

The TanakhML Project

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Biblia Hebraica Stuttgartensia
Isaiah

33 ¹ HO74WY \$OWD"81D W:/)AT.FH03 LO74) \$FD80W.D W./BOWG"73D
W:/LO)-BF74G:DW. B/O92W? K.A/H:ATI75M/:KF70 \$OWD"D03 T.W.\$A80D
K.A/N.:LOT/:KF71 LI/B:G.O73D YIB:G.:DW.-B/F75K:00 ² Y:HWF71H XFN./"73NW. L/:KF74
QIW.I92YNW.? H:EY"70H Z:RO(/FM03 LA/B.:QFRI80YM)AP-Y:\$W.(FT/"73NW. B.:/"71T
CFRF75H00? ³ MI/Q.O74WL HFMO80WN NFD:D73W. (AM.I92YM
M"/RO74WM:MUT/E80KF NFP:C73W. G.OWYI75M00? ⁴ W:/)US.A74P \$:LAL/:KE80M
)O73SEP HE75/XFSI92YL K.:/MA\$.A71Q G."BI73YM \$OWQ"71Q B./O75W00?
⁵ NI&:G.F74B Y:HWF80H K.I71Y \$OK"73N MFRO92WM MIL."74) CIY.O80WN MI\$:P.F73+
W:/C:DFQF75H00? ⁶ W:/HFYFH03):EMW.NA74T (IT.E80Y/KF? XO71SEN Y:\$W.(O73T
XFK:MA74T WF/DF92(AT YIR:):A71T Y:HWF73H HI71Y))OWCFR/O75W00? ⁷ 10H"N
)ER:JEL/F80M CF:(AQ73W. XU92CFH MAL:):AK"74Y \$FLO80WM MA73R
YIB:K.FY75W.N00? ⁸ NF\$A74M.W. M:SIL.O80WT \$FBA73T (OB"74R)O92RAX? H"P"70R
B.:RIYT03 MF)A74S (FRI80YM LO71) XFS\$A73B):ENO75W\$00? ⁹)FBA70L)UM:L:LFH03
)F80REC HEX:P.I71YR L:BFNO73WN QFMA92L? HFYF70H HA/\$.FROWN03
K.F75/(:ARFBF80H W:/NO("71R B.F\$F73N W:/KAR:ME75L00? ¹⁰ (AT.F71H)FQ73W.M
YO)MA74R Y:HWF92H (AT.FH03)"75ROWMF80M (AT.F73H)EN.F&"75)00?
¹¹ T.AH:AR71W. X:A\$A73\$ T."74L:DW. QA92\$ RW.X:/AKE85M)"73\$ T.O)KAL/:KE75M00?
¹² W:/HFY71W. (AM.I73YM MI&:R:PO74WT &I92YD QOWCI71YM K.:SW.XI73YM
B.F)"71\$ YIC.A75T.W.00 ¹³ \$IM:(71W. R:XOWQI73YM):A\$E74R (F&I92YTIY W./D:(71W.
Q:ROWBI73YM G.:BURFT/I75Y00? ¹⁴ P.FX:AD70W. B:/CIY.OWN03 XA+.F)I80YM
)FX:AZF71H R:(FDF73H X:AN"PI92YM? MI74Y05 YFG74W.R L/F81NW. ¹⁰)\$
)OWK"LF80H MIY-YFG71W.R L/F73NW. MOWQ:D"71Y (OWLF75M00? ¹⁵ HOL"74K:
C:DFQO80WT W:/DOB"73R M"75Y\$FRI92YM MO)"62S B.:/BE74CA(MA(:A\$AQ.O81WT?
NO("70R K.AP.FY/W03 MI/T.:MO74K: B.A/\$.O80XAD)O+"70M)FZ:N/OW03
MI/\$.:MO74(A D.FMI80YM? W:/OC"71M ("YNF73Y/W M"/R:):O71WT B.:/RF95(00
¹⁶ 10HW.) M:ROWMI74YM YI\$:K.O80N? M:CFDO71WT S:LF(I73YM MI&:G.AB./O92W
LAX:M/O74W NIT.F80N M"YMF73Y/W NE):EMFNI75YM00? ¹⁷ ME71LEK:
B.:/YFP:Y/O73W T.EX:EZE74YNFH ("YNE92Y/KF T.IR:):E73YNFH)E71REC
MAR:XAQ.I75YM00? ¹⁸ LIB./:KF73 YEH:G.E74H)"YMF92H)AY."70H SOP"R03)AY."74H
\$OQ"80L)AY."73H SOP"71R)ET-HA/M.IG:D.FLI75YM00? ¹⁹)ET-(A71M NOW(F73Z LO74)
TIR:):E92H (A74M (IM:Q"70Y &FPFH03 MI/\$.:MO80W(A NIL:(A71G LF\$O73WN?)"71YN
B.IYNF75H00? ²⁰ X:AZ"74H CIY.O80WN QIR:YA73T MO75W(:AD/"92NW.? ("YNEY/KF04
TIR:):E63YNFH Y:RW.\$FLA61IM NFWE74H \$A):ANF81N)O70HEL B.AL-YIC:(FN03?
B.AL-YIS.A70(Y:T"75DOTFY/W03 LF/NE80CAX W:/KFL-X:ABFLF73Y/W
B.AL-YIN.FT"75QW.00? ²¹ K.I74Y)IM-\$F62M)AD.I70YR Y:HWFH03 L/F80NW.
M:QOWM-N:HFRI71YM Y:):ORI73YM RAX:AB"74Y YFDF92YIM? B.AL-T."70LEK:
B./OW03):FNIY-\$A80YI+ W:/CI71Y)AD.I73YR LO71) YA(AB:R/E75N.W.00? ²² K.I70Y
Y:HWFH03 \$OP:+/"80NW. Y:HWF73H M:XOQ:Q/"92NW. Y:HWF71H MAL:K./"73NW.
H71W.) YOW\$YI/"75NW.00? ²³ NI+.:\$73W. X:ABFLF92Y/IK: B.AL-Y:XAZ.:Q70W.
K"N-T.FR:N/FM03 B.AL-P.F74R:&W. N"80S?)F74Z XULA70Q (A75D-\$FLFL03
MAR:B.E80H P.IS:XI73YM B.F71Z:ZW. BA75Z00? ²⁴ W./BAL-YO)MA71R \$FK"73N
XFLI92YTIY HF/(F91M HA/Y.OS"71B B./F73H. N:&U71) (FWO75N00? **34** ¹ QIR:B70W.
GOWYIM03 LI/\$:MO80(A W./L:)UM.I73YM HAQ:\$I92YBW.? T.IS:MA70(HF/)F33REC03
W./M:LO)/F80H. T."B"73L W:/KFL-CE):ECF)E75Y/HF00? ² K.I74Y QE70CEP
LA75/YHWFH03 (AL-K.FL-HA/G.OWYI80M W:/X"MF73H (AL-K.FL-C:BF)F92M?
HEX:ERIYM/F73M N:TFN/F71M LA/+F75BAX00? ³ W:/XAL:L"Y/HE74M YU\$:LF80KW.
W./PIG:R"Y/HE73M YA(:ALE74H BF):\$F92M? W:/NFMA71S.W. HFRI73YM
MI/D.FM/F75M00 ⁴ W:/NFMA33Q.W.03 K.FL-C:BF74) HA/\$.FMA80YIM? W:/NFGO71L.W.
KA/S."73PER HA/\$.FMF92YIM W:/KFL-C:BF)F74M YIB.O80WL? K.I/N:BO70L (FLEH03
MI/G.E80PEN W:/K:/NOBE73LET MI/T:)"NF75H00? ⁵ K.I75Y-RIW.:TF71H
BA/\$.FMA73YIM XAR:B./I92Y? HIN."H03 (AL-):EDO74WM T."R"80D W:/AL-(A71M
XER:MI73Y L:/MI\$:P.F75+00? ⁶ XE74REB LA/YHWF62H MFL:):F71H DFM03
HUD.A74\$:NFH M"/X"80LEB? MI/D.A70M K.FRIYM03 W:/AT.W.DI80YM M"/X"73LEB
K.IL:YO74WT)"YLI92YM? K.I74Y ZE70BAX LA75/YHWFH03 B.:/BFC:RF80H
W:/+E71BAX G.FDO73WL B.:/E71REC):EDO75WM00? ⁷ W:/YFR:D70W. R:)"MIYM03
(IM./F80M W./PFRI73YM (IM-)AB.IYRI92YM? W:/RIW.:TF70H)AR:C/FM03 MI/D.F80M
WA/(:APFR/F73M M"/X"71LEB Y:DU\$.F75N00? ⁸ K.I91Y YO71WM NFQF73M

LA75/YHWF92H \$:NA71T \$IL.W.MI73YM L:/RI71YB CIY.O75WN00? 9 W:/NEHEP:K70W.
N:XFLE33Y/HF03 L:/ZE80PET WA:(APFR/F73H. L:/GFP:RI92YT? W:/HFY:TF74H
)AR:C/F80H. L:/ZE73PET B.O("RF75H00? 10 LA70Y:LFH W:/YOWMFM03 LO74)
TIK:B.E80H L:(OWLF73M YA(:ALE74H (:A\$FN/F92H.? MI/D.O70WR LF/DOWR03
T.EX:ERF80B L:/N"74CAX N:CFXI80YM)"71YN (OB"73R B:/F75H.00?
11 WI/YR"\$33W./HF03 QF)A74T W:/QIP.O80WD W:/YAN:\$O71WP W:(OR"73B
YI\$:K.:NW.-B/F92H.? W:/NF+F71H (FLE91Y/HF QA75W-TO73HW.
W:/)AB:N"Y-BO75HW.00? 12 XORE71Y/HF? W:/)"75YN-\$F73M M:LW.KF74H YIQ:RF92)W.
W:/KFL-&FRE73Y/HF YI71H:YW.)F75PES00? 13 W:(FL:TF70H)AR:M:NOTE33Y/HF03
SIYRI80YM QIM.O71W& WF/XO73WXA B.:MIB:CFRE92Y/HF? W:/HFY:TFH03 N:W"74H
TAN.I80YM XFCI73YR LI/B:NO71WT YA:(ANF75H00? 14 W:/PFG:\$70W. CIY.IYM03
)ET-)IY.I80YM W:/&F(I73YR (AL-R"/("74HW. YIQ:RF92)?)AK:-\$FM03 HIR:G.I74Y(FH
L.IYLI80YT W:/MFC):F71H L/F73H. MFNO75WXA00? 15 \$F74M.FH QIN.:NF70H
QIP.OWZ03 WA/T.:MAL."80+ W:/BFQ:(F73H W:/DFG:RF74H B:/CIL./F92H.?)AK:-\$F91M
NIQ:B.:C71W. DAY.O73WT)I\$.F71H R:(W.T/F75H.00? 16 D.IR:\$63W. M"75/(AL-S"70PER
Y:HWFH03 W.95/Q:RF80)W.)AXA70T M"/H"33N.FH03 LO74) NE:(D.F80RFH?)I\$.F71H
R:(W.T/F73H. LO74) PFQF92DW. K.I75Y-P/Y03 H74W.) CIW.F80H W:/RW.X/O73W
H71W.)? QIB.:CF75N00? 17 W:/H75W.)-HIP.I70YL L/FHEN03 G.OWRF80L W:/YFD/O91W
XIL.:QA71T.FH L/FHE73M B.A/Q.F92W? (AD-(OWLFM03 YI75YRF\$80W./HF L:/DO71WR
WF/DO73WR YI\$:K.:NW.-B/F75H.00 35 1 Y:&U&71W./M MID:B.F73R W:/CIY.F92H
W:/TFG"94L (:ARFBF91H W:/TIP:RA73X? K.A/X:ABAC.F75LET00 2 P.FRO63XA
T.IP:RA61X W:/TFG"81L 10)AP G.IYLA74T W:/RAN."80N? K.:BO70WD HA/L.:BFNOWN03
NIT.AN-L/F80H. H:ADA71R HA/K.AR:ME73L W:/HA/\$.FRO92WN? H"91M.FH YIR:)71W.
K:BOWD-Y:HWF73H H:ADA71R):ELOH"75Y/NW.00 3 XAZ.:Q73W. YFDA74YIM
RFPO92WT W:/BIR:K.A71YIM K.O\$:LO73WT)AM."75CW.00? 4)IM:RW.03
L:/NIM:H:AR"Y-L"80B XIZ:Q73W.)AL-T.IYRF92)W.? HIN."70H):ELO75H"Y/KEM03
NFQF74M YFBO80W)? G.:M74W.L):ELOHI80YM H71W.) YFBO73W)
W:/YOSA(:AKE75M00? 5)F71Z T.IP.FQA73X:NFH ("YN"74Y (IW:RI92YM W:/)FZ:N"71Y
X"R:\$I73YM T.IP.FTA75X:NFH00? 6)F74Z Y:DAL."70G K.F75/)AY.FL03 P.IS."80XA
W:/TFRO73N L:\$O74WN)IL."92M? K.I75Y-NIB:Q:(70W. BA/M.ID:B.FR03 MA80YIM
W:/N:XFLE73YM B.F/(:ARFBF75H00? 7 W:/HFYF70H HA/\$.FRFB03 LA/):AGA80M
W:/CIM.F)O73WN L:/MAB.74W.("Y MF92YIM? B.I/N:W"70H TAN.IYM03 RIB:C/F80H.
XFCI73YR L:/QFNE71H WF/GO75ME)00? 8 W:/HFYFH-\$F62M MAS:L74W.L WF/DE81REK:
W:/DE70REK: HA/Q.O33DE\$03 YIQ.F74R") L/F80H.? LO75)-YA(AB:R/E71N.W. +FM"73)
W:/HW.)-L/F92MOW HOL"71K: D.E91REK: WE/):EWIYLI73YM LO71)? YIT:(75W.00?
9 LO)-YIH:YE63H \$F61M)AR:Y"81H W:/P:RI70YC XAY.OWT03 B.A75L-YA(:AL/E80N.FH
LO71) TIM.FC"73)? \$F92M W:/HFL:K73W. G.:W.LI75YM00 10 W:/P:DW.Y"63Y Y:HWF61H
Y:\$UB81W.N? W:/BF70)W. CIY.OWN03 B.:RIN.F80H W:/&IM:XA71T (OWLF73M
(AL-RO)\$F92M? &F&O70WN W:/&IM:XFH03 YA&.I80YGW. W:/NF73SW. YFGO71WN
WA/):ANFXF75H00 36 1 WA/Y:HI83Y B.:)AR:B.A(04 (E&:R"63H \$FNF61H LA/M.E74LEK:
XIZ:QIY.F81HW. (FLF62H SAN:X"RI70YB ME75LEK:-)A\$.W.R03? (A74L K.FL-(FR"94Y
Y:HW.DF91H HA/B.:CURO73WT WA75/Y.IT:P.:&/"75M00 2)ET-?WA/Y.I\$:LA74X
RAB-ME75LEK:-\$FQ"63H)A\$.74W.R05 MI/L.FKI94Y\$)ET-?Y:RW.\$FLA91:M/FH
RAB-JEL-\$FQ"63H HA/M.E71LEK: MI/L.FKI94Y\$ XIZ:QIY.F73HW. Y:RW.\$FLA91:M/FH
B.:X"74YL)EL-K.FB"92D HA/M.E71LEK: WA75/Y.A(:AMO81D? XIZ:QIY.F73HW.
B.I/T:(FLAT03 B.:X"74YL HA/B.:R"KF74H K.FB"92D HF/(EL:YOWNF80H
WA75/Y.A(:AMO81D? B.I/M:SIL.A73T B.I/T:(FLAT03 &:D"71H HA/B.:R"KF74H
KOWB"75S00 HF/(EL:YOWNF80H B.I/M:SIL.A73T &:D"71H KOWB"75S00 3 WA/Y."C"71)
)"LF91Y/W)EL:YFQI71YM? B.EN-XIL:QIY.F73HW.):A\$E74R (AL-HA/B.F92YIT
W:/)SEB:Nf)03 HA/S.OP"80R W:/YOW)F71X B.EN-)FSF73P HA/M.AZ:K.I75YR00?
4 WA/Y.O70)MER):AL"Y/HEM03 RAB-\$FQ"80H)IM:RW.-NF73))EL-XIZ:QIY.F92HW.
K.O75H-)FMA62R HA/M.E70LEK: HA/G.FDOWL03 ME74LEK:)A\$.80W.R MF94H
HA/B.I+.FXO91WN HA/Z.E73H):A\$E71R B.F+F75X:T.F00 5)FMA33R:T.IY03
)AK:-?D.:BAR-&:PFTA80YIM ("CF71H W:/G:BW.RF73H LA/M.IL:XFMF92H (AT.FH03
(AL-MI74Y BF+A80X:T.F K.I71Y MFRA73D:T.F? B./I75Y00 6 HIN."74H BF+A83X:T.F
(AL-MI\$:ENET04 HA/Q.FNE63H HF/RFC70W.C HA/Z.EH03 (AL-MIC:RA80YIM
):A\$E63R? YIS.FM"71K:)IY\$03 (FLF80Y/W W:/BF71) B:/KAP./O73W W:/N:QFB/F92H.

10K."N P.AR:(O74H ME75LEK:-MIC:RA80YIM L:/KF75L-?HA/B.O+:XI73YM (FLF75Y/W00
7 W:/KIY-TO)MA74R)"L/A80Y)EL-Y:HWF71H):ELOH"73Y/NW. B.F+F92X:NW.
H:A/LOW)-?H81W.)):A\$E63R H"SI70YR XIZ:QIY.F33HW.03)ET-B.FMOTF74Y/W
W:/)ET-MIZ:B.:XOTF80Y/W WA/Y.O70)MER LI75/YHW.DFH03 W:/LI/YR74W.\$FLA80IM
LI/P:N"91Y HA/M.IZ:B."71XA HA/Z.E73H T.I75\$:T.AX:AW95W.00 8 W:/(AT.FH03
HIT:(F74REB NF80))ET-?):ADON/I73Y HA/M.E74LEK:)A\$.92W.R W:/)ET.:NF70H L:/KF03
)AL:P.A74YIM SW.SI80YM)IM-T.W.KA85L LF71/TET L:/KF73? ROK:BI71YM
(:AL"Y/HE75M00 9 W:/)"74YK: T.F\$I81YB 14)"T P.:N"63Y PAXA71T)AXA91D (AB:D"71Y
):ADON/I73Y HA/Q:+AN.I92YM? WA/T.IB:+A70X L:/KF03 (AL-MIC:RA80YIM
L:/RE73KEB W./L:/PFRF\$I75YM00 10 W:/(AT.FH03 H:A/MI/B.AL:(:AD"74Y Y:HWF80H?
(FLI91YTIY (AL-HF)/F71REC HA/Z.O73)T L:/HA\$:XIYT/F92H. Y:HWFH03)FMA74R
)"L/A80Y (:AL"91H)EL-HF)/F71REC? HA/Z.O73)T W:/HA\$:XIYT/F75H.00
11 WA/Y.O74)MER)EL:YFQIYM04 W:/SEB:NF63) W:/YOW)F61X)EL-RAB-?SFQ"81H
D.AB.ER-NF70))EL-(ABFDE33Y/KF03):ARFMI80YT K.I71Y \$OM:(I73YM):ANF92X:NW.
W:/)AL-T.:DAB."70R?)"L"33Y/NW.03 Y:HW.DI80YT B.:/FZ:N"74Y HF/(F80M):A\$E73R
(AL-HA/XOWMF75H00 12 WA/Y.O74)MER WA/Y.O74)MER RAB-RAB-\$FQ"81H?
\$FQ"81H? HA/E63L HA/E63L):ADONE70Y/KF):ADONE70Y/KF W:/)LE33Y/KF03
W:/)LE33Y/KF03 \$:LFX/A74NIY \$:LFX/A74NIY):ADON/I80Y):ADON/I80Y L:/DAB."73R
L:/DAB."73R)ET-)ET-HA/D.:BFRI74YM HA/D.:BFRI74YM HF/)"92L.EH HF/)"92L.EH
H:A/LO74)? H:A/LO74)? (AL-(AL-HF/):ANF\$I81YM HF/):ANF\$I81YM HA/Y.O75\$:BIYM03
HA/Y.O75\$:BIYM03 (AL-(AL-HA74/XOWMF80H HA74/XOWMF80H LE/):EKO74L
LE/):EKO74L **COW)FT/F81M)ET-W:/LI/\$:T.O91WT **COW)FT/F81M **M"YM"71Y
W:/LI/\$:T.O91WT **RAG:L"Y/HE73M)ET-?(IM./FKE75M00 **M"YM"71Y
**RAG:L"Y/HE73M (IM./FKE75M00 13 WA75/Y.A:(AMOD03 RAB-\$FQ"80H WA/Y.IQ:RF71)
B:/QOWL-G.FDO73WL Y:HW.DI92YT? WA/Y.O85)MER \$IM:(81W.)ET-D.IB:R"91Y
HA/M.E71LEK: HA/G.FDO73WL ME71LEK:)A\$.75W.R00 14 10K.OH)FMA74R?
HA/M.E80LEK:)AL-YA\$.I71) L/FKE73M XIZ:QIY.F92HW. K.I71Y LO75)-YW.KA73L
L:/HAC.I71YL)ET:KE75M00 15 W:/)AL-?YAB:+A63X)ET:KE70M XIZ:QIY.F33HW.03
)EL-Y:HWF74H L"/)MO80R HAC."71L YAC.IYL/"73NW. Y:HWF92H LO70) TIN.FT"N03?
HF/(I74YR HA/Z.O80)T B.:YA73D ME71LEK:)A\$.75W.R00 16)A75L-T.IS:M:(73W.
)EL-XIZ:QIY.F92HW. K.IY04 KO63H?)FMA61R HA/M.E74LEK:)A\$.81W.R
(:A&75W.-)IT./I70Y B:RFKPH03 W:/C:74W.)"L/A80Y W:/)IK:L70W.)IY\$-G.AP:N/OW03
W:/)I74Y\$? T.:NFT/O80W W./\$:T73W.)I71Y\$ M"Y-BOWR/O75W00 17 (AD-B.O.)I85Y
W:/LFQAX:T.I71Y)ET:KE73M)EL-)E74REC? K.:/AR:C:KE92M)E70REC D.FGFN03
W:/TIYRO80W\$)E71REC LE73XEM W./K:RFMI75YM00 18 P.EN-YAS.I63YT)ET:KE70M?
XIZ:QIY.F33HW.03 L"/)MO80R Y:HWF73H YAC.IYL/"92NW. HA/HIC.I61YLW.
):ELOH"70Y HA/G.OYIM03)I74Y\$)ET-)AR:C/O80W MI/Y.A73D? ME71LEK:
)A\$.75W.R00 19)AY."62H):ELOH"70Y X:AMFT03 W:/)AR:P.F80D)AY."73H):ELOH"74Y
S:PAR:WF92YIM W:/KI75Y-?HIC.I71YLW.)ET-\$OM:RO73WN MI/Y.FD/I75Y00 20 MI81Y
B:/KFL-):ELOH"70Y HF75/):ARFCOWT03 HF/)"80L.EH):A\$ER-?HIC.I71YLW.
)ET-)AR:C/F73M MI/Y.FD/I92Y K.I75Y-YAC.I94YL Y:HWF91H)ET-Y:RW.\$FLA73IM
MI/Y.FD/I75Y00 21 WA75/Y.AX:ARI80Y\$W.? W:/LO75)-(FN71W.)OT/O73W D.FBF92R
K.I75Y-MIC:WA63T HA/M.E71LEK: HI91Y) L"/)MO73R LO71) TA:(ANU75/HW.00?
22 WA/Y.FBO74))EL:YFQI74YM B.EN-XIL:QIY.F74HW.):A\$ER-(AL-14HA/B.AYIT
W:/SEB:NF63) HA/S.OWP"61R W:/YOW)F63X? B.EN-)FSF94P HA/M.AZ:K.I91YR
)EL-XIZ:QIY.F73HW. Q:RW.("74Y B:GFDI92YM WA/Y.AG.I74YDW. L/O80W.)"73T
D.IB:R"71Y RAB-?SFQ"75H00 37 1 WA/Y:HI81Y K.I/\$:MO33(A03 HA/M.E74LEK:
XIZ:QIY.F80HW. WA/Y.IQ:RA73()ET-B.:GFDF92Y/W WA/Y.IT:K.A74S B.A/&.F80Q
WA/Y.FBO73) B."71YT? Y:HWF75H00 2 14WA/Y.IS:LAX)ET-)EL:YFQI63YM
):A\$ER-(AL-HA/B.A61YIT W:/)"74T05 SEB:NF74) HA/S.OWP"81R? W:/)"T03 ZIQ:N"74Y
HA/K.OH:ANI80YM MIT:K.AS.I73YM B.A/&.AQ.I92YM)EL-Y:\$A75(:YF71HW.
BEN-)FMO73WC HA/N.FBI75Y)00? 3 WA/Y.O)M:R74W.)"LF81Y/W 10K.OH)FMA74R
XIZ:QIY.F80HW. YOWM-CFRF94H W:/TOWK"XF91H W./N:)FCF73H HA/Y.O74WM
HA/Z.E92H? K.I74Y BF70)W. BFNIYM03 (AD-MA\$:B."80R W:/KO71XA)A73YIN
L:/L"DF75H00 4)W.LA83Y YI\$:MA(04 Y:HWF63H):ELOHE61Y/KF?)"74T05 D.IB:R"74Y
RAB-\$FQ"81H):A\$ER04 \$:LFX/O63W ME75LEK:-)A\$.70W.R05):ADONFY/W03
L:/XFR"P03):ELOHI74YM? XA80Y W:/HOWKI33YXA03 B.A/D.:BFRI80YM):A\$E71R

