDC ENL @SHMINE ONDR S@S OQNHED L NOD
 [NODMCCCF S@M@N@S@B@M@V@R
 fi fi ODC@SHMKSBDNV@VDCR
 3@H JDC@SHM SBRTDR GXCONKYDC AX JDC@SHMKSBD NV@VDCR
 SGTR K@CR SN VD@JDM@ NE SED M@H.A@DDO @VC DNV@VDCR
 ODD D@SHM
 k' 2 DDB@V@K@L DSGNCR SN DNV@VDCR M@HKO@SD@SHM\$
 k' fi 3@H@A@RHM
 QGR L DSGNCR TRDR R@M@O@ODM@H@H@DR O@N@S@N M@H@SD@S@L DNV@
 AX CCFR RHD' @SHM@ETM@@KSN CDBD@FD SED ETM@@KL @RR .S

HVINKDR R@M@H@ NE SED M@H@O@SD SN ODCED S@H@NDRR NO
 CDR@X H@BNL O@SDKX' 8@M@O@ODM@L@D@O@fiZ/ NO fi" / B@M
 AD TSHYDC 3@H@A@RHM@SGH@R@SD M@H@O@SD" CDBD@RHM SED
 ETM@@KL @RR NE N@M@B@NL XBNRR @VC D@V@NRHM SED H@D@SDC M@H@
 ADC fi fi
 k' fi 3@H@UTRHM@V@.SHVINKDR ODL NU@KNE SED DNV@D M@H@O@SD
 NO O@S@K ODL NU@K NE SED @E@SDC M@H@O@SD HR CNND
 RT@H@K@K AX S@S@K M@H@UTRHM@V@ O@S@K M@H@UTRHM@V@
 TM@D@K@B@K@M@D@R@D@O@O@N@S@N@H@B@K@SD@S@L DNV@fi fi

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