\$FMA73(Y:HWF74H):ELOHE92Y/KF W:NF&F74)TF T:PIL.F80H B.:(A71D? HA/\$.):"RI73YT HA/N.IM:CF)F75H00 5 WA/Y.FBO81)W. (AB:D"91Y HA/M.E71LEK: XIZ:QIY.F73HW.)EL-Y:\$A(:YF75HW.00? 6 WA/Y.O70)MER):AL"Y/HEM03 Y:\$A75(:YF80HW. K.O71H TO)M:R73W.N)EL-):ADON"Y/KE92M K.O74H05)FMA74R Y:HWF81H?)AL-T.IYRF)03 MI/P.:N"70Y HA/D.:BFRIYM03):ASE74R \$FMA80:(T.F):ASE94R G.ID.:P91W. NA(:AR"71Y MELEK:-)A\$.73W.R?)OWT/I75Y00 7 HIN:/NI63Y NOWT"71N B./OW03 R80W.XA W:\$FMA71(\$:MW.(F73H W:\$F74B)EL-)AR:C/O92W W:/HIP.AL:T.I71Y/W? B.A/XE73REB B.):)AR:C/O75W00 8 WA/Y.F33\$FB03 RAB-\$FQ"80H WA/Y.IM:CF)03)ET-ME74LEK:)A\$.80W.R? NIL:XF73M (AL-LIB:NF92H K.I74Y \$FMA80(K.I71Y NFSA73(MI/L.FKI75Y\$00 9 WA/Y.IS:MA81((AL-T.IR:HF70QFH? ME75LEK:-K.W.\$03 L"/)MO80R YFCF73) L:/HIL.FX"74M)IT./F92K: WA/Y.IS:MA81(03 WA/Y.IS:LA74X MAL:)FKI80YM)EL-?XIZ:QIY.F73HW. L"/)MO75R00 10 K.O74H TO)M:R81W.N)EL-XIZ:QIY.F70HW. ME75LEK:-Y:HW.DFH03 L"/)MO80R)AL-?YA\$.I):AKF74]3):ELOHE80Y/KF):ASE71R)AT.F91H B.OW+"71XA B./O73W L"/)MO92R LO70) TIN.FT"N03 Y:R74W.\$FLA80IM B.:YA73D ME71LEK:?) A\$.75W.R00 11 HIN."74H05)AT.F74H \$FMA81:(T.F):ASE63R (F&61W. MAL:K"71Y)A\$.91W.R L:/KFL-HF):ARFCO73WT? L:/HAX:ARIYM/F92M W:)/AT.F73H T.IN.FC"75L00 12 HA/HIC.I63YLW.)OWT/F61M):ELOH"70Y HA/G.OWYIM03):ASE74R HIS:XI74YTW.?)):ABOWT/A80Y)ET-G.OWZF73N W:)/ET-XFRF92N W:/RE71CEP W./B:N"Y-(E73DEN):ASE71R B.I/T:LA&.F75R00 13)AY."70H? ME75LEK:-X:AMFT03 W./ME74LEK:)AR:P.F80D W./ME73LEK: LF/(I74YR S:PAR:WF92YIM H"NA73(W:/(I7F75H00? 14 WA/Y.IQ.A63X XIZ:QIY.F94HW.)ET-HA/S.:PFR91YM MI/Y.A71D HA/M.AL:)FKI73YM WA/Y.IQ:RF)/"92HW. WA/Y.A33(AL03 B."74YT? Y:HWF80H WA/Y.IP:R:&/"71HW. XIZ:QIY.F73HW. LI/P:N"71Y Y:HWF75H00 15 WA/Y.IT:P.AL."L03 XIZ:QIY.F80HW.)EL-Y:HWF73H? L"/)MO75R00 16 Y:HWF63H C:BF)O61WT):ELOH"70Y YI&:RF)"L03 YO\$"74B HA/K.:RUBI80YM)AT.FH-H70W.?) HF75):ELOHIYM03 L:/BAD./:KF80 L:/KO73L MAM:L:KO74WT HF)/F92REC)AT.F74H (F&I80YTF)ET-HA/\$.FMA73YIM W:)/ET-?HF)/F75REC00 17 HA+."63H Y:HWF70H05)FZ:N:/KF03 W.95\$:/MF80(P.:QA94X Y:HWF91H ("YN/E73KF W./R:)"92H W./\$:/MA81(10)"T? K.FL-D.IB:R"74Y SAN:X"RI80YB):ASE74R \$FLA80X L:/XFR"73P):ELOHI71YM XF75Y00? 18)FM:NF73M Y:HWF92H? HEX:ERI61YBW. MAL:K"71Y)A\$.91W.R)ET-K.FL-HF):ARFCO73WT W:)/ET-)AR:C/F75M00 19 W:/NFTO71N)ET-?):ELOH"Y/HE73M B.F)/"92\$ K.IY04 LO63)):ELOHI61YM H"81M.FH K.I74Y)IM-MA:(A&"94H Y:D"75Y-)FDF91M ("71C WF)/E73BEN? WA75Y:)AB.:D75W./M00 20 W:/(AT.FH03 Y:HWF74H):ELOH"80Y/NW. HOW\$YI("73NW. MI/YFD/O92W]1 W:/Y"75D:(W.03 K.FL-MAM:L:KO74WT? HF)/F80REC K.I75Y-)AT.F71H Y:HWF73H L:/BAD./E75KF00 21 WA/Y.IS:LAX03 Y:\$A75(:YF74HW. BEN-?)FMO80WC)EL-XIZ:QIY.F73HW. L"/)MO92R K.O75H-)FMA70R Y:HWFH03):ELOH"74Y YI&:RF)"80L):ASER03 HIT:P.AL.A74L:T.F?))L/A80Y)EL-SAN:X"RI73YB ME71LEK:)A\$.75W.R00 22 ZE74H HA/D.FBF80R):ASER-D.IB.E71R Y:HWF73H (FLF92Y/W? B.FZF63H L:/KF61 LF:(AGF74H L:/KF81 B.:TW.LAT03 B.AT-CIY.O80WN?)AX:ARE33Y/KF03 RO74)\$ H"NI80Y(FH B.A73T Y:RW.\$FLF75IM00? 23)ET-MI70Y X"RA33P:T.F03 W:/GID.A80P:T.F W:/(AL-MI73Y H:ARIYMO74WTFH Q.O92WL? WA/T.I.&.F71) MFRO91WM ("YNE73Y/KF)EL-Q:DO71W\$ YI&:RF)"75L00? 24 B.:YA74D (:ABFDEY/KF02 X"RA74P:T.F05):ADONFY01 WA/T.O81)MER B.:RO71B RIK:O191Y?):ANI71Y (FLI91YTIY M:RO71WM HFRI73YM YAR:K.:T"74Y L:BFNO92WN? W:)/EK:RO62T QOWMA70T):ARFZFY/W03 MIB:XA74R B.:RO\$F80Y/W? W:)/FBOW)03 M:RO74WM QIC./O80W YA73(AR K.AR:MIL./O75W00? 25):ANI71Y QA73R:T.IY W:/SFTI74YTIY MF92YIM? W:)/AX:RIB03 B.:KAP-P.:(FM/A80Y K.O73L Y:)OR"71Y MFCO75WR00? 26 H:A/LO75W)-\$FMA70:(T.F L:/M"75/RFXOWQ03)OWT/F74H. (F&I80YTIY? MI71/YM"Y QE73DEM WI/YCAR:T.I92Y/HF (AT.F74H H:AB")TI80Y/HF? W./T:HI81Y L:/HA\$:)O91WT G.AL.I71YM NIC.I73YM (FRI71YM B.:CURO75WT00? 27 W:/YO75\$:B"Y/HEN03 QIC:R"Y-YF80D XA73T.W. WF/BO92\$W.? HFY62W. ("70&EB &FDEH03 WI74/YRAQ D.E80\$E)? X:ACI74YR G.AG.O80WT W./\$:/D"MF73H LI/P:N"71Y QFMF75H00? 28 W:/SIB:T.:KF91 W:/C")T:/KF71 W./BOW):AKF73 YFDF92:(T.IY W:/)73T HI75T:RAG.EZ:/KF71)L/F75Y00? 29 10YA(AN HIT:RAG.EZ:/KF74)L/A80Y W:/\$A):ANAN:/KF73 (FLF74H B:/)FZ:N/F92Y? W:/&AM:T.I63Y XAX/I61Y B.:)/AP./E81KF W./MIT:G./IY03 B.I/&:PFTE80Y/KF? WA/H:AS\$I74YB0TI80Y/KF B.A/D.E73REK:

B.F71)TF B./F75H.00? ³⁰ W:/ZEH-L./:KF74 HF/)O80WT?)FKO70WL HA/\$.FNFH03 SFPI80YXA W./BA/\$.FNF71H HA/\$."NI73YT \$FXI92YS? W./BA/\$.FNF74H HA/\$.:LIY\$181YT ZIR:(94W. W:/QIC:R91W. W:/NI+: (71W. K:RFMI73YM **W:/)IK:L71W. PIR:Y/F75M00? ³¹ W:/YF63S:PF61H P.:L"Y+A94T B."YT-Y:HW.DF91H HA/N.IS:)FRF73H SO74RES L:/MF92+.FH W:(F&F71H P:RI73Y? L:/MF75(:L/FH00? ³² K.I70Y MI/YR75W.\$FLA33IM03 T."C"74) \$:)"RI80YT W./P:L"Y+F73H M"/HA74R CIY.O92WN? QIN:)A91T Y:HWF71H C:BF)O73WT T.A75(:A&EH-Z.O75)T00 ³³ LF/K"81N K.O75H-)FMA70R Y:HWFH03)EL-ME74LEK:)A\$.80W.R? LO70) YFBOW)03)EL-HF/(I74YR HA/Z.O80)T W:/LO75)-YOWRE71H \$F73M X"92C? W:/LO75)-Y:QAD.:M/E74N.FH MFG"80N W:/LO75)-YIS:P.O71K: (:FLE73Y/HF]1 SOL:LF75H00? ³⁴ B.A/D.E71REK:):A\$ER-B.F73) B./F74H. YF\$92W.B W:/)EL-HF/(I71YR HA/Z.O91)T LO71) YFBO73W) N:)UM-?Y:HWF75H00? ³⁵ W:/GAN.OWTI91Y (AL-HF/(I71YR HA/Z.O73)T L:/HO75W\$YI/(F92H. L:MA75(:AN/I80Y W./L:MA73(AN D.FWI71D? (AB:D./I75Y00 ³⁶ WA/Y."C"74)05 MAL:)A74K: Y:HWF81H WA/Y.AK.EH03 B.:/MAX:AN"74H)A\$.80W.R M")F91H W./\$:MONI71YM WA/X:AMIS.F73H)F92LEP? WA/Y.A\$.K.I74YMW. BA/B.O80QER W:/HIN."71H KUL./F73M P.:GFRI71YM M"TI75YM00 ³⁷ WA/Y.IS.A74(WA/Y."80LEK: WA/Y.F73\$FB SAN:X"RI74YB? ME75LEK:-)A\$.92W.R WA/Y."73\$EB B.:/NI75YN:W"75H00 ³⁸ WA/Y:HIY04 H63W.)]3 MI75\$:T.AX:AWE61H B."74YT05 NIS:RO74K:):ELOHF81Y/W? W:75/)AD:RAM.E63LEK: W:/&AR:)E70CER B.FNFR/W03 HIK.U74/HW. BA/XE80REB W:/H"71M.FH NIM:L:+73W.)E74REC):ANFRF92+? WA/Y.IM:LO91K:)"75SAR-XAD.O71N B.:N/O73W T.AX:T.F75Y/W00 **38** ¹ B.A/Y.FMI74YM HF/H"80M XFLF71H XIZ:QIY.F73HW. LF/M92W.T WA/Y.FBO74W) 14)"LFY/W Y:\$A:(YF63HW. BEN-)FMO61WC? HA/N.FBI81Y) WA/Y.O63)MER)"LF61Y/W K.O75H-)FMA70R Y:HWFH03 CA74W L:/B"YT/E80KF K.I91Y M"71T)AT.F73H W:/LO71)? TI75X:YE75H00 ² WA/Y.AS."94B XIZ:QIY.F91HW. P.FNF73Y/W)EL-HA/Q.I92YR WA/Y.IT:P.AL."73L)EL-Y:HWF75H00 ³ WA/Y.O)MA81R?)FN.F70H Y:HWFH03 Z:KFR-NF62))"74T):A\$E94R HIT:HAL.A74K:T.IY L:/PFNE81Y/KF B.E75):EMET03 W./B:/L"74B \$FL"80M? W:/HA/+.O71WB B.:/"YNE73Y/KF (F&I92YTIY WA/Y."71B.K.: XIZ:QIY.F73HW. B.:KI71Y GFDO75WL00 ⁴ WA75/Y:HIY03 D.:BAR-?Y:HWF80H)E75L-Y:\$A:(YF73HW. L"/)MO75R00 ⁵ HFLO62WK: W:/)FMAR:T.F74)EL-XIZ:QIY.F81HW. K.O75H-)FMA70R? Y:HWFH03):ELOH"Y03 D.FWI74D)FBI80Y/KF \$FMA33(:T.IY03)ET-T.:PIL.FT/E80KF RF)I73YTIY)ET-D.IM:(FT/E92KF HIN:/NIY03? YOWSI74P (AL-YFME80Y/KF X:AM"71\$ (E&:R"73H \$FNF75H00 ⁶ W./MI/K.A70P ME75LEK:-)A\$.W.R03)AC.I74YL:/KF80 W:/)"73T? HF/(I74YR HA/Z.O92)T W:/GAN.OWTI73Y (AL-HF/(I71YR HA/Z.O75)T00 ⁷ W:/ZEH-L./:KF71 HF/)O73WT M"/)"74T Y:HWF92H?):A\$ER03 YA:(A&E74H Y:HWF80H)ET-HA/D.FBF71R HA/Z.E73H):A\$E71R D.IB."75R00 ⁸ HIN:/NI74Y M"\$I74YB)ET-?C"74L HA75/M.A(:ALO83WT):A\$E74R YFR:DFH04 B:/MA(:ALO63WT)FXF71Z B.A/\$.E91ME\$):AXORAN.I73YT (E74&ER? MA(:ALO92WT WA/T.F70\$FB HA/\$.E33ME\$03 (E74&ER MA(:ALO80WT B.A75/M.A(:ALO73WT):A\$E71R YFRF75DFH00 ⁹ MIK:T.F73B L:/XIZ:QIY.F74HW. ME75LEK:-Y:HW.DF92H B.A/X:ALOT/O85W WA/Y:XI73Y M"/XFL:Y/O75W00? ¹⁰):ANI74Y)FMA81R:T.IY B.I/D:MI71Y YFM/A91Y)"L/"73KFH? B.:/\$A(:AR"74Y \$:)O92WL P.UQ.A73D:T.IY YE71TER \$:NOWT/F75Y00? ¹¹)FMA33R:T.IY03 LO)-JER:)E74H YF80H. YF73H. B.:/E74REC HA/XAY.I92YM? LO)-)AB.I71Y+)FDF91M (O73WD (IM-YO71W:\$B"Y XF75DEL00? ¹² D.OWR/I81Y NIS.A94(W:/NIG:LF91H MI/N.I73Y K.:/O74HEL RO/(I92Y QIP.A63D:T.IY KF)OR"70G XAY./AY03 MI/D.AL.F74H Y:BAC:("/80NIY? MI/Y.O71WM (AD-LA73Y:LFH T.A\$:LIYM/"75NIY00 ¹³ \$IW.I70YTIY (AD-B.O33QER03? K.F95):ARI80Y K."71N Y:\$AB."73R K.FL-(AC:MOWT/F92Y MI/Y.O71WM (AD-LA73Y:LFH T.A\$:LIYM/"75NIY00? ¹⁴ K.:/S70W.S (FGW.R03 K."74N):ACAP:C"80P)EH:G.E73H K.A/Y.OWNF92H? D.AL.70W. ("YN/AY03 LA/M.FRO80WM):ADONF73Y (F75\$:QFH-L./I71Y (FR:B/"75NIY00? ¹⁵ MF75H-):ADAB."71R W:/)F75MAR-L/I73Y W:/H74W.) (F&F92H?)JED.AD.E71H KFL-\$:NOWT/A73Y (AL-MA71R NAP:\$/I75Y00? ¹⁶):ADONF73Y (:AL"Y/HE74M YI75X:Y92W. W./L:/KFL-B./FHEN03 XAY."74Y RW.X/I80Y? W:/TAX:ALIYM/"73NIY W:/HAX:AY/"75NIY00 ¹⁷ HIN."71H L:/\$FLO73WM MAR-L/I74Y MF92R? W:/)AT.F62H XF\$A70Q:T.F NAP:\$/IY03 MI/\$.A74XAT B.:LI80Y? K.I71Y HIS:LA91K:T.F)AX:AR"71Y G"W:/KF73 K.FL-X:A+F)/F75Y00? ¹⁸ K.I74Y LO71) \$:JO91WL T.OWD/E73K.F MF74WET

Y:HAL:L/E92K.F? LO75)-Y:&AB.:R71W. YO75WR:D"Y-BO73WR)EL-):AMIT./E75KF00?
¹⁹ XA71Y XA91Y H71W.) YOWD/E73KF K.FMO74W/NIY HA/Y.O92WM?)F74B
L:/BFNI80YM YOWDI73Y(A)EL-):AMIT./E75KF00? ²⁰ Y:HWF73H L:/HOW\$YIY(/"92NIY
W.N:GINOWTA94Y N:NAG."91N? K.FL-Y:M"71Y XAY."73Y/NW. (AL-B."71YT
Y:HWF75H00? ²¹ WA/Y.O74)MER Y:\$A(:YF80HW. YI&:)73W. D.:BE74LET T.):"NI92YM
W:/YIM:R:X71W. (A75L-HA/\$.:XI73YN W:/YE75XIY00? ²² WA/Y.O71)MER
XIZ:QIY.F73HW. MF74H)O92WT K.I71Y)E:(ELE73H B."71YT Y:HWF75H00
39 ¹ B.F(/"74T HA/HI83W) \$FLA83X M:RODA74K: 14B.AL.):ADFN
B.E75N-B.AL.):ADF94N ME75LEK:-B.FBE91L S:PFRI71YM? W:/MIN:XF73H
)EL-XIZ:QIY.F92HW. WA/Y.I\$:MA85(K.I71Y XFLF73H WA95/Y.EX:EF75Q00
² WA/Y.I&:MA74X (:AL"Y/HEM02 XIZ:QIY.FHW.01? WA/Y.AR:)/"74M)ET-B."74YT
**N:KOT/O83W)ET-HA/K.ESEP04 W:/)ET-HA/Z.FHF63B W:/)ET-HA/B.:&FMI61YM
W:/)"74T05? HA/\$.E74MEN HA/+.O81WB W:/)"T03 K.FL-B."74YT K."LF80Y/W W:/)"91T
K.FL-):A\$E71R NIM:CF73) B.:)O75C:ROTF92Y/W? LO75)-HFYF74H DFBF81R 14):A\$ER
LO75)-HER:)/F94M XIZ:QIY.F91HW. B.:/B"YT/O73W W./B:/KFL-MEM:\$AL:T/O75W00?
³ WA/Y.FBO)03 Y:\$A(:YF74HW. HA/N.FBI80Y))EL-HA/M.E73LEK: XIZ:QIY.F92HW.
WA/Y.O63)MER)"LF61Y/W MF71H)FM:R74W.05? HF):ANFSI74YM HF)/"81L.EH
W./M"/)A33YIN03 YFBO74)W.)"LE80Y/KF WA/Y.O33)MER03 XIZ:QIY.F80HW.
M"/)E94REC R:XOWQF91H? B.F71)W.)"L/A73Y MI/B.FBE75L00 ⁴ WA/Y.O85)MER MF71H
RF)73W. B.:/B"YT/E92KF WA/Y.O74)MER XIZ:QIY.F81HW.)"74T K.FL-?):A\$E70R
B.:/B"YT/IY03 RF)80W. LO75)-HFYF71H DFBF91R):A\$E71R LO75)-HIR:JYTI73Y/M
B.:)OWC:ROT/F75Y00? ⁵ WA/Y.O71)MER Y:\$A(:YF73HW.)EL-XIZ:QIY.F92HW. \$:MA73(
D.:BAR-Y:HWF71H C:BF)O75WT00 ⁶ HIN."H02 YFMI74YM? B.F)LYM01 W:/NI&.F74)05
K.FL-):A\$E74R B.:/B"YT/E81KF WA/):A\$E63R)FC:R94W.):ABOTE91Y/KF
(AD-HA/Y.O71WM HA/Z.E73H? B.FBE92L LO75)-YIW.FT"71R D.FBF73R)FMA71R
Y:HWF75H00 ⁷ W./MI/B.FNE61Y/KF):A\$E63R Y"C:)94W. MI/M./:KF91):A\$E71R?
T.OWL173YD YIQ.F92XW. W:/HFYW.03 SFRIYSI80YM B.:/H"YKA73L ME71LEK:
B.FBE75L00 ⁸ WA/Y.O70)MER XIZ:QIY.F33HW.03)E75L-?Y:\$A(:YF80HW. +O71WB
D.:BAR-Y:HWF73H):A\$E74R D.IB.A92R:T.F WA/Y.O85)MER K.I71Y YIH:YE91H
\$FLO71WM WE/):EME73T? B.:/YFMF75Y00 **40** ¹ NAX:AM71W. NAX:AM73W. (AM./I92Y
YO)MA73R):ELOH"Y/KE75M00? ² D.AB.:R62W. (AL-L"70B Y:R75W.\$FLA33IM03
W:/QIR:)74W.)"LE80Y/HF? K.I70Y MF75L):FH03 C:BF)/F80H. K.I71Y NIR:CF73H
(:AWON/F92H.? K.I70Y Lfq:XFH03 MI/Y.A74D Y:HWF80H K.IP:LA73YIM
B.:/KFL-XA+.O)TE75Y/HF00 ³ QO74WL QOWR"80)? B.A/M.ID:B.F85R P.AN.73W.
D.E74REK: Y:HWF92H? YA\$.:RW.03 B.F:(ARFBF80H M:SIL.F73H L"/)LOH"75Y/NW.00?
⁴ K.FL-G.EY)03 YIN.F&"80) W:/KFL-HA71R W:/GIB:(F73H YIS:P.F92LW.? W:/HFYF70H
HE75/(FQOB03 L:/MIY\$O80WR W:/HF/R:KFSI73YM L:/BIQ:(F75H00? ⁵ W:/NIG:LF73H
K.:BO74WD Y:HWF92H W:/RF)70W. KFL-B.F&FR03 YAX:D.F80W K.I91Y P.I71Y
Y:HWF73H? D.IB."75R00 ⁶ 10QOWL)OM"74R Q:RF80) W:/)FMA73R MF74H)EQ:RF92)?
K.FL-HA/B.F&F74R XFCI80YR W:/KFL-XAS:D./O73W K.:CI71YC HA/&.FDE75H00?
⁷ YFB"70\$ XFCIYR03 NF74B"75L CI80YC K.I91Y R71W.XA Y:HWF73H NF74\$:BFH
B./O92W)FK"71N XFCI73YR? HF/(F75M00? ⁸ YFB"71\$ XFCI73YR NF74B"75L CI92YC
W:/D:BAR-):ELOH"73Y/NW. YFQ71W.M L:/)OWLF75M00 ⁹ (A74L HAR-G.FBO70HA
(:ALIY-L/FK:03 M:BA&.E74RET CIY.O80WN? HFRI70YMIY BA/K.O33XA03 QOWL/"80K:
M:BA&.E73RET Y:RW.\$FLF92IM HFRI33YMIY03)AL-T.IYRF80)IY?)IM:RIY03
L:/)FR"74Y Y:HW.DF80H HIN."73H):ELOH"Y/KE75M00? ¹⁰ HIN."63H):ADONF70Y
Y:HWIH03 B.:/XFZF74Q YFBO80W) W:/Z:RO(/O73W MO74\$:LFH L/O92W? HIN."70H
&:KFR/OW03)IT./O80W W:/P:(UL.FT/O73W L:/PFNF75Y/W00? ¹¹ K.:/RO(EH03
(ED:R/O74W YIR:(E80H B.I/Z:RO(/OW03 Y:QAB."74C? +:LF)I80YM W./B:/X"YQ/O73W
YI&.F92) (FLO73WT Y:NAH"75L00 ¹² MI75Y-MFDA63D B.:/\$F:(FL/O61W MA81YIM
W:/\$FMA33YIM03 B.A/Z.E74RET T.IK."80N? W:/KF71L B.A/\$.FLI73\$ (:APA74R
HF)F92REC W:/\$FQA70L B.A/P.E33LES03 HFRI80YM? W:/G:BF(O73WT
B.:/MO)Z:NF75YIM00? ¹³ MI75Y-TIK."71N)ET-R73W.XA]3 Y:HWF92H W:/)I71Y\$
(:ACFT/O73W YOWDIY(/E75N.W.00? ¹⁴)ET-MI70Y NOW(FC03 WA/Y:BIYN/"80HW.
WA75/Y:LAM.:D/"73HW. B.:)O74RAX MIS:P.F92+? WA/Y:LAM.:D/"74HW. DA80(AT
W:/DE71REK: T.:BW.NO73WT YOWDIY(/E75N.W.00? ¹⁵ H"70N G.OWYIM03 K.:/MA74R
MI/D.:LI80Y W./K:/\$A71XAQ MO)Z:NA73YIM NEX:\$F92BW.? H"71N)IY.I73YM

K.A/D.A71Q YI+.O75WL00¹⁶ W./L:BFNO85WN)"71YN D."73Y B.F("92R? W:/XAY.FT/O80W)"71YN D."73Y (OWLF75H00¹⁷ K.FL-HA/G.OWYI73M K.:)A74YIN NEG:D./O92W M"/)E71PES WF/TO73HW. NEX:\$:BW.-L/O75W00?¹⁸ W:/)EL-MI73Y T.:DAM.:Y74W.N)"92L W./MAH-D.:M73W.T T.A71(AR:KW. L/O75W00?¹⁹ HA/P.E33SEL03 NFSA74K: XFRF80\$ W:/COR"73P B.A/Z.FHF74B Y:RAQ.:(E92N.W.? W./R:TUQO71WT K.E73SEP COWR"75P00²⁰ HA75/M:SUK.F74N T.:RW.MF80H ("71C LO75)-YIR:QA73B? YIB:XF92R? XFRF70\$ XFKFM03 Y:BAQ.E\$-L/O80W L:/HFKI71YN P.E73SEL LO71) YIM.O75W+00?²¹ H:A/LO70W) T"75D:(W.03 H:A/LO74W) TI\$:MF80(W. H:A/LO91W) HUG.A71D M"/RO73)\$ L/FKE92M? H:A/LOW)03 H:ABI74YNOTE80M MOWS:DO73WT HF)/F75REC00?²² HA/Y.O\$"B03 (AL-X74W.G HF)/F80REC W:/YO\$:BE73Y/HF K.A/X:AGFBI92YM? HA/N.OW+E70H KA/D.OQ03 \$FMA80YIM WA/Y.IM:T.FX/"71M K.F)/O73HEL LF/\$F75BET00?²³ HA/N.OWT"71N ROWZ:NI73YM L:/)F92YIN \$O71P:+Y)E73REC K.A/T.O71HW. (F&F75H00?²⁴)A74P B.AL-NI+.F81(W. 10)AP B.AL-ZORF80(W.)A91P B.AL-\$OR"71\$ B.F)/F73REC G.IZ:(/F92M? W:/GAM-NF\$A70P B./FHEM03 WA/Y.IBF80\$W. W./S:(FRF73H K.A/Q.A71\$ T.I&F)/"75M00²⁵ W:/)EL-MI71Y T:DAM.:Y73W./NIY W:/)E\$:WE92H YO)MA73R QFDO75W\$00?²⁶ &:)W.-MFRO63WM ("YN"Y/KE70M W./R:)W.03 MIY-BFRF74))"80L.EH? HA/M.OWCI71Y) B:/MIS:P.F73R C:BF)/F92M L:/KUL./FM03 B.:/"74M YIQ:RF80)? M"/RO70B)OWNIYM03 W:/)AM.I74YC K.O80XA)I73Y\$ LO71) NE:(D.F75R00²⁷ LF70/M.FH TO)MAR03 YA75:(AQO80B W./T:DAB."73R YI&:RF)"92L? NIS:T.:RF70H DAR:K./Y03 M"/Y:HWF80H W./M"/)ELOH/A73Y MI\$:P.F+/I71Y YA:(ABO75WR00?²⁸ H:A/LO63W) YFDA61(T.F)IM-LO74) \$FMA81(T.F?)ELOH"63Y (OWLF70M05 Y:HWFH03 B.OWR)"03 Q:CO74WT HF)/F80REC? LO71) YIY(A73P W:/LO74) YIYGF92()"71YN X"73QER LI/T:BW.NFT/O75W00?²⁹ NOT"71N LA/Y.F("73P K.O92XA W./L:/)"71YN)OWNI73YM (FC:MF71H YAR:B.E75H00?³⁰ W:/YI75:(AP71W. N:(FRI73YM W:/YIGF92(W. W./BAXW.RI73YM K.F\$O71WL YIK.F\$"75LW.00?³¹ W:/QOWY"70 Y:HWFH03 YAX:ALI74YPW. KO80XA YA:(AL71W.)"73BER K.A/N.:\$FRI92YM? YFR33W.CW.03 W:/LO74) YIYGF80(W. Y"L:K73W. W:/LO71) YIY(F75PW.00 **41** ¹ HAX:ARI70Y\$W.)"L/AY03)IY.I80YM W./L:)UM.I73YM YAX:ALI74YPW. KO92XA? YIG.:\$W.03)F74Z Y:DAB."80RW. YAX:D.F73W LA/M.I\$:P.F71+ NIQ:RF75BFH00?² MI70Y H"(IYR03 MI/M.IZ:RF80X CE73DEQ YIQ:RF)"74HW. L:/RAG:L/O92W? YIT."63N L:/PFNF70Y/W G.OWYIM03 W./M:LFKI74YM YA80R:D.: YIT."70N K.E75/(FPFR03 XAR:B./O80W K.:/QA71\$ NID.F73P QAS:T./O75W00?³ YIR:D.:P/"73M YA:(ABO74WR \$FLO92WM)O71RAX B.:/RAG:LF73Y/W LO71) YFBO75W)00?⁴ MI75Y-PF(A74L W:/)F&F80H QOR"71) HA/D.ORO73WT M"/RO92)\$?)ANI70Y Y:HWFH03 RI)\$O80WN W:/)ET-)AX:ARONI73YM)ANIY-H75W.)00?⁵ RF)70W.)IY.IYM03 W:/YIYRF80)W. Q:CO71WT HF)/F73REC YEX:ERF92DW. QFR:B73W. WA/Y.E):ETFY75W.N00?⁶)I71Y\$)ET-R"/("73HW. YA:(ZO92RW. W./L:/)FXI73Y/W YO)MA71R X:AZF75Q00?⁷ WA/Y:XAZ."70Q XFRF\$03)ET-COR"80P MAX:ALI71YQ P.A+.I73Y\$)ET-HO74WLEM P.F92(AM?)OM"70R LA/D.E33BEQ03 +O74WB H80W.) WA/Y:XAZ.:Q/"71HW. B:/MAS:M.RI73YM LO71) YIM.O75W+00⁸ W:/)AT.FH03 YI&:RF)"74L (AB:D./I80Y YA:(AQO73B):A\$E74R B.:XAR:T.I92Y/KF? ZE73RA()AB:RFHF71M)OH:AB/I75Y00?⁹):A\$E70R HEX:EZAQ:T.I33Y/KF03 MI/Q:CO74WT HF)/F80REC W./M"/)ACIYLE73Y/HF Q:RF)TI92Y/KF? WF)/O70MAR L:/KF03 (AB:D./IY-)A80T.FH B.:XAR:T.I73Y/KF W:/LO71) M:)AS:T.I75Y/KF00?¹⁰)AL-T.IYRF)03 K.I74Y (IM./:KF-)F80NIY)AL-T.I\$.T.F73(K.I75Y-)ANI74Y)ELOHE92Y/KF?)IM.AC:T.I33Y/KF03)AP:(AZAR:T.I80Y/KF)AP-T.:MAK:T.I73Y/KF B.I/YMI71YN CID:Q/I75Y00?¹¹ H"70N Y"BO33\$W.03 W:/YIK.F74L:M80W. K.O73L HA/N.EX:ERI74YM B./F92K: YI75H:Y71W. K:/)A91YIN W:/YO)B:D73W.)AN:\$"71Y RIYB/E75KF00?¹² T.:BAQ:\$/"M03 W:/LO74) TIM:CF)/"80M)AN:\$"73Y MAC.UT/E92KF? YIH:Y71W. K:/)A91YIN W./K:/)E73PES)AN:\$"71Y MIL:XAM:T./E75KF00?¹³ K.I81Y)ANI91Y Y:HWF71H)ELOHE73Y/KF MAX:AZI74YQ Y:MIYN/E92KF? HF)/OM"71R L:/KF91)AL-T.IYRF73))ANI71Y (:AZAR:T.I75Y/KF00¹⁴)AL-T.I75YR:)IY03 T.OWLA74(AT YA75:(AQO80B M:T"73Y YI&:RF)"92L?)ANI70Y (:AZAR:T.IY/K:03 N:)UM-Y:HWF80H W:/GO):AL/"73K: Q:DO71W\$ YI&:RF)"75L00?¹⁵ HIN."74H &AM:T.I81Y/K: L:/MOWRAG03 XFR74W.C XFDF80\$ B.A73(AL P.I75YPIY.O92WT? T.FD70W.\$ HFRIYM03 W:/TFDO80Q W./G:BF(O73WT K.A/M.O71C T.F&I75YM00?¹⁶ T.IZ:R/"M03 W:/R74W.XA T.I&F)/"80M W./S:(FRF73H T.FPI74YC

)OWT/F92M? W:/)AT.FH03 T.FGI74YL B.A75/YHWF80H B.I/Q:DO71W\$ YI&:RF)"73L
 T.IT:HAL.F75L00 17 HF/(:ANIY.I63YM W:/HF/)EB:YOWNI61YM M:BAQ:\$I71YM
 MA33YIM03 WF/)A80YIN L:\$OWN/F73M B.A/C.FMF74) NF\$F92T.FH?):ANI70Y
 Y:HWFH03)E(:EN/"80M):ELOH"71Y YI&:RF)"73L LO71))E(EZ:B/"75M00? 18)EP:T.A70X
 (AL-\$:PFYIYM03 N:HFRO80WT W./B:/TO71WK: B.:QF(O73WT MA(:YFNO92WT?
)F&I70YM MID:B.FR03 LA/):AGAM-MA80YIM W:/)E71REC CIY.F73H L:/MOWCF71)"Y
 MF75YIM00? 19)ET."70N B.A/M.ID:B.FR03)E74REZ \$I+.F80H WA/H:ADA73S W:/("74C
 \$F92MEN?)F&I74YM B.F/(:ARFBF81H B.:RO91W\$ T.ID:HF71R W./T:)A\$.73W.R
 YAX:D.F75W00? 20 L:MA94(AN YIR:~)74W. W:/Y"D:(81W. W:/YF&I70YMW.
 W:/YA&:K.I33YLW.03 YAX:D.F80W? K.I71Y YAD-Y:HWF73H (F74&:TFH Z.O92)T
 W./Q:DO71W\$ YI&:RF)"73L B.:RF/F75H.00 21 QFR:B71W. RI75YB:/KE73M YO)MA74R
 Y:HWF92H HAG.I33Y\$W.03 (:ACUMO74WT"Y/KE80M YO)MA73R? ME71LEK:
 YA(:AQO75B00? 22 YAG.I33Y\$W.03 W:/YAG.I74YDW. L/F80NW.)"73T):A\$E74R
 T.IQ:RE92YNFH? HF/RI)\$ONO74WT05 MF74H H"81N.FH HAG.I61YDW.
 W:/NF&I70YMFH LIB./"33NW.03? W:/N"D:(F74H)AX:ARIYT/F80N)O71W HA/B.F)O73WT
 HA\$:MIY(U75/NW.00? 23 HAG.I33YDW.03 HF)OTIY.O74WT L:/)FXO80WR
 W:/N"74D:(F80H K.I71Y):ELOHI73YM)AT.E92M?)AP-T."Y+I74YBW. W:/TFR"80(W.
 W:/NIS:T.F73(FH **W:/NIR:)E71H YAX:D.F75W00? 24 H"N-)AT.E74M M"/)A80YIN
 W./PF(FL:/KE73M M"/)F92PA(T.OW("BF73H YIB:XA71R B./FKE75M00?
 25 HA(IYRO70WTIY MI/C.FPOWN03 WA/Y.A80)T MI/M.IZ:RAX-\$E73ME\$ YIQ:RF74)
 BI/\$:MI92Y? W:/YFBO70) S:GFNIYM03 K.:MOW-XO80MER W./K:MO71W YOWC"73R
 YIR:MFS+I75Y+00? 26 MI75Y-HIG.I70YD M"/RO)\$03 W:/N"DF80(FH W./MI/L.:PFNI73YM
 W:/NO)MA74R CAD.I92YQ?)A74P)"YN-MAG.I81YD 10)AP)"74YN MA\$:MI80Y(A)A71P
)"YN-\$OM"73(A)IM:R"Y/KE75M00? 27 RI)\$O71WN L:/CIY.O73WN HIN."74H HIN./F92M
 W:/LI/YRW.\$FLA73IM M:BA&."71R)ET."75N00? 28 W:/)33RE)03 W:/)74YN)I80Y\$
 W./M"/)73L.EH W:/)74YN YOW("92C? W:/)E\$:FL/"73M W:/YF\$I71YBW. DFBF75R00
 29 H"74N K.UL./F80M)F71WEN?)E73PES MA(:A&"Y/HE92M R71W.XA WF/TO73HW.
 NIS:K."Y/HE75M00 42 1 H"70N (AB:D./IY03)ET:MFK:-B./O80W B.:XIYR/I73Y RFC:TF74H
 NAP:\$I92Y? NFTA70T.IY RW.X/IY03 (FLF80Y/W MIS:P.F73+ LA/G.OWYI71M
 YOWCI75Y)00? 2 LO71) YIC:(A73Q W:/LO74) YI&.F92) W:/LO75)-YA\$:MI71Y(A
 B.A/X73W.C QOWL/O75W00? 3 QFNE70H RFCW.C03 LO74) YI\$:B.O80WR W./PI\$:T.F71H
 K"HF73H LO74) Y:KAB./E92N.FH? LE/):EME73T YOWCI71Y) MIS:P.F75+00 4 LO70)
 YIK:HEH03 W:/LO74) YFR80W.C? (AD-YF&I71YM B.F)F73REC MIS:P.F92+
 W./L:/TOWRFT/O73W)IY.I71YM Y:YAX"75YLLW.00 5 K.O75H-/FMA62R HF/"74L05
 Y:HWF81H? B.OWR"70) HA/\$.FMA33YIM03 W:/NO74W+"Y/HE80M ROQA71(
 HF/)F73REC W:/CE):ECF)E92Y/HF? NOT"70N N:\$FMFH03 LF/(F74M (FLE80Y/HF
 W:/R73W.XA LA/HOL:KI71YM B./F75H.00? 6):ANI94Y Y:HWF91H Q:RF)TI71Y/KF75
 B:/CE73DEQ W:/)AX:Z"74Q B.:YFD/E92KF? W:/)EC.FR:/KF81 W:/)ET.EN:/KF91
 LI/B:RI71YT (F73M L:/O71WR G.OWYI75M00? 7 LI/P:QO73XA ("YNA74YIM
 (IW:RO92WT L:/HOWCI70Y) MI/M.AS:G."R03)AS.I80YR? MI/B."71YT K.E73LE)
 YO71\$:B"Y XO75\$EK:00 8):ANI71Y Y:HWF73H H74W.) \$:M/I92Y? W./K:BOWD/IY03
 L:/)AX"74R LO75)-)ET."80N W./T:HIL.FT/I73Y LA/P.:SIYLI75YM00? 9 HF/RI75)\$ONO73WT
 HIN."H-BF92)W. WA75/X:ADF\$OWT03):ANI74Y MAG.I80YD? B.:+E71REM
 T.IC:MA73X:NFH)A\$:MI71Y(A)2)ET/:KE75M00 10 \$I70YRW. LA75/YHWFH03 \$I74YR
 XFD80\$ T.:HIL.FT/O73W MI/Q:C"74H HF/)F92REC? YOWR:D"70Y HA/Y.FM03
 W./M:LO)O80W)IY.I73YM W:/YO\$:B"Y/HE75M00? 11 YI&:~)70W. MID:B.FR03
 W:/(FRF80Y/W X:AC"RI73YM T."\$74B Q"DF92R? YFRO33N.W.03 YO74\$:B"Y SE80LA(
 M"/RO71)\$ HFRI73YM YIC:WF75XW.00? 12 YF&I71YMW. LA75/YHWF73H K.FBO92WD
 W./T:HIL.FT/O73W B.F)IY.I71YM YAG.I75YDW.00? 13 Y:HWFH03 K.A/G.IB.O74WR
 Y"C"80) K.:)I71Y\$ MIL:XFMO73WT YF(I74YR QIN:)F92H? YFRI33Y(A03
)AP-YAC:RI80YXA (AL-)OY:BF73Y/W YIT:G.AB.F75R00 14 HEX:ES"33YTIY03
 M"75/(OWLF80M)AX:ARI73Y\$)ET:)AP.F92Q? K.A/Y.OWL"DF74H)EP:(E80H)E\$.O71M
 W:/)E\$:A73P YF75XAD00? 15)AX:ARI70YB HFRIYM03 W./G:BF(O80WT
 W:/KFL-(E&:B./F73M)OWBI92Y\$? W:/&AM:T.I70Y N:HFROWT03 LF95/)IY.I80YM
 WA/):AGAM.I73YM)OWBI75Y\$00? 16 W:/HOWLAK:T.I74Y (IW:RI81YM B.:/DE33REK:03
 LO74) YFDF80(W. B.I/N:TIYBO71WT LO75)-YFD:(73W.?)AD:RIYK/"92M?)F&IYM04
 MAX:\$F63K: LI/P:N"Y/HE61M LF/)O81WR W./MA75(:AQAS.IYM03 L:/MIY\$O80WR?

10)"L.EH HA/D.:BFRI80YM (:A&IYTI73/M W:/LO71) (:AZAB:T.I75Y/M00? 17 NFSO70GW.
)FXOWR03 Y"BO74\$W. BO80\$ET HA/B.O+:XI73YM B.A/P.F92SEL? HF/)OM:RI71YM
L:/MAS."KF73H)AT.E71M)E:LOH"75Y/NW.00 18 HA/X"R:\$I73YM \$:MF92(W.
W:/HA/(IW:RI73YM HAB.I71Y+W. LI/R):O75WT00? 19 MI70Y (IW:"R03 K.I74Y
)IM-(AB:D./I80Y W:/X"R"73\$ K.:MAL:)FK/I74Y)E\$:LF92X? MI70Y (IW."R03
K.I/M:\$UL.F80M W:/IW."73R K.:(E71BED Y:HWF75H00? 20 **RF)O71WT RAB.O73WT
W:/LO74) TI\$:MO92R P.FQO71WXA)FZ:NA73YIM W:/LO71) YI\$:MF75(00? 21 Y:HWF71H
XFP"73C L:MA74(AN CID:Q/O92W YAG:D.I71YL T.OWRF73H W:/YA):D.I75YR00?
22 W:/HW.)02 (AM-B.FZ74W.Z W:/SFSW.Y01? HFP"70XA B.A75/XW.RIYM03 K.UL./F80M
W./B/BFT."71Y K:L)I73YM HFX:B.F92)W.? HFY70W. LF/BAZ03 W:/)"74YN MAC.I80YL
M:\$IS.F73H W:/)"YN-JOM"71R HF\$A75B00? 23 MI71Y B/FKE73M YA:AZI74YN ZO92)T
YAQ:\$I71B W:/YI\$:MA73(L:/)FXO75WR00? 24 MI75Y-NFTA63N **LI/M:\$IS.F94HJ3
YA:(AQO91B W:/YI&:RF)"71L L:/BOZ:ZI73YM? H:A/LO74W) Y:HWF92H 10ZW.
XF+F74)NW. L/O80W? W:/LO75)-)FB70W. BI/D:RFKfy/W03 HFLO80WK: W:/LO71)
\$FM:(73W. B.:/TOWRFT/O75W00? 25 WA/Y.I\$:P.O70K: (FLFY/W03 X"MF74H)AP./O80W
WE/(:EZ73W.Z MIL:XFMF92H? WA/T.:LAH:A+/"70HW. MI/S.FBIYB03 W:/LO74) YFDF80(
WA/T.IB:(AR-B./O73W W:/LO)-YF&I71YM (AL-?L"75B00 43 1 W:/AT.F62H
K.O75H-)FMA70R Y:HWFH03 B.ORA):AKF74 YA:(AQO80B W:/YOCER:/KF73
YI&:RF)"92L?)AL-T.IYRF)03 K.I74Y G):AL:T.I80Y/KF QFRF71)TIY B:/SIM:/KF73
L/IY-)F75T.FH00? 2 K.I75Y-TA(:ABO70R B.A/M.A33YIM03)IT./:KF-)F80NIY
W./BA/N.:HFRO73WT LO74) YI\$:+P92W./KF? K.I75Y-T"L"70K: B.:MOW-)"\$03 LO74)
TIK.FWE80H W:/LEHFBF73H LO71) TIB:(AR-B./F75K:00? 3 K.I81Y):ANIY03 Y:HWF74H
):ELOHE80Y/KF Q:DO71W\$ YI&:RF)"73L MOW\$YI(/E92KF? NFTA70T.IY KFP:R:/KF03
MIC:RA80YIM K.71W.\$ W:/S:BF73) T.AX:T.E75Y/KF00? 4 M"):ASE63R YFQA94R:T.F
B:/)"YN/A91Y NIK:B.A73D:T.F WA):ANI74Y):AHAB:T.I92Y/KF? W:/)ET."70N)FDFM03
T.AX:T.E80Y/KF W:/L:)UM.I73YM T.A71XAT NAP:\$E75KF00? 5)AL-T.IYRF73) K.I74Y
)IT./:KF-)F92NIY? MI/M.IZ:RFX03)FBI74Y) ZAR:(E80KF W:/MI75/M.A(:ARF73B
):AQAB.:C/E75K.F00? 6)OMA70R LA/C.FPOWN03 T."80NIY W./L:/T"YMF73N
)AL-T.IK:LF92)IY? HFBI70Y)IY BFN/AY03 M"/RFXO80WQ W./B:NOWT/A73Y
MI/Q:C"71H HF/)F75REC00? 7 10K.OL HA/N.IQ:RF74) BI/\$:M/I80Y W:/LI/K:BOWD/I73Y
B.:RF)TI92Y/W Y:CAR:T.I73Y/W)AP-(:A&IYTI75Y/W00? 8 HOWCI71Y) (AM-(IW."73R
W:/)"YNA74YIM Y"92\$ W:/X"R:\$I73YM W:/)FZ:NA71YIM L/F75MOW00?
9 K.F75L-HA/G.OWYI62M NIQ:B.:C74W. YAX:D.F81W W:/Y)"F75S:PW.03 L:)UM.I80YM?
MI70Y B/FHEM03 YAG.I74YD ZO80)T W:/RI75)\$ONO73WT YAS:MIY(U92/NW.?
YIT.:N70W. ("75D"Y/HEM03 W:/YIC:D.F80QW. W:/YI\$:M:(73W. W:/YO)M:R71W.
):EME75T00? 10)AT.E70M ("D/AY03 N:)UM-Y:HWF80H W:/:(AB:D./I73Y):ASE74R
B.FXF92R:T.IY? L:MA74(AN 14T."D:(W. W:/TA):AMI63YNW. L/I70Y W:/TFBI33YNW.03
K.I75Y-):ANI74Y H80W.)? L:/PFN/AY03 LO)-NO74WCAR)"80L W:/)AX:AR/A73Y LO71)
YIH:YE75H00 11)FNOKI71Y)FNOKI73Y Y:HWF92H W:/)"71YN MI/B.AL:(FD/A73Y
MOW\$175Y(A00? 12)FNOKI62Y HIG.A70D:T.IY W:/HOW\$A33(:T.IY03 W:/HI\$:MA80(:T.IY
W:/)"71YN B./FKE73M ZF92R? W:/)AT.E71M ("D/A91Y N:)UM-Y:HWF73H
WA75/):ANIY-)"75L00 13 G.AM-MI/Y.OWM03):ANI74Y H80W.)? W:/)"71YN MI/Y.FD/I73Y
MAC.I92YL)EP:(A73L W./MI71Y Y:\$IYB/E75N.FH00 14 K.O75H-)FMA94R Y:HWF91H
G.O)AL:/KE73M Q:DO74W\$ YI&:RF)"92L? L:MA(AN:/KE62M \$IL.A74X:T.IY BFBE81L/FH
W:/HOWRAD:T.I70Y BF75/RIYXIYM03 K.UL./F80M? W:/KA&:D.I73YM
B.F):FNIY.O71WT RIN.FT/F75M00? 15):ANI71Y Y:HWF73H Q:DO75W\$:KE92M
B.OWR"71) YI&:RF)"73L MAL:K./:KE75M00 16 10K.OH)FMA74R Y:HWF80H
HA/N.OWT"71N B.A/Y.F73M D.F92REK: W./B:/MA71YIM (AZ.I73YM N:TIYBF75H00?
17 HA/M.OWCI71Y) RE75KEB-WF/S73W.S XA74YIL W:/IZ.92W.Z YAX:D.F70W?
YI\$:K.:BW.03 B.AL-YFQ80W.MW. D.F:(AK73W. K.A/P.I\$:T.F71H KFB75W.00?
18)A75L-T.IZ:K.:R73W. RI75)\$ONO92WT W:/QAD:MONIY.O73WT
)AL-T.IT:B.ONF75NW.00? 19 HIN:/NI63Y (O&E70H X:ADF\$FH03 (AT.F74H TIC:MF80X
H:A/LO73W) T"75DF(92W./HF?)A74P)F&I70YM B.A/M.ID:B.FR03 D.E80REK:
B.I75/Y\$IMO73WN N:HFRO75WT00? 20 T.:KAB.:D/"33NIY03 XAY.A74T HA/&.FDE80H
T.AN.I73YM W./B:NO74WT YA75(:ANF92H? K.I75Y-NFTA63T.IY BA/M.ID:B.F61R
MA81YIM N:HFROWT03 B.I75/Y\$IYMO80N? L:/HAS:QO73WT (AM./I71Y B:XIYR/I75Y00
21 (AM-ZW.03 YFCA74R:T.IY L/I80Y? T.:HIL.FT/I73Y Y:SAP."75RW.00 22 W:/LO)-)OT/I71Y

QFRF73)TF YA75(:AQO92B K.I75Y-YFGA71(:T.F B./I73Y YI&:RF)"75L00?
²³ LO75)-H"B"70Y)TF L./IY03 &"74H (OLOTE80Y/KF W./Z:BFXE73Y/KF LO74)
 KIB.AD:T.F92/NIY? LO70) HE:(EBAD:T.I33Y/KF03 B.:/MIN:XF80H W:/LO71)
 HOWGA(:T.I73Y/KF B.I/L:BOWNF75H00? ²⁴ LO)-QFNI63YTF L./I70Y BA/K.E33SEP03
 QFNE80H W:/X"71LEB Z:BFXE73Y/KF LO74) HIR:WIYT/F92NIY?)A81K:
 HE:(EBAD:T./A33NIY03 B.:/XA+.O)WTE80Y/KF HOWGA(:T./A73NIY
 B.A/(:AWONOTE75Y/KF00 ²⁵)FNOKI63Y)FNOKI71Y H91W.) MOXE71H P:\$F(E73Y/KF
 L:MA(:AN/I92Y W:/XA+.O)TE73Y/KF LO71)?)EZ:K.O75R00? ²⁶ HAZ:K.IYR/"85NIY
 NI\$.FP:+F73H YF92XAD SAP."71R)AT.F73H L:MA71(AN T.IC:D.F75Q00? ²⁷)FBI71Y/KF
 HF/RD)S073WN XF+F92) W./M:LIYCE73Y/KF P.F71\$:(W. B/I75Y00? ²⁸ WA):AXAL."73L
 &F74R"Y QO92DES W:/)ET.:NF70H LA/X"33REM03 YA(:AQO80B W:/YI&:RF)"73L?
 L:/GID.W.PI75YM00 **44** ¹ W:/AT.F71H \$:MA73(YA(:AQO74B (AB:D./I92Y
 W:/YI&:RF)"73L B.FXA71R:T.IY B/O75W00? ² K.OH-)FMA63R Y:HWF71H (O&/E91KF
 W:/YOCER:/KF71 MI/B.E73+EN YA(:Z:R/E92K.F?)AL-T.IYRF)03 (AB:D./I74Y
 YA75(:AQO80B WI/Y\$UR73W.N B.FXA71R:T.IY B/O75W00? ³ K.I70Y)EC.FQ-MA33YIM03
 (AL-CFM"80) W:/NOZ:LI73YM (AL-YAB.F\$F92H?)EC.O70Q RW.X/IY03 (AL-ZAR:(/E80KF
 W./BIR:KFT/I73Y (AL-CE):ECF)E75Y/KF00? ⁴ W:/CFM:X73W. B.:/B"74YN XFCI92YR
 K.A/(:ARFBI73YM (AL-YIB:L"Y-MF75YIM00? ⁵ ZE70H YO)MAR03 LA75/YHWF74H
)F80NIY W:/ZE73H YIQ:RF74) B:\$"75M-YA(:AQO92B? W:/ZE81H YIK:T.O70B YFD/OW03
 LA75/YHWF80H W./B:\$"71M YI&:RF)"73L Y:KAN.E75H00 ⁶ K.O75H-)FMA63R
 Y:HWF94H ME75LEK:-YI&:RF)"91L W:/GO):AL/O73W Y:HWF74H C:BF)O92WT?
):ANI70Y RI)\$OWN03 WA):ANI74Y)AX:ARO80WN W./MI/B.AL:(FD/A73Y)"71YN
):ELOHI75YM00? ⁷ W./MI75Y-KFMO74W/NIY YIQ:RF81) W:/YAG.IYD/E70HF
 W:/YA(:R:K/E33HF03 L/I80Y? MI/&.W.MI73Y (AM-(OWLF92M W:/)OTIY.O91WT
 WA):A\$E71R T.FBO73)NFH YAG.I71YDW. L/F75MOW00? ⁸)A75L-T.IP:X:ADW.03
 W:/)AL-T.IR:H80W. H:A/LO71) M"/)F91Z HI\$:MA(:T.I71Y/KF W:/HIG.A73D:T.IY?
 W:/)AT.E74M ("D/F92Y H:A/Y"70\$):ELO33WH.A03 MI/B.AL:(FD/A80Y W:/)71YN
 C73W.R B.AL-YFDF75(:T.IY00? ⁹ YO75C:R"Y-PE70SEL K.UL./FM03 T.O80HW.
 WA/X:AMW.D"Y/HE73M B.AL-YOW(I92YLW.? W:/("D"Y/HE74M H"8152M.F52H52)4
 B.AL-YIR:91W. W./BAL-Y"D:(73W. L:MA71(AN Y"BO75\$W.00? ¹⁰ MI75Y-YFCA71R)"73L
 W./PE74SEL NFSF92K: L:/BIL:T.I73Y HOW(I75YL00? ¹¹ H"70N K.FL-X:AB"RFY/W03
 Y"BO80\$W. W:/XFRF\$171YM H"73M.FH M"75)/FDF92M? YI75T:QAB.:C70W. KUL./FM03
 YA75(:AMO80DW. YIP:X:AD73W. Y"BO71\$W. YF75XAD00? ¹² XFRA70\$ B.AR:ZEL03
 MA75(:ACF80D W./PF(AL03 B.A/P.EXF80M? W./BA/M.AQ.FBO73WT YIC.:R/"92HW.
 WA/Y.IP:(FL/"33HW.03 B.I/Z:RO74W(A K.OX/O80W? G.AM-RF("B03 W:/)74YN K.O80XA
 LO)-\$F71TFH MA73YIM WA/Y.IY(F75P00? ¹³ XFRA74\$ ("CIYM02 NF74+FH QFW01
 Y:TF):AR/"74HW. BA/&.E80RED? YA(:A&/"33HW.03 B.A/M.AQ:CU(O80WT
 W./BA/M.:XW.GF73H Y:TF):FR/"92HW.? WA75/Y.A(:A&/"33HW.03 K.:/TAB:NI74YT
)I80Y\$ K.:/TIP:JE71RET)FDF73M LF/\$E71BET B.F75YIT00? ¹⁴ LI/K:RFT-L/O74W
):ARFZI80YM WA/Y.IQ.A70X T.IR:ZFH03 W:/)AL.O80WN? WA/Y:)AMEC-L/O73W
 B.A/(:AC"Y-YF92(AR NF+A71()O73REN]6 W:/GE71\$EM Y:GAD."75L00? ¹⁵ W:/HFYF70H
 L:/)FDFM03 L:/BF("80R WA/Y.IQ.A70X M"/HEM03 WA/Y.F80XFM)AP-YA&.I73YQ
 W:/)F74PFH LF92XEM?)AP-YIP:(AL-)"L03 WA/Y.IS:T.F80XW. (F&/F71HW. PE73SEL
 WA/Y.IS:G.FD-L/F75MOW00? ¹⁶ XEC:Y/OW03 &FRA74P B.:MOW-)80\$ (AL-XEC:Y/OW03
 B.F&F74R YO)K"80L YIC:LE71H CFLI73Y? W:/YI&:B.F92(?))AP-YFXOM03
 W:/YO)MA74R HE)F80X XAM.OWTI73Y RF)I71YTIY)75W.R00? ¹⁷ W./\$):"74RIYT/O80W
 L:/)71L (F&F73H L:/PIS:L/O92W **YIS:G.FD-L/O70W W:/YIS:T.A33XW.03?
 W:/YIT:P.AL."74L)"LF80Y/W W:/YO)MAR03 HAC.IYL/"80NIY K.I71Y)"L/I73Y
)F75T.FH00? ¹⁸ LO71) YFD:(73W. W:/LO74) YFB92YNW. K.I74Y +A70X M"75/R:)OWT03
 ("75YN"Y/HE80M M"/HA&:K.I73YL? LIB.OT/F75M00? ¹⁹ W:/LO)-YF\$174YB
)EL-LIB./O81W W:/LO63) DA71(AT W:/LO75)-T:BW.NFH02 L"/)MOR01 XEC:Y/O62W
 &FRA74P:T.IY B:MOW-)81\$ 14W:/)AP)FPI70YTIY (AL-G.EXFLFY/W03 LE80XEM
)EC:LE71H? BF&F73R W:/)OK"92L? W:/YIT:R/OW03 L:/TOW("BF74H)E:(E&E80H
 L:/B71W.L ("73C)ES:G.O75WD00? ²⁰ RO(E74H)"80PER L"71B HW.TA73L HI+./F92HW.
 W:/LO75)-YAC.I70YL)ET-NAP:\$/OW03 W:/LO74)? YO)MA80R H:A/LO71W) \$E73QER
 B.I/YMIYN/I75Y00 ²¹ Z:KFR-)74L.EH YA(:AQO80B W:/YI&:RF)"73L K.I74Y
 (AB:D./IY)-F92T.FH? Y:CAR:T.I70Y/KF (E75BED-L/IY03)A80T.FH YI&:RF)"73L LO71)

TIN.F\$/75NIY00? 22 MFXI70YTIY KF/(FB03 P.:\$F(E80Y/KF W:/KE/(FNF73N
 XA+.O)WTE92Y/KF? \$W.BF71H)"L/A73Y K.I71Y G:)AL:T.I75Y/KF00? 23 RFN.63W.
 \$FMA61YIM K.I75Y-(F&F74H Y:HWF81H HFRI33Y(W.03 T.AX:T.IY.O74WT)F80REC?
 P.IC:X70W. HFRIYM03 RIN.F80H YA73(AR W:/KFL-("74C B./O92W? K.I75Y-GF)A70L
 Y:HWFH03 YA75(:AQO80B W./B:/YI&:RF)"73L YIT:P.F)F75R00 24 K.O75H-)FMA70R
 Y:HWFH03 G.O):AL/E80KF W:/YOCER:/KF73 MI/B.F92+EN?)FNOKI70Y Y:HWFH03
 (O74&EH K.O80L? NO+E70H \$FMA33YIM03 L:/BAD./I80Y ROQA71(HF/)F73REC
 **M"/)IT./I75Y00? 25 M"P"R03)OTO74WT B.AD.I80YM W:/QOS:MI73YM Y:HOWL"92L?
 M"\$I94YB X:AKFMI91YM)FXO73WR W:/DA:(T./F71M Y:&AK."75L00? 26 M"QIYM03
 D.:BA74R (AB:D./O80W WA:(ACA71T MAL:)FKF73Y/W YA\$:LI92M? HF/)OM"63R
 LI/YRW.\$FLA61M T.W.\$F81B W./L:(FR"70Y Y:HW.DFH03 T.IB.FNE80YNFH
 W:/XFR:BOWTE73Y/HF?):AQOWM"75M00? 27 HF/)OM"71R LA/C.W.LF73H X:FRF92BIY
 W:/NAH:AROTA73Y/IK:)OWBI75Y\$00? 28 HF/)OM"70R L:/KO33WRES\$03 RO(/I80Y
 W:/KFL-XEP:C/I73Y YA\$:LI92M? W:/L"/)MO70R LI/YRW.\$FLA33IM03 T.IB.FNE80H
 W:/H"YKF73L T.IW.FS"75D00 45 1 K.OH-K.OH-)FMA74R)FMA74R Y:HWFH02
 Y:HWFH02 LI/M:\$IYX/OW02 LI/M:\$IYX/OW02 BI75/YMIYN/O81W? L:/KO74WRES
 L:/RAD-):A\$ER-L:/PFNFY/W03 HEX:EZA74Q:T.IY G.OWYI80M BI75/YMIYN/O81W?
 W:/MFT:N"71Y L:/RAD-M:LFKI73YM L:/PFNFY/W03):APAT."92XA? G.OWYI80M
 LI/P:T.O70XA W:/MFT:N"71Y L:/PFNFY/W03 M:LFKI73YM D.:LFTA80YIM
):APAT."92XA? W./\$(FRI73YM LI/P:T.O70XA LO71) L:/PFNFY/W03 YIS.FG"75RW.00?
 D.:LFTA80YIM W./\$(FRI73YM LO71) YIS.FG"75RW.00? 2)ANIY03 L:/PFNE74Y/KF
)"L"80K: WA/H:ADW.RI73YM *):AYA\$. "92R? D.AL:TO70WT N:XW.\$FH03):A\$AB."80R
 W./B:RIYX"71Y BAR:ZE73L):AGAD."75(A00? 3 W:/NFTAT.I70Y L:/KF03)OWC:RO74WT
 XO80\$EK: W./MA+:MUN"73Y MIS:T.FRI92YM? L:MA74(AN T."DA81(K.I75Y-):ANI94Y
 Y:HWF91H HA/Q.OWR"71) B:\$/SIM:/KF73):ELOH"71Y YI&:RF)"75L00? 4 L:MA33(AN03
 (AB:D./I74Y YA:(AQO80B W:/YI&:RF)"73L B.:XIYR/I92Y? WF/)EQ:RF70) L:/KF03
 B.I/\$:M/E80KF):AKAN./:KF73 W:/LO71) Y:DA:(T./F75NIY00? 5):ANI70Y Y:HWFH03
 W:/)74YN (O80WD ZW.LFT/I73Y)"74YN):ELOHI92YM?):A)AZ.ER:/KF73 W:/LO71)
 Y:DA:(T./F75NIY00? 6 L:MA74(AN Y"D:(81W. MI/M.IZ:RAX-\$E33ME\$03
 W./MI/M.A74(:ARFBF80H K.IY-)E73PES B.IL:(FD/F92Y?):ANI71Y Y:HWF73H W:/)71YN
 (O75WD00? 7 YOWC"71R)OWR03 W./BOWR"74) XO80\$EK: (O&E71H \$FLO73WM
 W./BO74WR") RF92():ANI71Y Y:HWF73H (O&E71H KFL-)"75L.EH00 8 HAR:(I70YPW.
 \$FMA33YIM03 MI/M.A80(AL W./\$:XFQI73YM YIZ.:LW.-CE92DEQ? T.IP:T.AX-)/E74REC
 W:/YIP:RW.-YE81XA(? W./C:DFQF70H TAC:MI33YXA03 YA80XAD):ANI71Y Y:HWF73H
 B.:RF)TI75Y/W00 9 HO81WY 10RFB)ET-YO74C:R/O80W XE73RE&)ET-XAR:&"74Y
):ADFMF92H? H:A/YO)MA63R]2 XO70MER L:/YO75C:R/OW03 MA75H-T.A:(A&E80H
 W./PF(FL:/KF73)"YN-YFDA71YIM L/O75W00 10 HO91WY)OM"71R L:/)F73B
 MAH-T.OWLI92YD W./L:/)I\$.F73H MAH-T.:XIYLI75YN00 11 K.O75H-)FMA94R Y:HWF91H
 Q:DO71W\$ YI&:RF)"73L W:/YOC:R/O92W? HF/)OTIY.O74WT \$:/FL80W./NIY
 (AL-B.FN/A91Y W:/AL-P.O71(AL YFD/A73Y T.:CAW.U75/NIY00? 12)F75NOKIY03
 (F&I74YTIY)E80REC W:/)FDF73M (FLE74Y/HF BFRF92)TIY?):ANI81Y YFD/AY03
 NF+74W. \$FMA80YIM W:/KFL-C:BF)/F73M CIW."75YTIY00? 13)FNOKIY03
 HA(IYROT174/H75W. B:/CE80DEQ W:/KFL-D.:RFKF73Y/W):AYA\$. "92R?
 H75W.)-YIB:NE70H (YR/IY03 W:/GFLW.T/I74Y Y:\$AL."80XA? LO70) BI/M:XIYR03
 W:/LO74) B:YO80XAD)FMA73R Y:HWF71H C:BF)O75WT00 14 K.O74H05)FMA74R
 Y:HWF81H? Y:GI63Y(A MIC:RA71YIM W.95/S:XAR-K.W.\$02 W./S:BF)IYM02)AN:\$"74Y
 MID.FH01? (FLA70Y/IK: YA:(ABO33RW.03 W:/L/F74K: YI75H:Y80W.)AX:ARA74Y/IK:
 Y"L"80KW. B.A/Z.IQ.I73YM YA:(ABO92RW.? W:/)LA70Y/IK: YI75\$:T.AX:AW.W.03]1
)"LA74Y/IK: YIT:P.AL.F80LW.?)A74K: B./F71K:)"91L W:/)71YN (O73WD)E71PES
):ELOHI75YM00? 15)FK"85N)AT.F73H)"74L MIS:T.AT."92R):ELOH"71Y YI&:RF)"73L
 MOW\$175Y(A00? 16 B.O71W\$W. W:/GA75M-NIK:L:M73W. K.UL./F92M YAX:D.FW03
 HFL:K74W. BA/K.:LIM.F80H XFRF\$"73Y CIYRI75YM00? 17 YI&:RF)"L03 NOW\$A74(
 B.A/YHWF80H T.:\$W.(A73T (OWLFMI92YM? LO)-T"BO71\$W. W:/LO)-TIK.FL:M73W.
 (AD-(O71WL:M"Y (A75D00 18 K.I74Y KO74H)F75MAR-14Y:HWFH B.OWR"63)
 HA/\$.FMA61YIM H74W.) HF/):ELOHI81YM? YOC"63R HF/)F70REC W:/O&F/H.03 H74W.)
 KO75WN:N/F80H.? LO)-TO71HW. B:RF)/F73H. LF/\$E74BET Y:CFR/F92H.?):ANI71Y
 Y:HWF73H W:/)71YN (O75WD00? 19 LO94) BA/S."74TER D.IB.A81R:T.IY B.I/M:QOWM03

)E74REC XO80\$EK:? LO71))FMA91R:T.IY L:/ZE71RA(YA:(AQO73B T.O74HW.
 BAQ:.\$92W./NIY?):ANI70Y Y:HWFH03 D.OB"74R CE80DEQ MAG.I73YD
 M"Y\$FRI75YM00? 20 HIQ.FB:C71W. WF/BO91)W. HI75T:NAG:.\$71W. YAX:D.F73W
 P.:LIY+"74Y HA/G.OWYI92M? LO74) YFD:(81W. HA/N.O75&:IYM03)ET-"74C
 P.IS:L/F80M? W./MIT:P.AL:LI80YM)EL-)73L LO71) YOW\$I75Y(A00? 21 HAG.I74YDW.
 W:/HAG.I80Y\$W.)A71P YI75W.F:(AC73W. YAX:D.F92W? MI74Y HI\$:MIY(A04 ZO63)T
 MI/Q.E61DEM M"/)F74Z HIG.IYD/F81H.? H:A/LO63W)):ANI70Y Y:HWFH03
 W:/)75YN-(O70WD):ELOHIYM03 MI/B.AL:(FD/A80Y?)"75L-CAD.I74YQ
 W./MOW\$I80Y(A)A73YIN ZW.LFT/I75Y00? 22 P.:NW.-)"L/A71Y W:/HIW.F\$:(73W.
 K.FL-)AP:S"Y-)F92REC? K.I71Y):ANI70Y)73L W:/)71YN (O75WD00 23 B./I74Y
 NI\$:B.A80(T.IY? YFCF63) MI/P./I94Y C:DFQF91H D.FBF73R W:/LO74) YF\$92W.B?
 K.IY-L/IY03 T.IK:RA74(K.FL-B.E80REK: T.I\$.FBA73(K.FL-LF\$O75WN00? 24)A94K:
 B.A/YHWF91H L/I71Y)FMA73R C:DFQO74WT WF/(O92Z? (FDFY/W03 YFBO74W)
 W:/Y"BO80\$W. K.O73L HA/N.EX:ERI71YM B./O75W00? 25 B.A/YHWF91H YIC:D.:Q71W.
 W:/YI75T:HAL:L73W. K.FL-ZE71RA(YI&:RF)"75L00? 46 1 K.FRA71(B."L03 QOR"74S
 N:BO80W HFYW.03 (:ACAB."Y/HE80M? LA/XAY.F73H W:/LA/B.:H"MF92H
 N:&UOT"Y/KE74M (:AMW.SO80WT MA&.F73) LA/(:AY"PF75H00? 2 QFR:S70W.
 KF75R:(W.03 YAX:D.F80W LO71) YFK:L73W. MAL."74+ MA&.F92)? W:/NAP:\$/F73M
 B.A/\$.:BI71Y HFLF75KFH00 3 \$IM:(70W.)"L/AY03 B."74YT YA:(AQO80B
 W:/KFL-\$:)RI73YT B."74YT YI&:RF)"92L? HA75/(:AMUSIYM03 MI/N.IY-BE80+EN
 HA/N.:&U)I73YM MI/N.IY-RF75XAM00? 4 W:/(:AD-ZIQ:NFH03):ANI74Y H80W.)
 W:/(:AD-&"YBF73HJ2):ANI74Y)ES:B.O92L?):ANI70Y (F&I33YTIY03 WA):ANI74Y
)E&.F80) WA):ANI71Y)ES:B.O73L WA):AMAL."75+00 5 L:/MI71Y T:DAM:Y73W./NIY
 W:/TAS:W92W. W:/TAM:\$IL73W./NIY W:/NID:ME75H00? 6 HA/Z.FLI70YM ZFHFB03
 MI/K.I80YS W:/KE73SEP B.A/Q.FNE74H YI\$:QO92LW.? YI&:K.:R70W. COWR"P03
 W:/YA:(A&/"74HW.)"80L YIS:G.:D73W.)AP-YI75\$:T.AX:AW.75W.00?]1 7 14YI&.F)U/HW.
 (AL-K.FT"63P YIS:B.:LU61/HW. W:/YAN.IYXU70/HW. TAX:T.FY/W03
 W:/YA75(:AMO80D? MI/M.:QOWM/O73W LO74) YFMI92Y\$?)AP-YIC:(A70Q)"LFY/W03
 W:/LO74) YA:(ANE80H MI/C.FRFT/O73W LO71) YOW\$YI/(E75N.W.00 8 ZIK:RW.-ZO73)T
 W:/HIT:)O\$F92\$W. HF\$I71YBW. POW\$:(I73YM (AL-L"75B00? 9 ZIK:R71W. RI)\$ONO73WT
 M"/(OWLF92M? K.I74Y)FNOKI71Y)"L03 W:/)74YN (O80WD):ELOHI73YM W:/)E71PES
 K.FMO75W/NIY00? 10 MAG.I70YD M"75/R)"\$IYT03)AX:ARI80YT W./MI/Q.E73DEM
):A\$E74R LO)-NA:(A&92W.?)OM"R03 (:ACFT/I74Y TFQ80W.M W:/KFL-XP.C/I73Y
)E:(E&E75H00? 11 QOR"70) MI/M.IZ:RFX03 (A80YI+ M"/)E71REC MER:XF73Q)I74Y\$
 **(:ACFT/I92Y?)AP-D.IB.A33R:T.IY03)AP-):ABIY)/E80N.FH YFCA73R:T.IY
)AP-)E:(E&E75N.FH00 12 \$IM:(71W.)"L/A73Y)AB.I74YR"Y L"92B HFR:XOWQI73YM
 MI/C.:DFQF75H00? 13 Q"RA70B:T.IY CID:QFT/IY03 LO74) TIR:XF80Q W:/T:\$W.(FT/I73Y
 LO74) T):AX"92R? W:/NFTAT.I70Y B:/CIY.OWN03 T.:\$W.(F80H L:/YI&:RF)"73L
 T.IP:):AR:T./I75Y00 47 1 R:DI74Y05 W:/\$.BI74Y (AL-(FPF81R B.:TW.LAT03
 B.AT-B.FBE80L? \$:BIY-LF)F71REC)"YN-K.IS."73) B.AT-K.A&:D.I92YM? K.I74Y LO70)
 TOWSI33YPIY03 YIQ:R:)W.-L/F80K: RAK.F73H WA/(:ANUG.F75H00? 2 Q:XI71Y
 R"XA73YIM W:/+A74X:ANIY QF92MAX G.AL.I63Y CAM.FT/"94K:? XE&:P.IY-\$O91BEL
 G.AL.IY-\$O73WQ (IB:RI71Y N:HFRO75WT00? 3 T.IG.FL03 (ER:WFT/"80K: G.A71M
 T."RF)E73H XER:P.FT/"92K:? NFQF74M)EQ.F80X W:/LO71))EP:G.A73()FDF75M00
 4 G.O):AL/"85NW. Y:HWF71H C:BF)O73W Q:M/O92W Q:DO73W\$ YI&:RF)"75L00?
 5 \$:BI71Y DW.MF91M W./BO71)IY BA/XO73\$EK: B.AT-K.A&:D.I92YM? K.I74Y LO70)
 TOWSI33YPIY03 YIQ:R:)W.-L/F80K: G.:BE73RET MAM:LFKO75WT00? 6 QFCA74P:T.IY
 (AL-(AM./I81Y XIL.A33L:T.IY03 NAX:ALFT/I80Y? WF)ET.:N/"73M B.:YFD/"92K:
 LO)-&A70M:T.: L/FHEM03 RAX:AMI80YM? (AL-ZFQ"85N HIK:B.A71D:T.: (UL/"73K:
 M):O75D00? 7 WA/T.O74)M:RI80Y L:/(:OWLF73M)EH:YE74H G:BF92RET (A74D?
 LO)-&A71M:T.:)"33L.EH03 (AL-LIB./"80K: LO71) ZFKA73R:T.:)AX:ARIYT/F75H.00
 8 W:/(:AT.F62H \$IM:(IY-ZO70)T (:ADIYNFH03 HA/Y.OW\$E74BET LF/BE80+AX?
 HF)O75M:RFH03 B.I/L:BF80B/FH.):ANI73Y W:/)AP:S/I74Y (O92WD? LO70))"B03
)AL:MFNF80H W:/LO71))"DA73(\$:KO75WL00? 9 W:/TFBO)NFH04 L./F63K:
 \$:T."Y-)71L.EH RE91GA(B.:YO71WM)EXF73D? \$:KO74WL W:/)AL:MO92N
 K.:TUM./FM03 B.F74)W. (FLA80Y/IK:? B.:RO74B K.:\$FPA80Y/IK: B.:/FC:MA71T
 X:ABFRA73Y/IK: M):O75D00? 10 WA/T.IB:+:XI74Y B:/RF(FT/"81K:)FMAR:T.:03)"74YN

RO)/F80NIY? XFK:MFT/"71K: W:/DA:(T/"73K: HI74Y) \$OWB:BF92T/EK:? WA/T.O)M:RI74Y B:/LIB/"80K:):ANI73Y W:/)AP:S/I71Y (O75WD00? 11 W:/BF94) (FLA74Y/IK: RF(F81H LO70) T"D:(IY03 \$AX:R/F80H.? W:/TIP.O70L (FLA33Y/IK:03 HOWF80H LO71) TW.K:LI73Y K.AP.:R/F92H.? W:/TFBO63) (FLA94Y/IK: P.IT:)O91M SOW)F73H LO71) T"DF75(IY00? 12 (IM:DIY-NF70) BA/X:ABFRA33Y/IK:03 W./B:/RO74B K.:\$FPA80Y/IK:? B.A.):A\$E71R YFGA73(AT.: MI/N.:(W.RF92Y/IK:?)W.LA91Y T.W.K:LI71Y HOW(I73YL)W.LA71Y T.A:(ARO75WCY00? 13 NIL:)"73YT B.:RO74B (:ACFTF92Y/IK: YA(AM:DW.-NF63)? W:/YOW\$Y(U61/K: **HOB:R"74Y \$FMA81YIM HA75/XOZIYM03 B.A./K.O74WKFB180YM? MO75WDIY(IM03 LE/X:FD\$F80YM M"):A\$E71R YFBO73)W. (FLF75Y/IK:00? 14 HIN."63H HFY70W. K:/QA\$03)"74\$ &:RFPF80T/AM? LO75)-YAC.I71Y/LW.)ET-NAP:\$/F73M MI/Y.A74D LE75HFBF92H?)"YN-G.AXE74LET LA/X:MF80M)73W.R LF/\$E71BET NEG:D./O75W00? 15 K."71N HFYW.-L/F73K:):A\$E74R YFGF92(AT.: SOX:ARA74Y/IK: MI/N.:(W.RA81Y/IK:?)I70Y\$ L.:(EB:R/OW03 T.F(80W.)"73YN MOW\$YI("/75K:00 **48** 1 \$IM:(W.-ZO74)T B."75YT-YA:(AQO81B? HA/N.IQ:RF)IYM03 B.:/"74M YI&:RF)"80L W./MI/M."71Y Y:HW.DF73H YFCF92)W.? HA75/N.IS:B.F(I74YM05 B.:/"74M Y:HW.F81H W./B"/)LOH"70Y YI&:RF)"L03 YAZ:K.I80YRW.? LO71) BE/):EME73T W:/LO71) BI/C:DFQF75H00 2 K.I75Y-M"/(I70YR HA/Q.O33DE\$03 NIQ:RF80)W.? W:/AL-):ELOH"71Y YI&:RF)"73L NIS:MF92KW. Y:HWF71H C:BF)O73WT \$:M/O75W00 3 HF/RI75)\$ONOWT03 M"/)F74Z HIG.A80D:T.IY W./MI/P./I71Y YFC:)"73W. W:/)A\$:MIY("/92M? P.IT:)O71M (F&I73YTIY WA/T.FBO75)NFH00 4 MI/D.A:(T./I85Y K.I71Y QF\$E73H)F92T.FH? W:/GI70YD B.AR:ZEL03 (FR:P./E80KF W./MIC:X:/AKF73 N:XW.\$F75H00? 5 WF)/AG.I70YD L:/KF03 M"/)F80Z B.:+E71REM T.FBO73W) HIS:MA:(T.I92Y/KF? P.EN-T.O)MAR03 (FC:B./I74Y (F&/F80M W./PIS:L/I71Y W:/NIS:K./I73Y CIW./F75M00? 6 \$FMA70:(T.F75 X:AZ"H03 K.UL./F80H. W:/)AT.E73M H:A/LO74W) TAG.I92YDW.? HIS:MA:(T.I70Y/KF X:ADF\$OWT03 M"/(A80T.FH W./N:CURO73WT W:/LO71) Y:DA:(T./F75M00? 7 (AT.F70H NIB:R):W.03 W:/LO74) M"/)F80Z W:/LI/P:N"Y-YO73WM W:/LO74) \$:MA:(T./F92M? P.EN-T.O)MA73R HIN."71H Y:DA:(T.I75Y/N00? 8 G.A74M LO75)-\$FMA81:(T.F 10G.AM LO74) YFDA80:(T.F G.A85M M"/)F73Z LO)-PIT.:XF74H)FZ:N/E92KF? K.I70Y YFDA33:(T.IY03 B.FGO74WD T.IB:G.O80WD W./POS"71(A MI/B.E73+EN QO71RF) L/F75K:00? 9 L:MA70(AN \$:M/IY03)A):ARI74YK:)AP./I80Y W:/T:HIL.FT/I73Y)EX:E+FM-L/F92K: L:/BIL:T.I73Y? HAK:RIYT/E75KF00? 10 HIN."71H C:RAP:T.I73Y/KF W:/LO74) B:/KF92SEP B.:XAR:T.I73Y/KF B.:/K71W.R (O75NIY00? 11 L:MA:(AN/I94Y L:MA:(AN/I91Y)E:(E&E73H K.I74Y)"74YK: Y"XF92L? W./K:BOWD/I73Y L/)AX"71R LO75)-)ET."75N00 12 \$:MA70()L/AY03 YA75:(AQO80B W:/YI&:RF)"73L M:QORF)/I92Y?):ANIY-HW.)03):ANI74Y RI)\$O80WN)A73P):ANI71Y)AX:ARO75WN00? 13)AP-YFD/IY03 YF74S:DFH)E80REC WI75/YMIYN/I73Y +IP.:XF74H \$FMF92YIM? QOR"71)):ANI91Y):AL"Y/HE73M YA(AM:D71W. YAX:D.F75W00? 14 HIQ.FB:C70W. KUL./:KEM03 W.95/\$:AMF80(W. MI71Y B/FHE73M HIG.I74YD)ET-)92L.EH? Y:HWF74H):AH"B/O80W YA:(A&E70H XEP:C/OW03 B.:/BFBE80L W./Z:RO(O73W K.A&:D.I75YM00? 15):ANI71Y):ANI91Y D.IB.A73R:T.IY)AP-Q:RF)TI92Y/W H:ABIY)OTI73Y/W W:/HIC:LI71YXA D.AR:K./O75W00? 16 QIR:B94W.)"L/A74Y \$IM:(W.-ZO81)T? LO70) M"/RO)\$03 B.A/S."74TER D.IB.A80R:T.IY M"/("71T H:EYOWT/F73H. \$F74M)F92NIY? W:/(AT.F81H):ADONF94Y Y:HWI91H \$:LFX/A73NIY W:/RW.X/O75W00 17 K.O75H)-FMA94R Y:HWF91H G.O)AL:/KF73 Q:DO74W\$ YI&:RF)"92L?):ANI63Y Y:HWF70H):ELOHE33Y/KF03 M:LAM.ED:/KF74 L:/HOW(I80YL? MAD:RI75YK:/AKF73 B.:/DE71REK: T."L"75K:00 18 L71W.) HIQ:\$A73B:T.F L:/MIC:WOT/F92Y? WA/Y:HI70Y KA/N.FHFR03 \$:LOWM/E80KF W:/CID:QFT:/KF73 K.:/GAL."71Y HA/Y.F75M00? 19 WA/Y:HI70Y KA/XOWL03 ZAR:(E80KF W:/CE):ECF)"71Y M"(E73Y/KF K.I/M:(OTF92Y/W? LO75)-YIK.FR"94T W:/75/LO)-YI\$.FM"91D \$:M/O73W MI/L.:/PFNF75Y00? 20 C:)74W. MI/B.FBEL02 B.IR:X74W. MI/K.A&:D.IYM01? B.:/QO74WL RIN.F81H HAG.I70YDW. HA\$:MI33Y(W.03 ZO80)T? HOWCIY)73W./HF (AD-Q:C"74H HF)/F92REC?)IM:R85W. G.F)A71L Y:HWF73H (AB:D./O71W YA:(AQO75B00? 21 W:/LO74) CFM:)81W. B.F/X:FRFBOWT03 HO75WLIYK/F80M? MA71YIM MI/C.73W.R HIZ.I74YL L/F92MOW? WA/Y.I63B:QA(-C80W.R WA/Y.FZU73BW. MF75YIM00? 22)"74YN \$FLO80WM)FMA71R Y:HWF73H LF/R:\$F(I75YM00 **49** 1 \$IM:(70W.)IY.IYM03)"L/A80Y W:/HAQ:\$I71YBW. L:)UM.I73YM M"/RFXO92WQ? Y:HWFH03 MI/B.E74+EN Q:RF)/F80NIY MI/M.:(71Y

)IM./I73Y HIZ:K.I71YR \$:M/I75Y00? 2 WA/Y.F70&EM P./IY03 K./XE74REB XAD.F80H
 B.:C"71L YFD/O73W HEX:B.IY)/F92NIY? WA/Y:&IYM/"33NIY03 L:/X"74C B.FR80W.R
 B.:/)A\$:P.FT/O73W HIS:T.IYR/F75NIY00? 3 WA/Y.O71)MER LI73Y (AB:D./IY)-F92T.FH
 YI&:RF)"85L):A\$ER-B./:KF73)ET:P.F)F75R00? 4 WA/):ANI70Y)FMA33R:T.IY03
 L:/RI74YQ YFGA80:(T.IY L:/TO71HW. W:/HE73BEL K.OX/I74Y KIL."92YTIY?)FK"NO3
 MI\$:P.F+/I74Y)ET-Y:HWF80H W:/P:(UL.FT/I73Y)ET-):ELOH/F75Y00? 5 W:/:(AT.F74H05
)FMA74R Y:HWF81H YOC:R/I70Y MI/B.E33+EN03 L:/E74BED L/O80W? L:/SOWB"70B
 YA75:(AQOB03)"LF80Y/W W:/YI&:RF)"73L **L/O74W Y")FS"92P? W:/)EK.FB"D03
 B.:("YN"74Y Y:HWF80H W")LOH/A73Y HFYF71H (UZ./I75Y00? 6 WA/Y.O81)MER
 NFQ"63L MI75/H:YOWT/:KF71 L/IY03 (E80BED L:/HFQIYM03)ET-\$IB:+74Y
 YA:(AQO80B? **W./N:CW.R"71Y YI&:RF)"73L L:/HF\$I92YB W./N:TAT.I33Y/KF03
 L:/O74WR G.OYI80M? LI75/H:YO71WT Y:\$W.(FT/I73Y (AD-Q:C"71H HF)/F75REC00
 7 K.O74H)F75MAR-Y:HWFH04 G.O)"63L YI&:RF)"61L Q:DOW\$/O81W?
 LI/B:ZOH-NE61PE\$ LI/M:TF70("75B G.OYI03 L:/E74BED MO\$:LI80YM? M:LFKIYM03
 YIR:?)74W. WF/QF80MW. &FRI73YM W:/YI75\$:T.AX:AW.92W.?)1 L:MA70(AN Y:HWFH03
):A\$E74R NE):EMF80N Q:DO71\$ YI&:RF)"73L WA/Y.IB:XFR/E75K.F00? 8 K.O74H05
)FMA74R Y:HWF81H? B.:("70T RFCOWN03 (:ANIYTI80Y/KF W./B:/YO71WM
 Y:\$W.(F73H (:AZAR:T.I92Y/KF? W:/)EC.FR:/KF81 W:/)ET.EN:/KF03 LI/B:RI74YT (F80M?
 L:/HFQI74YM)E80REC L:/HAN:XI73YL N:XFLO71WT \$OM"MO75WT00? 9 L"/)MO70R
 LA75):ASW.RIYM03 C"80)W. LA/):A\$E71R B.A/XO73\$EK: HIG.FL92W.?
 (AL-D.:RFKI74YM YIR:(80W. W./B:/KFL-\$:PFYI73YM MAR:(IYT/F75M00? 10 LO70)
 YIR:(F33BW.03 W:/LO74) YIC:MF80)W. W:/LO-YAK."71M \$FRF73B WF/F92MES?
 K.IY-M:RAX:AM/F74M Y:NAH:AG/"80M W:/AL-MAB.71W.("Y MA73YIM
 Y:NAH:AL/"75M00? 11 W:/&AM:T.I71Y KFL-HFR/A73Y LA/D.F92REK: W./M:SIL.OT/A73Y
 Y:RUM75W.N00? 12 HIN."H-)"85L.EH M"/RFXO73WQ YFBO92)W.
 W:/HI75N."H-)"33L.EH03 MI/C.FPO74WN W./MI/Y.F80M W:/)73L.EH? M"/)E71REC
 SIYNI75YM00? 13 RFN.70W. \$FMA33YIM03 W:/GI74YLIY)F80REC **W./PIC:X71W.
 HFRI73YM RIN.F92H? K.I75Y-NIXA70M Y:HWFH03 (AM./O80W WA/(:ANIY./F73W
 Y:RAX"75M00 14 WA/T.O71)MER CIY.O73WN (:AZFB/A74NIY Y:HWF92H WA/)DONF73Y
 \$:K"X/F75NIY00? 15 H:A/TI\$:K.A70X)I\$.FH03 (W.L/F80H. M"/RAX"73M
 B.EN-B.I+:/N/F92H.? G.AM-)"74L.EH TI\$:K.A80X:NFH W:/)FNOKI73Y LO71)
)E\$:K.FX/"75K:00? 16 H"71N (AL-K.AP.A73YIM XAQ.OTI92Y/K: XOWMOTA71Y/IK:
 NEG:D./I73Y T.FMI75YD00? 17 MI75H:AR73W. B.FNF92Y/IK: M:HF75R:SA71Y/IK:
 W./MAX:ARIBA73Y/IK: MI/M."/71K: Y"C"75)W.00? 18 &:I75Y-SFBI70YB ("YNA33Y/IK:03
 W./R:):I80Y K.UL./F73M NIQ:B.:C74W. BF75)W.-L/F92K: XAY-)F74NIY
 N:)UM-Y:HWF81H K.I70Y KUL./FM03 K.F/(:ADI74Y TIL:B.F80\$Y W.95/T:QA\$.:RI73Y/M?
 K.A/K.AL.F75H00? 19 K.I70Y XFR:BOTA33Y/IK:03 W:/S074M:MOTA80Y/IK: W:/)E73REC
 H:ARI75SUT"92Y/K: K.I70Y (AT.FH03 T."C:RI74Y MI/Y.OV\$"80B W:/RFX:AQ73W.
 M:BAL:(F75Y/IK:00? 20 10(OWD YO)M:R74W. B:/FZ:NA80Y/IK: B.:N"73Y
 \$IK.ULF92Y/IK: CAR-L/I71Y HA/M.FQO73WM G.:SFH-L./I71Y W:/)"\$75BFH00?
 21 W:/)FMA74R:T.: B.I/L:BFB/"81K: MI70Y YF75LAD-L/IY03)ET-)"80L.EH? WA/):ANI71Y
 \$:KW.LF73H W:/GAL:MW.DF92H G.OLF74H05 W:/SW.RF81H W:/)"33L.EH03 MI74Y
 GID."80L? H"70N):ANIY03 NI\$):A74R:T.IY L:/BAD./I80Y)"73L.EH)"YPO71H H"75M00
 22 K.O75H-)FMA62R):ADONF74Y Y:HWI81H? HIN."63H)E&.F70)EL-G.OWYIM03
 YFD/I80Y W:/)EL-(AM.I73YM)FRI74YM NIS./I92Y? W:/H"BI70Y)W. BFNA33Y/IK:03
 B.:XO80CEN W./B:NOTA73Y/IK: (AL-K.FT"71P T.IN.F&E75)NFH00? 23 W:/HFY63W.
 M:LFKI61YM)O75M:NA81Y/IK: W:/&FRO75WT"Y/HEM03 M"YNI74YQOTA80Y/IK:?
)AP.A81YIM 10)EREC YI\$:T.A74X:AWW. L/F80K: WA/(:APA71R RAG:LA73Y/IK:
 Y:LAX"92KW.? W:/YFDA33(AT.:03 K.I75Y-):ANI74Y Y:HWF80H):A\$E71R
 LO75)-Y"BO73\$W. QOW/F75Y00 24 H:A/YUQ.A71X MI/G.IB.O73WR MAL:QO92WXA
 W:/)IM-\$:BI71Y CAD.I73YQ YIM.FL"75+00? 25 K.IY-KO74H05)FMA74R Y:HWF81H?
 G.AM-\$:BI70Y GIB.OWR03 YUQ.F80X W./MAL:QO71WXA (FRI73YC YIM.FL"92+?
 W:/)ET-Y:RIYB/"K:03)FNOKI74Y)FRI80YB W:/)ET-B.FNA73Y/IK:)FNOKI71Y
)OW\$I75Y(A00? 26 W:/HA):AKAL:T.I70Y)ET-MOWNA33Y/IK:03)ET-B.:&FR/F80M
 W:/KE/(FSI73YS D.FM/F74M YI\$:K.FR92W.N? W:/YFD:(74W. KFL-B.F&F81R K.I74Y
):ANI70Y Y:HWFH03 MO75W\$YI("80K: W:/GO):AL/"73K:):ABI71YR YA:(AQO75B00
50 1 K.O74H05)FMA74R Y:HWF81H?)"74Y 14ZEH S"74PER K.:RIYT70W.T)IM./:KEM03

):A\$E74R \$IL.AX:T.I80Y/HF? 10)OW MI74Y MI/N.OVS/A80Y):A\$ER-MFKA71R:T.IY
)ET/:KE73M L/O92W? H"70N B.A/(:AWONO75T"Y/KEM03 NIM:K.AR:T.E80M
 W./B:/PI\$:(("Y/KE73M \$UL.:XF71H)IM./:KE75M00? 2 MAD.63W.(A B.F61)T/IY W:/)"74YN
)I81Y\$ QFRF75)T/IY02]3 W:/)"74YN (OWNEH01? H:A/QFCO63WR QFC:RF70H YFD/IY03
 MI/P.:D80W.T W:/)IM-)75YN-B./I71Y KO73XA L:/HAC.I92YL? H"74N B./GA:(ARFT/I62Y
)AX:ARI74YB YF81M)F&I70YM N:HFROWT03 MID:B.F80R? T.IB:)A70\$ D.:GFT/FM03
 M"/)"74YN MA80YIM W:/TFMO73T B.A/C.FMF75)00? 3)AL:B.I71Y\$ \$FMA73YIM
 QAD:R92W.T W:/&A73Q)F&I71YM K.:SW.T/F75M00 4):ADONF74Y Y:HOWI81H
 NF70TAN L/IY03 L:\$O74WN LIM.W.DI80YM? LF/DA91(AT LF/(71W.T)ET-YF("73P
 D.FBF92R YF(I74YR05? B.A/B.O74QER B.A/B.O81QER YF(I71YR L/IY03)O80ZEN
 L/\$:MO73(A K.A/L.I.M.W.DI75YM00? 5):ADONF70Y Y:HWIH03 P.FTA75X-L/I74Y
)O80ZEN? W:/)FNOKI73Y LO74) MFRI92YTIY)FXO73WR LO71) N:SW.GO75TIY00?
 6 G."W/IY03 NFTA74T.IY L:/MAK.I80YM W./L:XFY/A73Y L:/MO75R:+I92YM? P.FN/AY03
 LO74) HIS:T.A80R:T.IY MI/K.:LIM.O73WT WF/RO75Q00? 7 WA/)DONF70Y Y:HWIH03
 YA75:(AZFR-L/I80Y (AL-K."73N LO74) NIK:LF92M:T.IY? (AL-K."62N &A70M:T.IY
 PFN/AY03 K.A75/XAL.FMI80Y\$ WF)"DA73(K.IY-LO71))"BO75W\$00? 8 QFROWB03
 MAC:D.IYQ/I80Y MI75Y-YFRI71YB)IT./I73Y NA74(AM:DFH Y.F92XAD?
 MI75Y-BA71(AL MI\$:P.F+/I73Y YIG.A71\$)"L/F75Y00? 9 H"74N):ADONF70Y Y:HWIH03
 YA75:(AZFR-L/I80Y MIY-H73W.) YAR:SIY(/"92NIY? H"70N K.UL./FM03 K.A/B.E74GED
 YIB:L80W. (F73\$ YO)K:L/"75M00? 10 MI70Y B/FKEM03 Y:R"74) Y:HWF80H SOM"73(A
 B.:QO74WL (AB:D./O92W?):A\$E74R05 HFLA74K: X:A\$"KI81YM W:/)"71YN
 NO33GAH.03 L/O80W? YIB:+AX03 B.:/"74M Y:HWF80H W:/YI\$.F("73N
 B./)LOHF75Y/W00? 11 H"94N K.UL.:KE91M QO71D:X"Y)"73\$ M:)AZ.:R"74Y
 ZIYQO92WT? L:K74W.05 B.:/)74W.R)E\$/:KE81M W./B:/ZIYQOWT03 B.I75(AR:T.E80M?
 MI/Y.FD/IY03 HFY:TFH-Z.O74)T L/FKE80M L:/MA:(AC"BF73H T.I\$:/K.FB75W.N00
51 1 \$IM:(71W.)L/A91Y RO71D:P"Y CE73DEQ M:BAQ:\$"74Y Y:HWF92H?
 HAB.I33Y+W.03)EL-C74W.R XUC.AB:T.E80M W:/)EL-MAQ.E71BET B.O73WR
 NUQ.AR:T.E75M00? 2 HAB.I33Y+W.03)EL-)AB:RFHF74M):ABIY/KE80M
 W:/)EL-&FRF73H T.:XOWLEL/:KE92M? K.IY-)EXF74D Q:RF)TI80Y/W
 WA/):ABFR:K/"73HW. W:/)AR:B./"75HW.00 3 K.I75Y-NIXA63M Y:HWF61H CIY.O81WN
 NIXAM03 K.FL-XFR:BOTE80Y/HF? WA/Y.F70&EM MID:B.FR/FH.03 K.:/"80DEN
 W:/)AR:BFT/F73H K.:GAN-Y:HWF92H? &F&O70WN W:/&IM:XFH03 YIM.F74C")
 B/F80H. T.OWDF73H W:/QO71WL ZIM:RF75H00 4 HAQ:\$I70YBW.)"L/AY03 (AM/I80Y
 W./L:)W.M./I73Y)"L/A74Y HA):AZI92YNW.? K.I70Y TOWRFH03 M"/)IT./I74Y T"C"80)
 W./MI\$:P.F+/I80Y L:/)O71WR (AM.I73YM?)AR:G.I75Y(A00 5 QFRO70WB CID:Q/IY03
 YFCF74) YI\$:(/I80Y W./Z:RO(/A73Y (AM.I74YM YI\$:P.O92+W.?)"L/AY03)IY.I74YM
 Y:QAW.80W. W:/)EL-Z:RO(/I73Y Y:YAX"L75W.N00? 6 &:W.04 LA/\$.FMA63YIM
 ("75YN"Y/KE61M W:/75/HAB.I94Y+W.)EL-HF/)F74REC MI/T.A81XAT?
 K.I75Y-\$FMA61YIM K.E/(F\$F70N NIM:LF33XW.03 W:/HF/)F33REC03 K.A/B.E74GED
 T.IB:LE80H W:/YOS:BE73Y/HF K.:MOW-?K"74N Y:MW.T92W.N? WI/Y\$75W.(FT/IY03
 L:/)OWLF74M T.I75H:YE80H W:/CID:QFT/I73Y LO71) T"XF75T00 7 \$IM:(70W.)"L/AY03
 YO74D:(("Y CE80DEQ (A73M T.OWRFT/I74Y B:/LIB./F92M?)AL-T.I75YR:)W.03
 XER:P.A74T):ENO80W\$ W./MI/G.ID.UPOT/F73M)AL-T."XF75T.W.00? 8 K.I70Y
 KA/B.E33GED03 YO)K:L/"74M (F80\$ W:/KA/C.E73MER YO)K:L/"74M SF92S?
 W:/CID:QFT/IY03 L:/)OWLF74M T.I75H:YE80H WI/Y\$W.(FT/I73Y L:/DO71WR
 D.OWRI75YM00 9 (W.RI63Y (W.RI70Y LIB:\$IY-(OZ03 Z:RO74W(A Y:HWF80H? 10(W.RIY
 K.I74Y/M"Y QE80DEM D.ORO73WT (OWLFMI92YM? H:A/LO71W))AT.:HI91Y)
 HA/M.AX:CE71BET RA73HAB M:XOWLE71LET T.AN.I75YN00? 10 H:A/LO70W)
)AT.:HIY)03 HA/M.AX:ARE74BET YF80M M"73Y T.:HO74WM RAB.F92H?
 HA/&.F33MFH03 MA75(:AMAQ."Y-YF80M D.E73REK: LA/(:ABO71R G.:)W.LI75YM00?
 11 W./P:DW.Y"63Y Y:HWF61H Y:\$W.B81W.N W./BF70)W. CIY.OWN03 B.:RIN.F80H?
 W:/&IM:XA71T (OWLF73M (AL-RO)/\$F92M &F&O70WN W:/&IM:XFH03 YA&.IYG80W.N
 NF73SW. YFGO71WN? WA/):ANFXF75H00 12)FNOKI94Y)FNOKI91Y H73W.)
 M:NAXEM/:KE92M? MI75Y-)A70T.: WA/T.I75YR:)IY03 M"/):ENO74W\$ YFM80W.T
 W./MI/B.EN-)FDF73M XFCI71YR YIN.FT"75N00? 13 WA/T.I\$:/K.A62X Y:HWF74H
 (O&/E81KF NOW+E74H \$FMAYIM02? W:/YOS"74D)FREC01 WA/T.:PAX"63D
 T.FMI61YD]3 K.FL-HA/Y.O81WM? MI/P.:N"Y03 X:AMA74T HA/M."CI80YQ K.A/):A\$E71R

K.OWN"73N L:/HA\$:XI92YT W:/)AY."73H X:AMA71T HA/M."CI75YQ00? ¹⁴ MIHA71R
CO(E73H L:/HIP.FT"92XA W:/LO)-YFM74W.T LA/\$.A80XAT W:/LO71) YEX:SA73R
LAX:M/O75W00? ¹⁵ W:/)F75NOKIY03 Y:HWF74H):ELOHE80Y/KF ROGA74(HA/Y.F80M
WA/Y.EH:EM73W. G.AL.F92Y/W? Y:HWF71H C:BF)O73WT \$:M/O75W00?
¹⁶ WF)/F&I70YM D.:BFR/AY03 B.:PI80Y/KF W./B:/C"71L YFD/I73Y K.IS.IYTI92Y/KF?
LI/N:+O70(A \$FMA33YIM03 W:/LI/YSO74D)F80REC W:/L"/)MO71R L:/CIY.O73WN
(AM./IY-)F75T.FH00 ¹⁷ HIT:(OWR:RI74Y HI75T:(OWR:RI81Y 10QW.MIY
Y:R74W.\$FLA80IM?):A\$E71R \$FTI91YT MI/Y.A71D Y:HWF73H)ET-K.O74WS
X:AMFT/O92W?)ET-QUB.A61(AT K.O94WS HA/T.AR:("LF91H \$FTI73YT MFCI75YT00?
¹⁸)"YN-M:NAH"74L L/F80H. MI/K.FL-B.FNI73YM YFLF92DFH? W:/)"70YN
MAX:AZIYQ03 B.:YFD/F80H. MI/K.FL-B.FNI73YM G.ID."75LFH00? ¹⁹ \$:T.A70YIM
H"33N.FH03 QO75R:)OTA80Y/IK: MI73Y YFN74W.D L/F92K:? HA/\$.O94D
W:/HA/\$.E91BER W:/HF/RF(F71B W:/HA/XE73REB MI71Y):ANAX:AM/"75K:00?
²⁰ B.FNA61Y/IK: (UL.:P71W. \$FK:B91W. B.:/RO71)\$ K.FL-XW.CO73WT K.:/TO74W)
MIK:MF92R? HA75/M:L")I71YM X:AMAT-Y:HWF73H G.A:(ARA71T):ELOHF75Y/IK:00?
²¹ LF/K"91N \$IM:(IY-NF71) ZO73)T (:ANIY.F92H W./\$:KURA73T W:/LO71) MI/Y.F75YIN00
²² K.O75H-)FMA62R):ADONA74Y/IK: Y:HWF81H W"/)LOHA33Y/IK:03 YFRI74YB
(AM./O80W? HIN."71H LFQA91X:T.IY MI/Y.FD/"73K:)ET-K.O74WS HA/T.AR:("LF92H?
)ET-QUB.A33(AT03 K.O74WS X:AMFT/I80Y LO)-TOWSI71YPIY LI:\$:T.OWT/F73H.
(O75WD00? ²³ W:/&AM:T.I33Y/HF03 B.:YAD-MOWGA80Y/IK:?):A\$ER-)FM:R71W.
L:/NAP:\$/"73K: \$:XI74Y W:/NA:(ABO92RFH? WA/T.F&I70YMIY KF)/F33REC03
G."W/"80K: W:/KA/X73W.C LA/(OB:RI75YM00 **52** ₁ (W.RI71Y (W.RI91Y LIB:\$I71Y
(UZ./"73K: CIY.O92WN? LIB:\$I74Y05 B.IG:D"74Y TIP:)AR:T./"81K: Y:RW.\$FLA33IM03
(I74YR HA/Q.O80DES? K.I74Y LO71) YOWSI91YP YFBO)-B/F71K: (O73WD (FR"71L
W:/+FM"75)00? ² HIT:NA:(ARI94Y M"/(FPF91R Q71W.MIY \$:BI73Y Y:R75W.\$FLF92IM?
**HI75T:P.AT.:XIY03 MOWS:R"74Y CAW.F)/R"80K: \$:BIY.F73H B.AT-CIY.O75WN00
³ K.I75Y-KOH03)FMA74R Y:HWF80H XIN.F73M NIM:K.AR:T.E92M W:/LO71)
B:/KE73SEP T.IG.F)"75LW.00? ⁴ K.I74Y KO70H)FMAR03):ADONF74Y Y:HWI80H
MIC:RA91YIM YF75RAD-(AM./I71Y BF/RI75)\$ONF73H LF/G74W.R? \$F92M W:/)A\$.73W.R
B.:/E71PES (:A\$FQ/O75W00 ⁵ W:/(AT.F70H **MAH-L./IY-POH03 N:)UM-Y:HWF80H?
K.I75Y-LUQ.A71X (AM./I73Y XIN.F92M **MO\$:LF70Y/W Y:H"YLI33YLW.03
N:)UM-Y:HWF80H W:/TFMI71YD K.FL-?HA/Y.O73WM \$:M/I71Y MIN.O)F75C00
⁶ LF/K"91N Y"DA71((AM./I73Y \$:M/I92Y LF/K"N03 B.A/Y.O74WM HA/H80W.)?
K.I75Y-):ANIY-H71W.) HA75M:DAB."73R HIN./"75NIY00? ⁷ MAH-N.F)W63W.
(AL-HE/HFRI61YM RAG:L"74Y M:BA&."81R? MA\$:MI94Y(A \$FLO91WM M:BA&."71R
+O73WB MA\$:MI74Y(A Y:\$W.(F92H?)OM"71R L:/CIY.O73WN MFLA71K:
):ELOHF75Y/IK:00? ⁸ QO71WL COPA91Y/IK: NF71&:JW. QO73WL YAX:D.F74W
Y:RAN."92NW.? K.I74Y (A70YIN B.:/A33YIN03 YIR:)80W. B.:/\$71W.B Y:HWF73H
CIY.O75WN00? ⁹ P.IC:X70W. RAN.:NW.03 YAX:D.F80W XFR:BO73WT Y:RW.\$FLF92IM?
K.I75Y-NIXA70M Y:HWFH03 (AM./O80W G.F)A73L Y:RW.\$FLF75IM00? ¹⁰ XF&A70P
Y:HWFH03)ET-Z:RO74W(A QFD:\$/O80W L:/("YN"73Y K.FL-HA/G.OWYI92M?
W:/RF)W.03 K.FL-)AP:S"Y-)F80REC)"73T Y:\$W.(A71T):ELOH"75Y/NW.00 ¹¹ S70W.RW.
S33W.RW.03 C:)74W. MI/\$.F80M +FM"73) AL-T.IG.F92(W.? C:)74W. MI/T.OWK/F80H.
HIB.F85RW. NO&:)"73Y K.:L"71Y Y:HWF75H00? ¹² K.I74Y LO70) B:/XIP.FZOWN03
T."C"80)W. W./BI/M:NW.SF73H LO74) T"L"K92W.N? K.I75Y-HOL"70K: LI/P:N"/KEM03
Y:HWF80W W./M:)AS.IP:KE73M):ELOH"71Y YI&:RF)"75L00 ¹³ HIN."71H YA&:K.I73YL
(AB:D./I92Y YFR94W.M W:/NI&.F91) W:/GFBA73H. M:)O75D00? ¹⁴ K.A):A\$E63R
\$FM:M70W. (FLE33Y/KF03 RAB.I80YM? K."N-MIS:XA71T M"/)I73Y\$ MAR:)"92HW.
W:/TO):AR/O73W MI/B.:N"71Y)FDF75M00? ¹⁵ K."70N YAZ.EH03 G.OWYI74M RAB.I80YM
(FLF91Y/W YIQ:P.:C71W. M:LFKI73YM P.IY/HE92M? 14K.IY):A\$E63R LO75)-SUP.A70R
L/FHEM03 RF)80W. WA):A\$E71R LO75)-\$FM:(73W. HIT:B.OWNF75NW.00? **53** ₁ MI71Y
HE):EMI73YN LI:\$:MU(FT/"92NW. W./Z:RO71W(A Y:HWF73H (AL-MI71Y
NIG:LF75TFH00? ² WA/Y.A63(AL K.A/Y.OWN"61Q L:/PFNF81Y/W W:/KA/\$.O33RES03
M"/)E74REC CIY.F80H? LO)-TO71)AR L/O73W W:/LO74) HFDF92R W:/NIR:)"71HW.
W:/LO75)-MAR:)E73H W:/NEX:M:D/"75HW.00? ³ NIB:ZEH03 WA/X:ADA74L)IY\$I80YM
)I71Y\$ MAK:)OBO73WT WI/YD74W.(A XO92LIY? W./K:/MAS:T."70R P.FNIYM03
MI/M./E80N.W. NIB:ZE73H W:/LO71) X:A\$AB:NU75/HW.00? ⁴)FK"70N X:FLFY/"33NW.03

H74W.) NF&F80) W./MAK:)OB"73Y/NW. S:BFL/F92M? WA/):ANA74X:NW. X:A\$AB:NU80/HW. NFG91W.(A MUK."71H):ELOHI73YM W./M:(UN.E75H00? 5 W:/HW.)03 M:XOLF74L MI/P.:\$(/"80NW. M:DUK.F73) M"/(:AWONOT"92Y/NW.? MW.SA70R \$:LOWM/"33NW.03 (FLF80Y/W W./BA/X:ABURFT/O73W NIR:P.F)-L/F75NW.00? 6 K.UL./F33NW.03 K.A/C.O74)N T.F(I80YNW.)I71Y\$ L:/DAR:K./O73W P.FNI92YNW.? WA75/YHWFH03 HIP:G.I74Y(A B./O80W)"73T (:AWO71N K.UL./F75NW.00? 7 NIG.A63& W:/H74W.) NA:(ANEH02 W:/LO74) YIP:T.AX-P.IY/W01? K.A/&.EH03 LA/+.E74BAX YW.BF80L W./K:/RFX"85L LI/P:N"71Y GOZ:ZE73Y/HF NE):ELF92MFH? W:/LO71) YIP:T.A73X P.I75Y/W00? 8 M"/(O70CER W./MI/M.I\$P.F+03 LUQ.F80X W:/)ET-D.OWR/O73W MI74Y Y:&OWX"92XA? K.I70Y NIG:ZAR03 M"/E74REC XAY.I80YM MI/P.E71\$A((AM.I73Y NE71GA(L/F75MOW00? 9 WA/Y.IT."70N)ET-R:\$(IYM03 QIB:R/O80W W:/)ET-(F\$I73YR B.:MOTF92Y/W? 10(AL LO)-XFMF74S (F&F80H W:/LO71) MIR:MF73H B.:PI75Y/W00? 10 WA/YHWF62H XFP"70C D.AK.)/OW03 HE75X:ELI80Y)IM-T.F&I70YM)F\$FM03 NAP:\$/O80W? YIR:JE71H ZE73RA(YA):ARI74YK: YFMI92YM W:/X"71PEC Y:HWF73H B.:YFD/O71W YIC:LF75X00? 11 M"/(:AMA70L NAP:\$/OW03 YIR:JE74H YI&:B.F80(B.:DA:(T./O81W? YAC:D.I71YQ CAD.I91YQ (AB:D./I73Y LF75/RAB.I92YM WA/(:AWONOT/F73M H71W.) YIS:B.O75L00? 12 LF/K"62N):AXAL.EQ-L/O74W BF/RAB.I81YM W:/)ET-(ACW.MIYM02 Y:XAL."74Q \$FLFL01? T.A81XAT):A\$E63R HE:(ERF70H LA/M.F33WET03 NAP:\$/O80W W:/)ET-P.O\$:(I73YM NIM:Nf92H? W:/HW.)03 X"+):-RAB.I74YM NF&F80) W:/LA.P.O\$:(I73YM YAP:G.I75Y(A00 54 1 RFN.I71Y (:AQFRF73H LO74) YFLF92DFH P.IC:XI63Y RIN.F70H W:/CAH:ALIY03 LO)-XF80LFH? K.I75Y-RAB.I94YM B.:75N"Y-\$OWM"MF91H MI/B.:N"71Y B:(W.LF73H)FMA71R Y:HWF75H00? 2 HAR:XI74YBIY05 M:QO74WM)FH:FL/"81K: WI/YRIY(O94WT MI\$K.:NOWTA91Y/IK: YA+.73W.)AL-?T.AX:&O92KIY? HA):ARI33YKIY03 M"75YTFRA80Y/IK: WI/YT"DOTA73Y/IK: XAZ."75QIY00 3 K.IY-YFMI71YN W./&:MO73)WL? T.IP:RO92CIY? W:/ZAR:(/"K:03 G.OWYI74M YIYRF80\$ W:/(FRI71YM N:\$AM.O73WT YOW\$I75YBW.00? 4)AL-T.I75YR:)IY03 K.IY-LO74) T"BO80W\$IY W:/)AL-T.IK.FL:MI73Y K.I74Y LO74) TAX:P.I92YRIY? K.I74Y BO70\$ET (:ALW.MA33Y/IK:03 T.I\$K.F80XIY W:/XER:P.A71T)AL:M:NW.TA73Y/IK: LO71) TIZ:K.:RIY-?(O75WD00? 5 K.I70Y BO:(ALA33Y/IK:03 (O&A80Y/IK: Y:HWF71H C:BF)O73WT \$:M/O92W? W:/GO75):AL/"K:03 Q:DO74W\$ YI&:RF)"80L):ELOH"71Y KFL-HF/F73REC YIQ.FR"75)00? 6 K.I75Y-K:)/I\$.F94H (:AZW.BF91H WA/(:AC71W.BAT R73W.XA Q:RF)/F74K: Y:HWF92H? W:/)94SET N:(W.RI91YM K.I71Y TIM.F)"73S)FMA71R):ELOHF75Y/IK:00? 7 B.:RE71GA(QF+O73N (:AZAB:T.I92Y/K: W./B:/RAX:AMI71YM G.:DOLI73YM):AQAB.:C/"75K:00? 8 B.:/\$E74CEP QE81CEP HIS:T.A63R:T.IY PFN/A71Y RE33GA(03 MI/M."80K.:? W./B:/XE71SED (OWLF73M RI75XAM:T.I92Y/K:)FMA71R G.O):AL/"73K: Y:HWF75H00 9 K.IY-M"71Y NO33XA03 ZO74)T L/I80Y?):A\$E74R NI\$B.A81:(T.IY M"/(:ABO71R M"Y-NO91XA (O73WD (AL-HF)/F92REC? K."71N NI\$B.A91:(T.IY MI/Q.:CO71P (FLA73Y/IK: W./MI/G.:(FR-B./F75K:00? 10 K.I70Y HE75/HFRIYM03 YFM80W.\$W. W:/HA/G.:BF(O73WT T.:MW.+E92NFH? W:/XAS:D./I62Y M"/)IT./"74K: LO75)-YFM81W.\$ W./B:RI70YT \$:LOWM/IY03 LO74) TFM80W.+?)FMA71R M:RAX:AM/"73K: Y:HWF75H00 11 (:ANIY.F71H SO:(ARF73H LO74) NUXF92MFH? HIN."63H)FNOKI61Y MAR:B.I70YC B.A/P.W.K:03):ABFNA80Y/IK: WI/YRAD:T.I73Y/K: B.A/S.AP.IYRI75YM00? 12 W:/&AM:T.I70Y K.A75D:KOD03 \$IM:\$OTA80Y/IK: W./\$:(FRA73Y/IK: L:/)AB:N"74Y)EQ:D.F92X? W:/KFL-G.:BW.L/"73K: L:/)AB:N"Y-X"75PEC00 13 W:/KFL-B.FNA73Y/IK: LIM.W.D"74Y Y:HWF92H? W:/RA73B \$:LO71WM B.FNF75Y/IK:00 14 B.I/C:DFQF73H T.IK.OWNF92NIY? RAX:AQI70Y M"/(O33\$EQ03 K.I75Y-LO74) TIYRF80)IY W./MI63/M.:XIT.F80H K.I71Y LO75)-TIQ:RA73B)"LF75Y/IK:00? 15 H"74N G.O71WR YFG91W.R)E73PES M"75/)OWT/I92Y MIY-GF71R)IT./F73K: (FLA71Y/IK: YIP.O75WL00? 16 **HIN."70H)F75NOKIY03 B.FRF74)TIY XFRF80\$ NOP"33XA03 B.:)"74\$ P.EXF80M? W./MOWCI71Y) K:LI73Y L:/MA:(A&/"92HW. W:/)FNOKI91Y B.FRF71)TIY MA\$:XI73YT L:/XAB."75L00? 17 K.FL-K.:LI62Y YW.CA70R (FLA33Y/IK:03 LO74) YIC:LF80X? W:/KFL-LF\$O91WN T.F75QW.M)-IT./F71K:]1 LA/M.I\$P.F73+ T.AR:\$I92Y(IY? ZO83)T NAX:ALAT04 (AB:D"63Y Y:HWF94H W:/CID:QFT/F91M M"/)IT./I73Y N:)UM-Y:HWF75H00 55 1 HO70WY K.FL-CFM)"03 L:K74W. LA/M.A80YIM WA/):A\$E71R)"75YN-L/O73W K.F92SEP L:K70W.? \$IB:RW.03 WE75):EKO80LW. W./L:K74W.

\$IB:R81W. B.:/LOW)-KE91SEP W./B:/LO71W) M:XI73YR YA71YIN? W:/XFLF75B00?
 2 LF70/M.FH TIS:Q:LW.-KE33SEP03 B.:75/LOW)-LE80XEM WI/YGIY(/:AKE73M
 B.:/LO74W) L:/&FB:(F92H? \$IM:(63W. \$FMO70W(A)"L/AY03 W:/)IK:LW.-+O80WB
 W:/TIT:(AN.A71G B.A/D.E73\$EN NAP:\$:/KE75M00? 3 HA+.70W.)FZ:N:/KEM03
 W./L:K74W.)"L/A80Y \$IM:(73W. W./T:XI74Y NAP:\$:/KE92M? W:/)EK:R:TF70H L/FKEM03
 B.:RI74YT (OWLF80M XA75S:D"71Y DFWI73D HA/N.E):EMFNI75YM00? 4 H"91N ("71D
 L:)W.M.I73YM N:TAT.I92Y/W NFGI71YD W./M:CAW."73H L:)UM.I75YM00? 5 H"74N
 G.O70WY LO75)-T"DA(03 T.IQ:RF80) W:/GO71WY LO75)-Y:DF(73W./KF)"LE74Y/KF
 YFR92W.CW.? L:MA33(AN03 Y:HWF74H):ELOHE80Y/KF W:/LI/Q:DO71W\$ YI&:RF)"73L
 K.I71Y P"):AR/F75K:00 6 D.IR:\$71W. Y:HWF73H B.:/HIM.FC:)/O92W Q:RF)U73/HW.
 B.I75/H:YOWT/O71W QFRO75WB00? 7 YA:(AZO70B RFSF(03 D.AR:K/O80W W:/)I71Y\$
)F73WEN MAX:\$:/BOTF92Y/W? W:/YF\$O70B)EL-Y:HWFH03 WI75/YRAX:AM/"80HW.
 W:/)EL-):ELOH"73Y/NW. K.I75Y-YAR:B.E71H LI/S:LO75WXA00? 8 K.I74Y LO70)
 MAX:\$:/BOWT/AY03 MAX:\$:/BO74WT"Y/KE80M W:/LO71) DAR:K"Y/KE73M D.:RFK/F92Y
 N:)U73M Y:HWF75H00? 9 K.I75Y-GFB:H71W. \$FMA73YIM M"/)F92REC K."74N
 G.FB:H70W. D:RFK/AY03 MI/D.AR:K"Y/KE80M W./MAX:\$:/BOT/A73Y?
 MI/M.AX:\$:/BOT"Y/KE75M00? 10 K.I83Y K.A/):ASE74R Y"R"D04 HA/G.E63\$EM
 W:/HA/\$.E61LEG MIN-HA/\$.FMA81YIM? W:/\$F33M./FH03 LO74) YF\$80W.B 10K.IY
)IM-HIR:WF74H)ET-HF/)F80REC? W:/HOWLIYD/F73H. W:/HIC:MIYX/F92H.
 W:/NF70TAN ZE33RA(03 LA/Z.OR"80(A W:/LE73XEM LF/)OK"75L00? 11 K."74N
 YI75H:YE70H D:BFR/IY03):ASE74R Y"C"74) MI/P./I80Y LO75)-YF\$71W.B)"L/A73Y
 R"YQ/F92M? K.I70Y)IM-(F&FH03)ET-):ASE74R XFPA80C:T.IY W:/HIC:LI73YXA
):ASE71R \$:LAX:T.I75Y/W00? 12 K.I75Y-B:/&IM:XF74H T"C"80)W. W./B:/\$FLO73WM
 T.75W.BFL92W.N? HE/HFRI74YM W:/HA/G.:BF(O81WT YIP:C:X70W. LI/P:N"Y/KEM03
 RIN.F80H W:/KFL-(AC"71Y HA/&.FDE73H? YIM:X:A)W.-KF75P00? 13 T.A70XAT
 HA75/N.A:(ACW.C03 YA:(ALE74H B:RO80W\$ **W:/TA71XAT HA/S.IR:P.A73D
 YA:(ALE74H H:ADA92S? W:/HFYF70H LA75/YHWFH03 L:/"\$80M L:/)O71WT (OWLF73M
 LO71) YIK.FR"75T00 56 1 10K.OH)FMA74R Y:HWF80H \$IM:R71W. MI\$:P.F73+
 WA:(A&74W. C:DFQF92H? K.I75Y-Q:ROWBF70H Y:\$75W.(FT/IY03 LF/BO80W)
 W:/CID:QFT/I73Y L:/HIG.FLO75WT00? 2)A\$:R"70Y):ENOW\$03 YA:(A&EH-Z.O80)T
 W./BEN-)FDF73M YAX:AZI74YQ B./F92H.? \$OM"70R \$AB.FT03 M"75/XAL.:L/O80W
 W:/\$OM"71R YFD/O73W M"/:(A&O71WT K.FL-RF75(00 3 W:/)AL-YO)MA74R
 B.EN-HA/N."KF81R HA/N.IL:WF70H)EL-Y:HWFH03 L"/)MO80R? HAB:D."94L
 YAB:D.IYL/A91NIY Y:HWF73H M"/(A74L (AM/O92W? W:/)AL-YO)MAR03
 HA/S.FRI80YS H"71N):ANI73Y ("71C YFB"75\$00 4 K.IY-KO74H05)FMA74R Y:HWF81H?
 LA/S.F75RIYSIYM03):ASE70R YIS:M:RW.03)ET-\$AB.:TOWT/A80Y? W./BF75X:AR73W.
 B.A):ASE74R XFPP92C:T.IY W./MAX:AZIYQI73YM B.I/B:RIYT/I75Y00? 5 W:/NFTAT.I63Y
 L/FHE61M B.:/B"YT/I70Y W./B:/XO75WMOT/AY03 YF74D WF/\$"80M +O73WB
 MI/B.FNI74YM W./MI/B.FNO92WT? \$"70M (OWLFM03)ET.EN-L/O80W):ASE73R LO71)
 YIK.FR"75T00 6 W./B:N"74Y HA/N."KF81R HA/N.IL:WI70YM (AL-Y:HWFH03?
 L:/\$F74R:T/O80W W.95/L:/)AH:ABFH03)ET-\$"74M Y:HWF80H LI/H:YO71WT L/O73W
 LA/(:ABFDI92YM? K.FL-\$OM"70R \$AB.FT03 M"75/XAL.:L/O80W W./MAX:AZIYQI73YM
 B.I/B:RIYT/I75Y00? 7 WA/H:ABIY)OWTI62YM)EL-HA74R QFD:\$/I81Y
 W:/&IM.AX:T.IYM03 B.:/B"74YT T.:PIL.FT/I80Y? (OWLOT"Y/HE94M W:/ZIB:X"Y/HE91M
 L:/RFCO73WN (A75L-MIZ:B.:X/I92Y? K.I74Y B"YT/I80Y B."YT-T.:PIL.F71H YIQ.FR"73)
 L:/KFL-HF(AM.I75YM00? 8 N:/JUM03):ADONF74Y Y:HWI80H M:QAB."73C NID:X"74Y
 YI&:RF)"92L? (O91WD):AQAB."71C (FLF73Y/W L:/NIQ:B.FCF75Y/W00? 9 K.O73L
 XAY:TO74W &FDF92Y)"TF85YW. LE/):EKO71L K.FL-XAY:TO73W B.A/Y.F75(AR00
 10 **COPF62Y/W (IW:RI70YM K.UL./FM03 LO74) YFDF80(W.? K.UL./FM03 K.:LFB174YM
)IL.:MI80YM LO71) YW.K:L73W. LI/N:B.O92XA? HOZIYM03 \$O75K:BI80YM)OH:AB"73Y
 LF/N75W.M00? 11 W:/HA/K.:LFB174YM (AZ."Y-NE81PE\$ LO70) YF75D:(W.03 &FB:(F80H?
 W:/H"74M.FH RO(I80YM LO71) YFD:(73W. HFBI92YN? K.UL./FM03 L:/DAR:K./F74M
 P.FN80W.)I71Y\$ L:/BIC:/(O73W MI/Q.FC/"75HW.00? 12)"TF71YW.)EQ:XFH-YA73YIN
 W:/NIS:B.:)F74H \$"KF92R? W:/HFYF70H KF/ZEH03 YO74WM MFXF80R G.FDO73WLJ3
 YE71TER M:)O75D00? 57 1 HA/C.AD.I74YQ)FBF80D W:/)"71YN)I73Y\$ &F74M
 (AL-L"92B? W:/)AN:\$"Y-XE70SED NE75):ESFPIYM03 B.:/)"74YN M"BI80YN?
 K.I75Y-MI/P.:N"71Y HF/RF(F73H NE):ESA71P HA/C.AD.I75YQ00 2 YFBO74W)

\$FLO80WM? YFN73W.XW. (AL-MI\$K.:BOWT/F92M HOL"73K: N:KOX/O75W00?
 3 W:/)AT.E71M QIR:BW.-H"73N./FH B.:N"74Y (ON:Nf92H? ZE71RA(M:Nf)"73P
 WA/T.IZ:NE75H00 4 (AL-MIY03 T.IT:(AN.F80GW.? (AL-MI91Y T.AR:XI71YBW. PE73H
 T.A):ARI74YKW. LF\$O92WN? H:A/LO75W)-)AT.E71M YIL:D"Y-PE73\$(A(ZE71RA(
 SF75QER00? 5 HA/N."75XFMIYM03 B.F75)")LI80YM T.A73XAT K.FL-("74C RA:(ANF92N?
 \$OX:A+"70Y HA/Y:LFDIYM03 B.A/N.:XFLI80YM T.A73XAT S:(IP"71Y
 HA/S.:LF(I75YM00? 6 B.:XAL.:Q"Y-NA74XAL XEL:Q/"80K: H"71M H"73M
 G.OWRFL/"92K: G.AM-L/FHE62M \$FPA71K:T.: NE33SEK:03 HE:(ELI74YT MIN:XF80H?
 HA71/(AL)"73L.EH)EN.FX"75M00? 7 (A70L HAR-G.FBO33H.A03 W:/NI&.F80) &A73M:T.:
 MI\$K.FB/"92K: G.AM-\$F71M (FLI73YT LI/Z:B.O71XA ZF75BAX00? 8 W:/)AXA70R
 HA/D.E33LET03 W:/HA/M.:ZW.ZF80H &A73M:T.: ZIK:ROWN/"92K: K.I74Y M"/)IT./I62Y
 G.II.I74YT WA75/T.A:(ALI81Y HIR:XA70B:T.: MI\$K.FB/"K:03? WA/T.IK:RFT-L/F74K:
 M"/HE80M)FHA71B:T.: MI\$K.FB/F73M YF71D XFZI75YT00? 9 WA/T.F\$U70RIY
 LA/M.E33LEK:03 B.A/\$.E80MEN WA/T.AR:B.I73Y RIQ.UXF92Y/IK:? WA/T.:\$AL.:XI70Y
 CIYRA33Y/IK:03]M (AD-M"74/RFXO80Q WA/T.A\$:P.I73YLIY (AD-\$.)O75WL00?
 10 B.:/RO70B D.AR:K./"K:03 YFGA80(AT.: LO71))FMA73R:T.: NOW)F92\$? XAY.A70T
 YFD/"K:03 MFCF80)T (AL-K."73N LO71) XFLI75YT00? 11 W:/)ET-MI62Y D.F)A70G:T.:
 WA/T.I75YR:)IY03 K.I74Y T:KAZ."80BIY? W:/)OWT/IY03 LO74) ZFKA80R:T.:
 LO)-&A73M:T.: (AL-LIB."92K: H:A/LO63)):ANI70Y MAX:\$EH03 W./M"74/(OLF80M
 W:/)OWT/I73Y LO71) TIYRF75)IY00? 12):ANI71Y)AG.I73YD CID:QFT/"92K:
 W:/)E75T-MA:(A&A73Y/IK:? W:/LO71) YOW(IYL75W./K:00 13 B.:ZA75:(AQ/"K:03
 YAC.IYLU74/K: QIB.W.CA80Y/IK:? W:/)ET-K.UL./F71M YI&.F)R73W.XA
 YIQ.AX-HF92BEL? W:/HA/XOWSE71H B/IY03 YIN:XAL-)E80REC W:/YIYRA73S
 HAR-QFD:\$/I75Y00 14 W:/)FMA71R? SO75L.W.-SO73L.W. P.AN.W.-DF92REK:
 HFRI71YMW. MIK:\$O73WL MI/D.E71REK: (AM./I75Y00 15 K.IY04 KO63H)FMA61R
 RF74M W:/NI&.F81) \$OK"71N (AD03 W:/QFDO74W\$ \$:M/O80W? MFRO71WM
 W:/QFDO73W\$)E\$.K.O92WN W:/)ET-D.AK.F)03 W./\$:PAL-R80W.XA? L:/HAX:AYOWT03
 R74W.XA \$:PFLI80YM W.95/L:/HAX:AYO73WT L"71B NID:K.F)I75YM00? 16 K.I74Y LO70)
 L:/)OWLFM03)FRI80YB W:/LO71) LF/NE73CAX)EQ.:CO92WP? K.IY-R33W.XA03
 MI/L.:/PFNA74Y YA75:(A+O80WP W./N:\$FMO73WT):ANI71Y (F&I75YTIY00?
 17 B.A/(:AWO71N B.IC:(/O91W QFCA71P:T.IY W:/)AK./"73HW. HAS:T."74R
 W:/)EQ:CO92P? WA/Y."71LEK: \$OWBF73B B.:/DE71REK: LIB./O75W00 18 D.:RFKF71Y/W
 RF)I73YTIY? W:/)ER:P.F)"92HW. W:/)AN:X/"85HW. WA/):A\$AL."94M NI75XUMI91YM
 L/O73W? W:/LA/):AB"LF75Y/W00 19 B.OWR"73) **NI74YB &:PFTF92YIM? \$FLO63WM05
 \$FLO61WM LF/RFXO94WQ W:/LA/Q.FRO91WB)FMA71R Y:HWF73H
 W./R:PF)TI75Y/W00? 20 W:/HF/R:\$F(I73YM K.A/Y.F74M NIG:RF92\$ K.I70Y HAS:Q"+03
 LO74) YW.KF80L? WA/Y.IG:R:\$71W. M"YMF73Y/W RE71PE\$ WF/+I75Y+00? 21)"74YN
 \$FLO80WM)FMA71R):ELOH/A73Y LF/R:\$F(I75YM00 58 1 Q:RF70) B:/GFROWN03
)AL-T.AX:&O80K: K.A/\$.OWPF73R HFR"74M QOWL/E92KF? W:/HAG."70D L:/)AM./IY03
 P.I\$:(/F80M W./L:/B"71YT YA:(AQO73B XA+O)T/F75M00? 2 W:/)OWT/I81Y YO71WM]3
 YOWM03 YID:RO\$80W.N W:/DA71(AT D.:RFK/A73Y YEX:P.FC92W.N? K.:/GO62WY
):A\$ER-C:DFQF74H (F&F81H W./MI\$:P.A70+):ELOHFY/W03 LO74) (FZF80B?
 YI\$):FL33W./NIY03 MI\$:P.:+"Y-CE80DEQ QIR:BA71T):ELOHI73YM YEX:P.FC75W.N00?
 3 LF70/M.FH C.A33M:NW.03 W:/LO74) RF)I80YTF (IN.I71YNW. NAP:\$/"73NW. W:/LO74)
 T"DF92(? H"74N B.:YO70WM CO75M:/KEM03 T.IM:C:/W.-X"80PEC
 W:/KFL-(AC.:B"Y/KE73M T.IN:G.O75&W.00? 4 H"74N L:/RI70YB W./MAC.FH03
 T.FC80W.MW. W./L:/HAK.O73WT B.:/EG:RO74P RE92\$(A(? LO)-TFC74W.MW.
 KA/Y.O80WM L:/HAS:MI71Y(A B.A.M.FRO73WM QOWL:/KE75M00? 5 H:A/KF/ZE81H
 YI75H:YEH03 CO74WM)EB:XFR/"80HW. YO91WM (AN.O71WT)FDF73M NAP:\$/O92W?
 H:A/LF/KO63P K.:/AG:MO61N RO)\$/O81W W:/&A70Q WF/)"33PER03 YAC.I80Y(A?
 H:A/LF/ZEH03 T.IQ:RF)-CO80WM W:/YO71WM RFCO73WN LA/YHWF75H00?
 6 H:A/LO74W) ZEH02 CO74WM)EB:XFR/"HW.01? P.AT."33XA03 XAR:CUB.O74WT
 RE80\$(A(HAT."73R):AGUD.O74WT]3 MOW+F92H? W:/\$AL.A70X R:CW.CIYM03
 XFP:\$I80YM W:/KFL-MOW+F73H T.:NAT."75QW.00? 7 H:A/LO63W) PFR070S
 LF75/RF("B03 LAX:M/E80KF WA/(:ANIY.I71YM M:RW.DI73YM T.F74BIY) BF92YIT?
 K.I75Y-TIR:)E70H (FROM03 W:/KIS.IYT/O80W W./MI/B.:&FR:/KF73 LO71)
 TIT:(AL.F75M00? 8)F74Z YIB.FQA70(K.A/\$.A33XAR03)OWR/E80KF

WA):ARUKFT/KF73 M:H"RF74H TIC:MF92X? W:/HFLA70K: L:/PFNE33Y/KF03
CID:Q/E80KF K.:BO71WD Y:HWF73H YA)AS:P/E75KF00? 9)F70Z T.IQ:RF)03
WA/YHWF74H YA:(ANE80H T.:\$AW.A73(W:/YO)MA74R HIN./"92NIY?)IM-T.FSI70YR
MI/T.O75WK:/KF03 MOW+F80H \$:LA71X)EC:B.A73(W:/DAB.ER-)F75WEN00?
10 W:/TFP"70Q LF75/RF("B03 NAP:\$/E80KF W:/NE71PE\$ NA:(ANF73H T.A&:B.I92Y(A?
W:/ZFRA70X B.A/XO33\$EK:03)OWR/E80KF WA):AP"LFT:/KF73
K.A75/C.FH:FRF75YIM00? 11 W:/NFX:/AKF74 Y:HWFH02 T.FMIYD01 W:/HI&:B.I70Y(A
B.:/CAX:CFXOWT03 NAP:\$/E80KF? W:/AC:MOTE73Y/KF YAX:ALI92YC
W:/HFYI33YTF03 K.:/GA74N RFWE80H? W:/K:/MOWCF74) MA80YIM):\$E71R
LO)-Y:KAZ.:B73W. M"YMF75Y/W00? 12 W:/BFN70W. MI/M.:KF03 XFR:BO74WT
(OWLF80M MOWS:D"71Y DOWR-WF/DO73WR T.:QOWM"92M? W:/QORF70) L:/KF03
G.OD"74R P.E80REC M:\$OB"71B N:TIYBO73WT LF/\$F75BET00? 13)IM-T.FSI70YB
MI/\$.AB.FT03 RAG:L/E80KF (:A&O71WT X:APFCE73Y/KF B.:/YO74WM QFD:\$/I92Y?
W:/QFRF63)TF LA/\$.AB.F61T (O81NEG LI/Q:DO70W\$ Y:HWFH03 M:KUB.F80D?
W:/KIB.AD:T./OW03 M"/(:A&O74WT D.:RFKE80Y/KF MI/M.:CO71W) XEP:C:/KF73
W:/DAB."71R D.FBF75R00? 14)F81Z)F81Z T.IT:(AN.AG03 T.IT:(AN.AG03
(AL-(AL-Y:HWF80H Y:HWF80H W:/HIR:K.AB:T.I73Y/KF W:/HIR:K.AB:T.I73Y/KF
**B.F74M:FT"Y]9 (AL-)F92REC? **B.F74M:FT"Y]9 W:/HA):AKAL:T.I81Y/KF)F92REC?
NAX:ALAT03 W:/HA):AKAL:T.I81Y/KF YA:(AQO74B NAX:ALAT03)FBI80Y/KF
YA:(AQO74B K.I91Y)FBI80Y/KF P.I71Y K.I91Y Y:HWF73H P.I71Y D.IB."75R00
Y:HWF73H D.IB."75R00 59 1 H"91N LO75)-QFC:RF71H YAD-Y:HWF73H
M"75/HOW\$92Y(A W:/LO)-KFB:DF71H)FZ:N/O73W MI/\$.:MO75W(A00? 2 K.I70Y
)IM-(AWONO75T"Y/KEM03 HFY74W. MAB:D.II80YM B."YN/"KE85M L:/B"73YN
):ELO75H"Y/KE92M? W:/XA+.O75)WT"Y/KE81M HIS:T.I94YRW. PFNI91YM MI/K.E73M
MI/\$.:MO75W(A00? 3 K.I70Y KAP."Y/KEM03 N:GO):AL74W. BA/D.F80M
W:/)EC:B.:OWT"Y/KE73M B.E75/(FWO92N? &IP:TO75WT"Y/KEM03 D.IB.:RW.-\$E80QER
L:\$OWN:/KE73M (AW:LF71H TEH:G.E75H00? 4)"YN-QOR"74) B:/CE80DEQ W:/)71YN
NIS:P.F73+ B.E/):EMW.NF92H? B.F+O70WXA (AL-T.O33HW.03 W:/DAB.ER-\$F80W:)
HFRO71W (FMF73L W:/HOWL"71YD)F75WEN00? 5 B."YC"70Y CIP:(OWNIY03
B.IQ."80(W. W:/QW.R"71Y (AK.FBI73Y\$ YE):ERO92GW.? HF/)OK"70L
MI/B."75YC"Y/HEM03 YFM80W.T W:/HA/Z.W.RE73H T.IB.FQA71()EP:(E75H00?
6 Q75W.R"Y/HEM03 LO)-YIH:Y74W. L:/BE80GED W:/LO71) YIT:K.AS.73W.
B.:/MA75(:A&"Y/HE92M? MA75(:A&"Y/HEM03 MA75(:A&"Y)-F80WEN W:/PO71(AL
XFMF73S B.:/KAP."Y/HE75M00? 7 RAG:L"Y/HEM03 LF/RA74(YFRU80CW.
WI75/YMAH:AR80W. LI/\$:P.O73K: D.F74M NFQI92Y? MAX:\$:BO75WT"Y/HEM03
MAX:\$:BO74WT)F80WEN \$O71D WF/\$E73BER B.I/M:SIL.OWT/F75M00? 8 D.E70REK:
\$FLOWM03 LO74) YFDF80(W. W:/)71YN MI\$:P.F73+ B.:/MA:(G.:LOWT/F92M?
N:TIYBO75WT"Y/HEM03 (IQ:.\$74W. L/FHE80M 10K.OL D.OR"74K: B./F80H. LO71)
YFDA73(\$FLO75WM00? 9 (AL-K."81N RFXA70Q MI\$:P.F+03 MI/M./E80N.W. W:/LO71)
TA&.IYG/"73NW. C:DFQF92H? N:QAW.E70H LF/OWR03 W:/HIN."H-XO80\$EK:
LI/N:GOHO73WT B.F):AP"LO71WT N:HAL."75K:00? 10 N:GA75\$:SF70H
KA75/(IW:RIYM03 QI80YR W:/K:)"71YN ("YNA73YIM N:GA\$.92\$FH? K.FSA70L:NW.
BA75/C.FH:FRA33YIM03 K.A/N.E80\$EP B.F)A\$:MAN.I73YM K.A/M."TI75YM00?
11 NEH:EME70H KA/D.UB.IYM03 K.U.L./F80NW. W:/KA/Y.OWNI73YM HFGO74H
NEH:G.E92H? N:QAW.E70H LA/M.I\$:P.F+03 WF)A80YIN LI75/Y\$W.(F73H RFX:AQF71H
MI/M./E75N.W.00? 12 K.I75Y-RAB.70W. P:\$F("33Y/NW.03 NEG:D./E80KF
W:/XA+.O)WT"73Y/NW. (F74N:TFH B./F92NW.? K.I75Y-P:\$F("74Y/NW.)IT./F80NW.
WA/(:AWONOT"73Y/NW. Y:DA75(:AN75W./M00? 13 P.FSO70(A W:/KAX"\$03
B.A75/YHWF80H W:/NFSO73WG M"/)AXA74R):ELOH"92Y/NW.? D.AB.ER-(O74\$EQ
W:/SFRF80H HORO94W W:/HOGO91W MI/L."73B D.IB:R"Y-\$F75QER00? 14 W:/HUS.A70G
)FXOWR03 MI\$:P.F80+ W:/C:DFQF73H M"/RFXO74WQ T.A:(AMO92D?
K.I75Y-KF\$:LF70H BF75/R:XOWB03)EME80T W:/N:KOXF73H LO)-TW.KA71L
LF/BO75W)00? 15 WA/T.:HI70Y HF75/):EMET03 NE:(D.E80RET W:/SF71R M"/RF73
MI\$:T.OWL"92L? WA/Y.A94R: Y:HWF91H WA/Y."71RA(B.:/("YNF73Y/W K.I75Y-)"71YN
MI\$:P.F75+00? 16 WA/Y.AR:03 K.I75Y-)"74YN)I80Y\$ WA/Y.I\$:T.OWM"73M K.I74Y
)"74YN MAP:G.I92Y(A? WA/T.O70W\$A75(L/OW03 Z:RO(/O80W W:/CID:QFT/O73W
HI71Y) S:MFKF75T:/HW.00? 17 WA/Y.IL:B.A70\$ C:DFQFH03 K.A/\$.IR:YF80N

W:/KO71WBA(Y:\$W.(F73H B.:/RO)\$/O92W? WA/Y.IL:B.A62\$ B.IG:D"70Y NQFM03
T.IL:B.O80\$ET WA/Y.A71(A+ K.A/M:(I73YL QIN):F75H00? ¹⁸ K.:/(A70L G.:MULOWT03
K.:/(A74L Y:\$AL."80M X"MF74H L:/CFRF80Y/W G.:M73W.L L:/)O75Y:BF92Y/W?
LF/)IY.I73YM G.:M71W.L Y:\$AL."75M00? ¹⁹ W:/YI75YR:)70W. MI75/M.A(:ARFB03
)ET-\$"74M Y:HWF80H W./MI/M.IZ:RAX-\$E73ME\$)ET-K.:BOWD/O92W?
K.I75Y-YFBO70W) KA/N.FHFR03 CF80R R71W.XA Y:HWF73H NO71S:SFH B/O75W00?
²⁰ W./BF70) L:/CIY.OWN03 G.OW)"80L W./L:\$FB"71Y PE73\$(B.:/YA75(:AQO92B
N:)U73M Y:HWF75H00? ²¹ WA):ANI81Y ZO74)T B.:RIYT/I70Y)OWT/FM03)FMA74R
Y:HWF80H RW.X/IY03):A\$E74R (FLE80Y/KF W./D:BFR/A73Y):A\$ER-?&A74M:T.IY
B.:/PI92Y/KF LO75)-YFM83W.\$W. MI/P.IY/KF04 W./MI/P.I63Y ZAR:(/:AKF61
W./MI/P.I63Y ZE70RA(ZAR:(/:AKF03)FMA74R Y:HWF80H? M"/(AT.F73H
W:/AD-(OWLF75M00 **60** ¹ Q71W.MIY)O73WRIY K.I74Y BF74))OWR/"92K:
W./K:BO71WD Y:HWF73H (FLA71Y/IK: ZFRF75X00? ² K.I75Y-HIN."70H HA/XO33\$EK:03
Y:KAS.EH)E80REC WA/(:ARFPE73L L:)UM.I92YM? W:/FLA33Y/IK:03 YIZ:RA74X
Y:HWF80H W./K:BOWD/O73W (FLA71Y/IK: Y"RF)E75H00? ³ W:/HFL:K71W. GOWYI73M
L:/)OWR/"92K: W./M:LFKI73YM L:/NO71GAH. ZAR:X/"75K:00? ⁴ &:)I75Y-SFBI70YB
("YNA33Y/IK:03 W./R:)I80Y K.UL./F73M NIQ:B.:C74W. BF75)W.-L/F92K:?
B.FNA33Y/IK:03 M"/RFXO74WQ YFBO80)W. W./B:NOTA73Y/IK: (AL-CA71D
T.)FMA75NFH00? ⁵)F70Z T.IR:)IY03 W:/NFHA80R:T.: W./PFXA71D W:/RFXA73B
L:BFB/"92K: K.I75Y-Y"HFP"70K: (FLA33Y/IK:03 H:AMO74WN YF80M X"71YL
G.OWYI73M YFBO71)W. L/F75K:00? ⁶ \$I75P:(A63T G.:MAL.I61YM T.:KAS."81K:
B.IK:R"70Y MID:YFN03 W:/("YPF80H? K.UL./F73M MI/\$.:BF74) YFBO92)W.? ZFHF70B
W./L:BOWNFH03 YI&.F80)W. W./T:HIL.O71T Y:HWF73H Y:BA&."75RW.00?
⁷ K.FL-CO70)N Q"DFR03 YIQ.F74B:CW. L/F80K:)"YL"71Y N:BFYO73WT
Y:\$FR:T92W.N/EK: YA:(AL70W. (AL-RFCOWN03 MIZ:B.:X/I80Y W./B"71YT
T.IP:)AR:T./I73Y):APF)"75R00? ⁸ MIY-)"73L.EH K.F/(F74B T.:W.PE92YNFH
W:/KA/Y.OWNI73YM)EL-):ARUB.OT"Y/HE75M00? ⁹ K.I75Y-L/I74Y05)IY.I74YM
Y:QAW.81W. WF/):FNIY.O70WT T.AR:\$IY\$03 B.F/RI74)\$ONF80H? L:/HFBI70Y)
BFNA33Y/IK:03 M"75/RFXO80WQ K.AS:P./F71M W./Z:HFB/F73M)IT./F92M? L:/S"75M03
Y:HWF74H):ELOHA80Y/IK: W:/LI/Q:DO71W\$ YI&:RF)"73L K.I71Y P"):AR/F75K:00?
¹⁰ W./BFN70W. B:N"75Y-N"KFR03 XOMOTA80Y/IK: W./MAL:K"Y/HE73M
Y:\$FR:T92W.N/EK: K.I70Y B:/QIC:P./IY03 HIK.IYTI80Y/K: W./BI/R:COWN/I73Y
RI75XAM:T.I75Y/K:00? ¹¹ W./PIT.:X63W. \$(FRA94Y/IK: T.FMI91YD YOWMF71M
WF/LA73Y-LFH LO74) YIS.FG"92RW.?)3 L:/HFBI70Y))"LA33Y/IK:03 X"74YL
G.OWYI80M W./MAL:K"Y/HE73M N:HW.GI75YM00? ¹² K.I75Y-HA/G.O94WY
W:/HA/M.AM:LFKF91H):A\$E71R LO)-YA(AB:D73W./K: YO)B"92DW.
W:/HA/G.OWYI73M XFRO71B YEX:ERF75BW.00? ¹³ K.:BO70WD HA/L.:BFNOWN03
)"LA74Y/IK: YFBO80W) B.:RO91W\$ T.ID:HF71R W./T:)A\$.73W.R YAX:D.F92W?
L:/PF)"R03 M:QO74WM MIQ:D.F\$/I80Y W./M:QO71WM RAG:L/A73Y):AKAB."75D00?
¹⁴ W:/HFL:K63W.)"LA70Y/IK: \$.XO33WXA03 B.:N"74Y M:(AN.A80Y/IK:
W:/HI75\$:T.AX:AW91W. (AL-K.AP.O71WT RAG:LA73Y/IK: K.FL-M:NA75):ACF92Y/IK:?
W:/QF70R:W. L/FK:03 (I74YR Y:HWF80H CIY.O73WN Q:DO71W\$ YI&:RF)"75L00?
¹⁵ T.A94XAT H:EYOWT/"91K: (:AZW.BF71H W./&:NW.)F73H W:/)"74YN (OWB"92R?
W:/&AM:T.IY/K:03 LI/G:)O74WN OWLF80M M:&O73W& D.O71WR WF/DO75WR00?
¹⁶ W:/YFNAQ:T.:03 X:AL"74B G.OWYI80M W:/SO71D M:LFKI73YM T.IYNF92QIY?
W:/YFDA81(AT.: K.I74Y):ANI70Y Y:HWFH03 MO75W\$IY("/80K: W:/GO):AL/"73K:
):ABI71YR YA(:AQO75B00? ¹⁷ T.A74XAT HA/N.:XO61\$ET)FBI74Y) ZFHF81B
W:/TA70XAT HA/B.AR:ZEL03)F74BIY) KE80SEP? W:/TA70XAT HF75("CIYM03
N:XO80\$ET W:/TA71XAT HF/):ABFNI73YM B.AR:ZE92L? W:/&AM:T.I70Y
P:QUD.FT/"K:03 \$FLO80WM W:/NOG:&A73Y/IK: C:DFQF75H00? ¹⁸ LO)-YI\$.FMA63(
(O70WD XFMFS03 B.:)AR:C/"80K: \$O71D WF/\$E73BER B.I/G:BW.LF92Y/IK:?
W:/QFRF70)T Y:\$W.(FH03 XOWMOTA80Y/IK: W./\$(FRA73Y/IK: T.:HIL.F75H00?
¹⁹ LO)-YI75H:YEH-L./F63K: (O70WD HA/.\$E33ME\$03 L:/)O74WR YOWMF80M?
W./L:/NO85GAH. HA/Y.FR"73XA LO)-YF)I74YR L/F92K: W:/HFYFH-L/F70K: Y:HWFH03
L:/)O74WR (OWLF80M W"/)LOHA73Y/IK: L:/TIP:)AR:T/"75K:00? ²⁰ LO)-YFBO71W)
(OWD03 \$IM:\$/"80K: WI/YR"X/"73K: LO74) Y)"FS"92P? K.I74Y Y:HWF81H
YI75H:YEH-L./FK:03 L:/)O74WR (OWLF80M W:/\$FL:M73W. Y:M"71Y)EB:L/"75K:00?

W:/(AM/"K:03 K.UL/F74M CAD.IYQI80YM L:(OWLF73M YI74YR:\$W.)F92REC?
N"94CER **MA+F(/A91Y MA:(A&"71H YFD/A73Y L:/HIT:P.F)"75R00? 22 HA/Q.F+ON03
YI75H:YE74H LF/)E80LEP W:/HA/C.F(I73YR L:/GO74WY (FC92W.M?):ANI71Y
Y:HWF73H B.:(IT/F71H.):AXIY\$/E75N.FH00 61 1 R91W.XA):ADONF71Y Y:HWI73H
(FL/F92Y YA83(AN MF\$AX04 Y:HWF63H)OT/I61Y? L:/BA&"74R (:ANFWI81YM
\$:LFX/A33NIY03 LA/X:ABO74\$ L:/NIS:B.R"Y-L"80B? LI/Q:RO70) LI/\$:BW.YIM03
D.:RO80WR W:/LA/):ASW.RI73YM P.:QAX-QO75WXA00? 2 LI/Q:RO70)
\$:NAT-RFCOWN03 LA75/YHWF80H W:/YO71WM NFQF73M L"/)LOH"92Y/NW.?
L:/NAX"73M K.FL-):AB"LI75YM00? 3 LF/&74W.M05 LA/):AB"L"74Y CIY.O81WN
LF/T"04 L/FHE63M P.:)"61R? T.A74XAT)"81PER? \$E70MEN &F&OWN03 T.A74XAT
)"80BEL MA:(A+"74H T:HIL.F80H T.A73XAT R74W.XA K."HF92H? W:/QORF70)
L/FHEM03)"YL"74Y HA/C.E80DEQ MA+.A71(Y:HWF73H L:/HIT:P.F)"75R00?
4 W./BFNW.03 XFR:BO74WT (OWLF80M \$OM:MO71WT RI75)\$ONI73YM
Y:QOWM"92MW.? W:/XID:\$W.03 (F74R"Y XO80REB \$OM:MO73WT D.O71WR
WF/DO75WR00? 5 W:/(FM:D74W. ZFRI80YM W:/RF(73W. CO)N:KE92M W./B:N"74Y
N"KF80R)IK.FR"Y/KE73M W:/KOR:M"Y/KE75M00? 6 W:/)AT.E81M K.OH:AN"70Y
Y:HWFH03 T.IQ.FR"80)W. M:\$FR:T"74Y):ELOH"80Y/NW. Y)"FM"73R L/FKE92M?
X"70YL G.OWYIM03 T.O)K"80LW. W./BI/K:BOWD/F73M T.IT:YAM.F75RW.00?
7 T.A70XAT B.F\$:T./:KEM03 MIS:NE80H W./K:LIM.F73H YFRO74N.W. XEL:Q/F92M?
LF/K"70N B.:)AR:C/FM03 MIS:NE74H YIYRF80\$W. &IM:XA71T (OWLF73M
T.IH:YE71H)3 L/FHE75M00? 8 K.I74Y):ANI70Y Y:HWFH03)OH"74B MIS:P.F80+ &ON"71)
GFZ"73L B.:/(OWLF92H? W:/NFTAT.I70Y P:(UL.FT/FM03 B.E/):EME80T W./B:RI71YT
(OWLF73M)EK:RO71WT L/FHE75M00? 9 W:/NOWDA70(B.A/G.OWYIM03 ZAR:(F80M
W:/CE):ECF)"Y/HE73M B.:/TO74WK: HF/(AM.I92YM? K.FL-RO75)"Y/HEM03
YAK.IYR80W./M K.I91Y H"71M ZE73RA(B."RA71K: Y:HWF75H00 10 &O94W&)F&I74Y&
B.A75/YHWF81H T.FG"70L NAP:\$/IY03 B."75/)LOH/A80Y? K.I70Y HIL:B.IY\$/A33NIY03
B.IG:D"Y-YE80\$A(M:(I71YL C:DFQF73H Y:(F+/F92NIY? K.E75/XFTFN03 Y:KAH"74N
P.:)"80R W:/KA/K.AL.F73H T.A:(D.E71H K"LE75Y/HF00? 11 K.I70Y KF)F33REC03
T.OWC(I74Y) CIM:X/F80H. W./K:/GAN.F73H Z"RW.(E74Y/HF TAC:MI92YXA? K."74N05
):ADONF74Y Y:HWI81H YAC:MI70YXA C:DFQFH03 W./T:HIL.F80H NE73GED
K.FL-HA/G.OWYI75M00? 62 1 L:MA70(AN CIY.OWN03 LO74))EX:ESE80H
W./L:MA71(AN Y:RW.\$FLA73IM LO74))E\$:QO92W+? (AD-Y"C"70) KA/N.O33GAH.03)3
CID:Q/"F80H. WI/Y\$W.(FT/F73H. K.:/LAP.I71YD YIB:(F75R00? 2 W:/RF)70W. GOWYIM03
CID:Q/"80K: W:/KFL-M:LFKI73YM K.:BOWD/"92K:? W:/QO70RF) L/FK:03 \$"74M
XFDF80\$):A\$E91R P.I71Y Y:HWF73H YIQ.:FB/E75N.W.00? 3 W:/HFYI91YT:|1 (:A+E71RET
T.IP:)E73RET B.:/YAD-Y:HWF92H **W./C:NI71YP M:LW.KF73H
B.:/KAP-?):ELOHF75Y/IK:00? 4 LO75)-Y)"FM"R04 L/F63K: (O61WD (:AZW.BF81H
W./L:/)AR:C/"K:03 LO)-Y)"FM"71R (OWD03 \$:MFMF80H? K.I74Y L/F81K: YIQ.FR")03
XEP:C/IY-B/F80H. W./L:/)AR:C/"73K: B.:(W.LF92H? K.I75Y-XFP"70C Y:HWFH03 B./F80K:
W:/)AR:C/"73K: T.IB.F("75L00? 5 K.I75Y-YIB:(A70L B.FXW.R03 B.:TW.LF80H
YIB:(FL73W./K: B.FNF92Y/IK:? W./M:&O70W& XFTFN03 (AL-K.AL.F80H YF&I71Y&
(FLA73Y/IK:):ELOHF75Y/IK:00? 6 (AL-XOWMOTA74Y/IK: Y:RW.\$FLA81IM
HIP:QA33D:T.IY03 \$O75M:RI80YM? K.FL-HA/Y.O94WM W:/KFL-HA/L.A91Y:LFH
T.FMI73YD LO74) YEX:ES92W.? HA/M.AZ:K.IRIYM03)ET-Y:HWF80H)AL-D.:FMI73Y
L/FKE75M00? 7 W:/)A75L-T.IT.:N71W. D:FMI73Y L/O92W (AD-Y:KOWN"62N?
W:/(AD-YF&I94YM)ET-Y:R75W.\$FLA91IM T.:HIL.F73H B.F/F75REC00? 8 NIS:B.A94(
Y:HWF91H B.I75/YMIYN/O73W W./BI/Z:RO74W(A (UZ./O92W?)IM-)ET."N04
)ET-D.:GFN/"63K: (O70WD MA75):AKFL03 L:/)O74Y:BA80Y/IK:? W:/)IM-YIS:T.70W.
B:N"75Y-N"KFR03 T.I75YROW\$/"80K:):A\$E71R YFGA73(AT.: B./O75W00? 9 K.I70Y
M):AS:PFY/W03 YO)K:LU80/HW. W:/HI75L:L73W.)ET-Y:HWF92H?
W.75/M:QAB.:CF71Y/W YIS:T.U73/HW. B.:/XAC:RO71WT QFD:\$/I75Y00 10 (IB:R70W.
(IB:RW.03 B.A/\$:(FRI80YM P.AN.73W. D.E74REK: HF/(F92M? SO74L.W. SO70L.W.
HA75/M:SIL.FH03 SAQ.:L74W. M")E80BEN? HFRI71YMW. N"73S (AL-HF/(AM.I75YM00?
11 HIN."74H Y:HWF81H HIS:MI33Y(A03)EL-Q:C"74H HF/)F80REC?)IM:RW.03
L:/BAT-CIY.O80WN HIN."71H YIS:(/"73K: B.F92)? HIN."70H &:KFR/OW03)IT./O80W
W./P:(UL.FT/O73W L:/PFNF75Y/W00? 12 W:/QFR:71W. L/FHE91M (AM-HA/Q.O73DES
G.:)W.L"74Y Y:HWF92H? W:/L/FK:03 YIQ.FR"74) D:RW.\$F80H (I73YR LO71)

NE(:EZF75BFH00 **63** ¹ MIY-ZE74H05 B.F74) M"/):EDO81WM X:AM70W.C B.:GFDIYM03 MI/B.FC:RF80H? 10ZEH HFD74W.R B.I/L.BW.\$/O80W CO(E73H B.:/RO74B K.OX/O92W?):ANI91Y M:DAB."71R B.I/C:DFQF73H RA71B L:/HOW\$I75Y(A00? ² MAD.71W.(A)FDO73M LI/L:BW.\$/E92KF W./B:GFDE73Y/KF K.:/DOR"71K: B.:/GA75T00? ³ P.W.RF74H05 D.FRA74K:T.IY L:/BAD./I81Y W./M"75/(AM.IYM03)"75YN-)I74Y\$)IT./I80Y? W:/)ED:R:K/"74M B.:/)/AP./I80Y W:/)ER:M:S/"73M B.A/X:AMFT/I92Y? W:/Y"70Z NIC:X/FM03 (AL-B.:GFD/A80Y W:/KFL-MAL:B.W.\$/A73Y)EG:)F75L:T.IY00? ⁴ K.I91Y YO71WM NFQF73M B.:/LIB./I92Y W./\$:NA71T G.:)W.L/A73Y B.F75)FH00? ⁵ W:/)AB.IY+03 W:/)"74YN (OZ"80R W:/)E\$:T.OWM"73M W:/)"74YN SOWM"92K: WA/T.O70W\$A75(L/IY03 Z:RO(I80Y WA/X:AMFT/I73Y HI71Y) S:MFKF75T:/NIY00? ⁶ W:/)FB70W.S (AM.IYM03 B.:/AP./I80Y WA/):A\$AK.R/"73M B.A/X:AMFT/I92Y? W:/)OWR171YD LF)F73REC NIC:X/F75M00 ⁷ XA75S:D"63Y Y:HWF70H05)AZ:K.IYR03 T.:HIL.O74T Y:HWF80H? K.:(A85L K.O71L):A\$ER-G.:MFL/F73NW. Y:HWF92H W:/RAB-+W.B03 L:/B"74YT YI&:RF)"80L?):A\$ER-G.:MFL/F71M K.:75/RAX:AMF73Y/W W./K:/RO71B X:ASFDF75Y/W00? ⁸ WA/Y.O33)MER03)AK:- (AM./I74Y H"80M.FH B.FNI73YM LO74) Y:\$AQ."92RW.? WA/Y:HI71Y L/FHE73M L:/MOW\$I75Y(A00 ⁹ B.:75/KFL-CFRFT/F74M05? **L/O74W CF81R W./MAL:)A70K: P.FNFY/W03 HO75W\$IY(F80M? B.:/AH:ABFT/O71W W./B:/XEM:LFT/O73W H74W.) G:/FL/F92M? WA75/Y:NA+.L/"71M WA75/Y:NA&:)"73M K.FL-Y:M"71Y (OWLF75M00? ¹⁰ W:/H"91M.FH MFR71W. W:/)IC:B73W.)ET-R74W.XA QFD:\$/O92W? WA/Y."HFP"71K: L/FHE91M L:/)OWY"73B H71W.) NIL:XAM-B./F75M00? ¹¹ WA/Y.IZ:K.O71R Y:M"75Y-(OWLF73M MO\$E74H (AM./O92W?)AY."74H05 HA75/M.A(:AL/"74M MI/Y.F81M 10)"T RO("74Y CO)N/O80W?)AY."91H HA/&F71M B.:/QIR:B./O73W)ET-R71W.XA QFD:\$/O75W00? ¹² MOWLIYK:03 LI/YMI74YN MO\$E80H Z:RO73W(A T.IP:)AR:T./O92W? B.O70WQ"75(A MA33YIM03 MI/P.:N"Y/HE80M LA/(:A&O71WT L/O73W \$"71M (OWLF75M00? ¹³ MOWLIYK/F73M B.A/T.:HOMO92WT K.A/S.71W.S B.A/M.ID:B.F73R LO71) YIK.F\$"75LW.00? ¹⁴ K.A/B.:H"MFH03 B.A/B.IQ:(F74H T"R"80D R71W.XA Y:HWF73H T.:NIYX/E92N.W.? 10K."N NIHA74G:T.F (AM./:KF80 LA/(:A&O71WT L:/KF73 \$"71M T.IP:)F75RET00? ¹⁵ HAB."70+ MI/\$.FMA33YIM03 W./R:) "80H MI/Z.:BU71L QFD:\$:/KF73 W:/TIP:)AR:T./E92KF?)AY."70H QIN:)F95T:/KF03 W./G:B74W.ROT/E80KF H:AMO71WN M"(E91Y/KF? W:/75/RAX:AME73Y/KF)"L/A71Y HIT:)AP.F75QW.00 ¹⁶ K.I75Y-)AT.F74H)FBI80Y/NW.? K.I70Y)AB:RFHFM03 LO74) Y:DF(F80NW. W:/YI&:RF)"73L LO74) YAK.IYR/F92NW.?)AT.F70H Y:HWFH03)FBI80Y/NW. G.O):AL/"71NW. M"75/(OWLF73M \$:M/E75KF00? ¹⁷ LF74/M.FH TAT:(/"70NW. Y:HWFH03 MI/D.:RFKE80Y/KF T.AQ:\$I71YXA LIB./"73NW. MI/Y.IR:)FT/E92KF? ¹⁸ 10\$W.B L:MA74(AN (:ABFDE80Y/KF \$IB:+)73Y NAX:ALFT/E75KF00? ¹⁸ LA/M.IC:(F85R YFR:\$73W. (AM-QFD:\$/E92KF CFR"85Y/NW. B.OWS:\$73W. MIQ:D.F\$/E75KF00? ¹⁹ HFYI81YNW. M"75/(OWLFM03 LO75)-MF\$A74L:T.F B./F80M LO75)-NIQ:RF71) \$IM:/KF73 (:AL"Y/HE92M? LW.)-QFRA70(:T.F \$FMA33YIM03 YFRA80D:T.F MI/P.FNE73Y/KF HFRI71YM NFZO75L.W.00? **64** ¹ K.I/Q:DO94XA)"74\$ H:AMFSI81YM 10MAYIM T.IB:(EH-)"80\$? L:/HOWDI71Y(A \$IM:/KF73 L:/CFRE92Y/KF MI/P.FNE73Y/KF G.OWYI71M YIR:G.F75ZW.00? ² B.A/(:A&OWT:/KF71 NOWRF)O73WT LO74) N:QAW.E92H YFRA85D:T.F MI/P.FNE73Y/KF HFRI71YM NFZO75L.W.00? ³ W./M"/(OWLF71M LO)-\$FM:(73W. LO74) HE):EZI92YNW.? (A74YIN LO75)-RF)F81TFH):ELOHIYM03 ZW.LF74T:/KF80 YA(:A&E73H LI/M:XAK."H-L/O75W00? ⁴ P.FGA70(:T.F)ET-&F&03 W:/(O74&"H CE80DEQ B.I/D:RFKE73Y/KF YIZ:K.:R92W./KF H"N-)AT.F70H QFCA33P:T.F03 WA75/N.EX:E+F80) B./FHE71M (OWLF73M W:/NIW.F\$"75(A00? ⁵ WA/N.:HI70Y KA/+FM)"03 K.UL./F80NW. W./K:/BE71GED (ID.I73YM K.FL-CID:QOT"92Y/NW.? WA/N.F70BEL K.E75/(FLEH03 K.UL./F80NW. WA/(:AWON/"73NW. K.F/R71W.XA YI&:F)U75/NW.00? ⁶ W:/)"YN-QOWR"74) B:/\$IM:/KF80 MIT:(OWR"73R L:/HAX:AZI74YQ B./F92K: K.I75Y-HIS:T.A70R:T.F PFNE33Y/KF03 MI/M./E80N.W. WA/T.:MW.G/"73NW. B.:YAD-(AWON/"75NW.00? ⁷ W:/)AT.F71H Y:HWF73H)FBI74Y/NW.)F92T.FH?):ANA70X:NW. HA/XO33MER03 W:/)AT.F74H YOC:R/"80NW. W./MA(:A&"71H YFD:/KF73 K.UL./F75NW.00? ⁸)AL-T.IQ:CO70P Y:HWFH03 (AD-M:)O80D W:/)AL-LF/(A73D T.IZ:K.O74R (FWO92N? H"71N HAB.E+-NF73) (AM./:KF71 KUL./F75NW.00 ⁹ (FR"71Y QFD:\$:/KF73 HFY74W. MID:B.F92R? CIY.OWN03 MID:B.F74R HFYF80TFH Y:RW.\$FLA73IM \$:MFMF75H00? ¹⁰ B."94YT QFD:\$/"74NW. W:/TIP:)AR:T./"81NW.):A\$E70R HI75L:L33W./KF03

):ABOT"80Y/NW.? HFYF73H LI&:R"74PAT)"92\$ W:/KFL-MAX:AMAD."73Y/NW.
 HFYF71H L:/XFR:B.F75H00? 11 HA/(AL-)"71L.EH TIT:)AP.A73Q Y:HWF92H T.EX:E\$E71H
 W./T:(AN./"73NW. (AD-M:)O75D00 65 1 NID:RA33\$:T.IY03 L:/LO74W) \$F)F80LW.
 NIM:C"73)TIY L:/LO74) BIQ:\$U92/NIY?)FMA33R:T.IY03 HIN./"74NIY HIN./"80NIY
)EL-G.O73WY LO75)-QORF71) BI/\$:M/I75Y00? 2 P."RA94&:T.IY YFD/A91Y
 K.FL-HA/Y.O73WM)EL-(A74M SOWR"92R? HA/HOL:KIYM03 HA/D.E74REK:
 LO)+O80WB)AXA73R MAX:\$:BOT"Y/HE75M00? 3 HF/(F81M HA/M.AK:(IYSI71YM
)OWT/I91Y (AL-P.FN/A73Y T.FMI92YD? ZO75B:XIYM03 B.A/G.AN.O80WT
 W.95/M:QA+:RI73YM (AL-HA/L.:B"NI75YM00? 4 HA/Y.O75\$:BIYM03 B.A/Q.:BFRI80YM
 W./BA/N.:CW.RI73YM YFLI92YNW.? HF/)O75K:LIYM03)3 B.:&A74R HA/X:AZI80YR
 **W./M:RA71Q P.IG.ULI73YM K.:L"Y/HE75M00? 5 HF/)O75M:RIYM03 Q:RA74B
)"LE80Y/KF)AL-T.IG.A\$-B./I73Y K.I74Y Q:DA\$:T.I92Y/KF? 10)"L.EH (F\$F74N
 B.:)AP./I80Y)"71\$ YOQE73DET K.FL-HA/Y.O75WM00? 6 HIN."71H K:TW.BF73H
 L:/PFNF92Y? LO70))EX:E&EH03 K.I74Y)IM-\$IL.A80M:T.IY W:/\$IL.AM:T.I73Y
 (AL-X"YQ/F75M00? 7 14:(AWONOT"Y/KEM WA/(:AWONO63T):ABOWT"Y/KE70M
 YAX:D.FW03)FMA74R Y:HWF80H?):A\$E70R QI+.:RW.03 (AL-HE74/HFRI80YM
 W:/AL-HA/G.:BF(O73WT X"R:P92W./NIY? W./MAD.OTI94Y P:(UL.FT/F91M
 RI75)\$ONF73H **JEL-X"YQ/F75M00 8 K.O74H05)FMA74R Y:HWF81H K.A/):A\$E63R
 YIM.FC"70) HA/T.IYROW\$03 B.F75/)E\$:K.O80WL? W:/)FMAR03)AL-T.A\$:XIYT/"80HW.
 K.I71Y B:RFKF73H B./O92W? K."70N)E75(:E&EH03 L:MA74(AN (:ABFD/A80Y
 L:/BIL:T.I73Y HA95\$:XI71YT HA/K.O75L00? 9 W:/HOWC")TI70Y MI75/Y.A:(AQOB03
 ZE80RA(W./MI/YHW.DF73H YOWR"74\$ HFR/F92Y? W/YR"\$74W./HF B:XIYR/A80Y
 WA/(:ABFD/A73Y YI\$:K.:NW.-\$F75M.FH00? 10 W:/HFYF70H HA/\$.FROWN03
 LI/N:W"H-CO80)N W:/("71MEQ (FKO73WR L:/R"74BEC B.FQF92R? L:/)AM./I73Y
):A\$E71R D.:RF\$75W./NIY00? 11 W:/)AT.EM03 (OZ:B"74Y Y:HWF80H HA/\$:K"XI73YM
)ET-HA74R QFD:\$/I92Y? HA95/(OR:KI70YM LA/G.AD03 \$UL:XF80N
 W:/HA75/M:MAL:)I73YM LA/M:NI71Y MIM:SF75K:00? 12 W./MFNI63YTIY)ET/:KE61M
 LA/XE81REB W:/KUL./:KEM03 LA/+E74BAX T.IK:RF80(W.? YA70(AN QFRF33)TIY03
 W:/LO74) (:ANIYTE80M D.IB.A73R:T.IY W:/LO74) \$:MA:(T.E92M? WA/T.A:(A&70W.
 HF/RA(03 B.:("YN/A80Y W./BA/):A\$E71R LO75)-XFFA73C:T.IY B.:XAR:T.E75M00
 13 LF/K"62N K.OH-)FMA74R05):ADONF74Y Y:HWI81H? HIN."63H (:ABFD/A70Y05
 YO)K"33LW.03 W:/)AT.E74M T.IR:(F80BW.? HIN."94H (:ABFD/A91Y YI\$:T.73W.
 W:/)AT.E74M T.IC:MF92)W.? HIN."94H (:ABFD/A91Y YI&:MF73XW. W:/)AT.E71M
 T."BO75\$W.00? 14 HIN."94H (:ABFD/A91Y YFRO73N.W. MI/+74W.B L"92B? W:/)AT.E70M
 T.IC:(AQW.03 MI/K.:)"74B L"80B W./MI/\$."71BER R73W.XA T.:Y"LI75YLV.00?
 15 W:/HIN.AX:T.E63M \$IM/:KE70M LI/\$:BW.(FH03 LI/B:XIYR/A80Y WE/H:EMIYT/:KF73
):ADONF74Y Y:HWI92H? W:/LA/(:ABFDF71Y/W YIQ:RF73) \$"71M)AX"75R00?
 16):A\$E63R HA/M.IT:B.FR"61K: B.F)F81REC YIT:B.FR"K:03 B."/)LOH"74Y)FM"80N?
 W:/HA/N.I\$:B.F74(B.F)F80REC YI\$.FBA73(B."/)LOH"74Y)FM"92N? K.I74Y
 NI\$:K.:X81W. HA/C.FROWT03 HF/RI74)\$ONO80WT W:/KI71Y NIS:T.:R73W.
 M"/("YN/F75Y00? 17 K.I75Y-HIN/:NI71Y BOWR"91) \$FMA71YIM X:ADF\$I73YM
 WF)/F74REC X:ADF\$F92H? W:/LO70) TIZ.FKA33R:NFH03 HF/RI74)\$ONO80WT W:/LO71)
 TA:(ALE73YNFH (AL-L"75B00? 18 K.I75Y-)IM-&I70Y&W. W:/GI33YLV.03 (:AD"Y-(A80D
):A\$E73R):ANI74Y BOWR"92)? K.IY04 HIN:/NI63Y BOWR"94))ET-Y:RW.\$FLA91IM
 G.IYLF73H W:/)AM./F71H. MF&O75W&00? 19 W:/GAL:T.I71Y BI/YRW.\$FLA73IM
 W:/&A&:T.I74Y B:(AM./I92Y? W:/LO75)-YI\$.FMA71(B./FH.03 (O80WD QO71WL
 B.:KI73Y W:/QO71WL Z:(FQF75H00? 20 LO)-YI75H:YE63H MI/\$.F61M (O81WD (70W.L
 YFMIYM03 W:/ZFQ"80N):A\$E71R LO75)-Y:MAL."73))ET-YFMF92Y/W? K.I74Y
 HA/N.A81(AR B.EN-M")F70H \$FNFH03 YFM80W.T W:/HA74/XOW+E80) B.EN-M")F71H
 \$FNF73H? Y:QUL.F75L00? 21 W./BFN71W. BFT.I73YM W:/YF\$F92BW. W:/NF+:(74W.
 K:RFMI80YM W:/)FK:L73W. P.IR:Y/F75M00? 22 LO70) YIB:NW.03 W:/)AX"74R Y"\$80B
 LO71) YI+.:73W. W:/)AX"74R YO)K"92L? K.I75Y-KI/YM"70Y HF/("C03 Y:M"74Y
 (AM./I80Y W./MA:(A&"71H Y:D"Y/HE73M Y:BAI.71W. B:XIYR/F75Y00? 23 LO70)
 YI75YG:(W.03 LF/RI80YQ W:/LO71) Y"L:D73W. LA/B.EHFLF92H? K.I74Y ZE61RA(
 B.:RW.K"70Y Y:HWFH03 H"80M.FH W:/CE):ECF)"Y/HE73M)IT./F75M00? 24 W:/HFYF71H
 +E75REM-YIQ:RF73)W. WA/):ANI74Y)E:(ENE92H (O91WD H"71M M:DAB.:RI73YM
 WA/):ANI71Y)E\$:MF75(00? 25 Z:)"63B W:/+FLE61H YIR:(74W. K:/)EXF81D W:/)AR:Y"H03

K.A/B.FQF74R YO75)KAL-T.E80BEN? W:/NFXF73\$ (FPF74R LAX:M/O92W?
 LO75)-YFR"94(W. W:/LO75)-YA\$:XI91YTW. B.:KFL-HA71R QFD:\$/I73Y)FMA71R
 Y:HWF75H00 **66** 1 10K.OH)FMA74R Y:HWF80H? HA/\$.FMA74YIM K.IS:)/I80Y
 W:/HF/)F73REC H:ADO74M RAG:L/F92Y?)Y-ZE71H BA33YIT03):A\$E74R
 T.IB:NW.-L/I80Y W:/)Y-ZE71H MFQO73WM M:NW.XFT/I75Y00?
 2 W:/)ET-K.FL-)33L.EH03 YFD/I74Y (F&F80TFH WA/Y.IH:Y71W. KFL-)73L.EH
 N:)UM-Y:HWF92H? W:/)EL-ZE74H)AB.I80Y+)EL-(FNIY03 W:/N:K"H-R80W.XA
 W:/XFR"73D (AL-D.:BFR/I75Y00? 3 \$OWX"63+ HA/\$.O61WR MAK."H-)I81Y\$ ZOWB"70XA
 HA/&.EH03 (O74R"75P K.E80LEB? MA:(AL"70H MIN:XFH03 D.AM-X:AZI80YR
 MAZ:K.I71YR L:BONF73H M:BF74R"75K:)F92WEN? G.AM-H"81M.FH B.F75X:ARW.O3
 B.:/DAR:K"Y/HE80M W:/B:/\$IQ.W.C"Y/HE73M NAP:\$/F71M XFP"75CFH00?
 4 G.AM-):ANI62Y)EB:XA74R B.:/TA(:ALUL"Y/HE81M W:/M:G75W.ROT/FM03)FBI74Y)
 L/FHE80M? YA70(AN QFRF33)TIY03 W:/)74YN (OWNE80H D.IB.A73R:T.IY W:/LO74)
 \$FM"92(W.? WA/Y.A:(A&70W. HF/RA(03 B.:("YN/A80Y W:/BA/):A\$E71R
 LO75)-XFP73C:T.IY B.FXF75RW.00 5 \$IM:(W.03 D.:BAR-Y:HWF80H HA/X:AR"DI73YM
)EL-D.:BFR/O92W?)FM:RW.04):AX"Y/KE63M &ON:)Y/KE61M M:NAD."Y/KE81M
 L:MA70(AN \$:M/IY03? YIK:B.A74D Y:HWF80H W:/NIR:)E71H B:/&IM:XAT:/KE73M?
 W:/H"71M Y"BO75\$W.00? 6 QO70WL \$F)OWN03 M"/(I80YR QO73WL M"75/H"YKF92L?
 QO74WL Y:HWF80H M:\$AL."71M G.:M73W.L L:/)OY:BF75Y/W00? 7 B.:/+E71REM
 T.FXI73YL YFLF92DFH? B.:/+E63REM YFBO71W) X"91BEL L/F73H. W:/HIM:LI71Y+FH
 ZFKF75R00? 8 MI75Y-\$FMA74(K.F/ZO81)T MI70Y RF)FH03 K.F/)"80L.EH?
 H:A/Y70W.XAL)E33REC03 B.:/YO74WM)EXF80D)IM-YIW.F71L"75D G.O73WY
 P.A74(AM)EXF92T? K.I75Y-XF91LFH G.AM-YFL:DF71H CIY.O73WN
)ET-B.FNE75Y/HF00? 9 HA/):ANI71Y)A\$:B.I91YR W:/LO71))OWLI73YD YO)MA74R
 Y:HWF92H?)IM-):ANI94Y HA/M.OWL191YD W:/)FCA73R:T.IY)FMA71R
):ELOHF75Y/IK:00 10 &IM:X94W.)ET-Y:RW.\$FLA91IM W:/GI71YLW. B/F73H.
 K.FL-)OH:ABE92Y/HF? &I70Y&W.)IT./FH.03 MF&O80W&
 K.FL-HA/M.I75T):AB.:LI73YM? (FLE75Y/HF00? 11 L:MA70(AN T.I75YN:QW.O3
 W:/&:BA:(T.E80M MI/\$.O73D T.AN:XUME92Y/HF? L:MA94(AN T.FMO91C.W.
 W:/HIT:(AN.AG:T.E73M MI/Z.I71YZ K.:BOWD/F75H.00 12 K.I75Y-KO74H05)FMA74R
 Y:HWF81H? HIN:/NI74Y NO+E75H-14)"LEY/HF K.:/NFHF63R \$FLO61WM?
 W:/K:/NA94XAL \$OW+"91P K.:BO71WD G.OWYI73M WI75/YNAQ:T.E92M (AL-CAD03
 T.IN.F&"80)W. W:/)AL-B.IR:K.A73YIM T.:\$F(:F\$F75(W.00? 13 K.:/I85Y\$):A\$E71R
)IM./O73W T.:NAX:AM/E92N.W. K."70N)F75NOKIY03):ANA74XEM:/KE80M
 W:/BI/YR75W.\$FLA73IM? T.:NUXF75MW.00? 14 W:/R:)IYTEM03 W:/&F74& LIB:/KE80M
 W:/)AC:MOWT"Y/KE73M K.A/D.E74\$E) TIP:RA92X:NFH? W:/NOWD:(F70H
 YAD-Y:HWFH03)ET-(ABFDF80Y/W W:/ZF(A73M)ET-)OY:BF75Y/W00?
 15 K.I75Y-HIN."70H Y:HWFH03 B.F/)"74\$ YFBO80W) W:/KA/S.W.PF73H
 MAR:K.:BOTF92Y/W? L:/HF\$170YB B.:/X"MFH03)AP./O80W W:/GA:(ARFT/O73W
 B.:/LAH:AB"Y-)"75\$00? 16 K.I70Y BF/)"\$03 Y:HWF74H NI\$:P.F80+ W:/B:/XAR:B./O73W
)ET-K.FL-B.F&F92R W:/RAB.73W. XA75L:L"71Y? Y:HWF75H00?
 17 HA/M.IT:QAD:.\$I63YM W:/HA/M.I75+.AH:ARI61YM)EL-HA/G.AN.O81WT)AXA70R
 **)AXAT03 B.A/T.F80WEK:?)O75K:L"Y03 B.:&A74R HA/X:AZI80YR W:/HA/\$.E73QEC
 W:/HF/(AK:B.F92R? YAX:D.F71W YFSU73PW. N:)UM-Y:HWF75H00? 18 W:/)FNOKI81Y
 MA(:A&"Y/HEM03 W:/MAX:\$:BO74T"Y/HE80M B.F)F85H L:/QAB."71C
)ET-K.FL-HA/G.OWYI73M? W:/HA/L.:SONO92WT W:/BF73)W. W:/)RF)71W.
)ET-K.:BOWD/I75Y00 19 W:/&AM:T.I63Y B/FHE61M)O81WT W:/)SIL.AX:T.I74Y
 M"/HE74M05? 14P.:L"Y+IYM)E75L-HA/G.OWYI62M T.AR:.\$I63Y\$ P.71W.L W:/L91W.D
 MO71\$:K"Y QE73\$ET T.UBA74L W:/YFWF92N HF/))Y.I74YM? HF/R:XOQI81YM):A\$E63R
 LO)-\$FM:(70W.)ET-\$IM:(/IY03 W:/LO)-RF)74W.)ET-K.:BOWD/I80Y W:/HIG.I71YDW.
)ET-K.:BOWD/I73Y B.A/G.OWYI75M00 20 W:/H"BI74Y)W.)ET-K.FL-):AX"Y/KE74M
 MI/K.FL-HA/G.OWYI74M05 MIN:XF74H05 LA75/YHWF83H? B.A/S.W.SI83YM
 14W./BF/REKEB W:/BA/C.AB.I63YM W:/BA/P.:RFDI61YM W:/BA/K.IR:K.FRO81WT (A74L
 HA71R QFD:\$/I91Y Y:RW.\$FLA73IM?)FMA74R Y:HWF92H K.A/):A\$E74R YFBIY)W.O4
 B:N"63Y YI&:RF)"94L)ET-HA/M.IN:XF91H B.I/K:LI71Y +FHO73WR B."71YT?
 Y:HWF75H00 21 W:/GAM-M"/HE71M)EQ.A91X LA/K.OH:ANI71YM LA/L:WIY.I73M
)FMA71R Y:HWF75H00? 22 K.I74Y KA/):A\$E74R HA/\$.FMA74YIM 14HA/X:FDF\$IYM

W:/HF/)F63REC HA/X:ADF\$F61H):A\$E63R):ANI71Y (O&E91H? (OM:DI71YM
L:/PFNA73Y N:)UM-Y:HWF92H K."91N YA(:AMO71D ZAR:(/:AKE73M W:/SIM/:KE75M00?
²³ W:/HFYF81H MI75/D."Y-XO33DE\$03 B.:XFD:\$/O80W W./MI/D."71Y \$AB.F73T
B.:/\$AB.AT./O92W? YFBO94W) KFL-B.F&F91R L:/HI\$:T.AX:AWO71T L:/PFNA73Y
)FMA71R Y:HWF75H00? ²⁴ W:/YFC:)74W. W:/RF)80W. B.:/PIG:R"Y03 HF):ANF\$180YM
HA/P.O\$:(I73YM B./I92Y? K.I74Y TOWLA(:T./F62M LO74) TFM81W.T W:/)I\$./FM03 LO74)
TIK:B.E80H? W:/HFY71W. D"RF)O73WN L:/KFL-B.F&F75R00?

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