

The TanakhML Project

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Biblia Hebraica Stuttgartensia
2 Samuel

1 ₁ WA/Y:HI81Y)A95X:AR"Y03 MO74WT \$F)80W.L W:/DFWI74D \$F80B M"/HAK.O73WT
)ET-HF/(;AMFL"92Q WA/Y."94\$EB? D.FWI91D B.:CIQ:LF73G YFMI71YM \$:NF75YIM00
₂ WA/Y:HI74Y05 B.A/Y.O74WM HA/\$:LIY\$181Y W:/HIN."H04)I63Y\$ B.F70)
 MIN-?HA75/M.AX:ANEH03 M"/(I74M \$F)80W.L W:/B:GFDF74Y/W Q:RU(I80YM
 WA/):ADFMF73H (AL-RO)\$O92W WA/Y:HIY03 B.:BO/O74W?)JEL-D.FWI80D
 WA/Y.IP.O71L)A73R:C/FH WA/Y.IS:T.F75XW.00 ₃ WA/Y.O70)MER L/OW03 D.FWI80D
)"71Y MI/Z.E73H T.FBO92W)? WA/Y.O74)MER)"LF80Y/W MI/M.AX:AN"71H
 YI&:RF)"73L NIM:LF75+:T.IY00 ₄ WA/Y.O63)MER)"LF71Y/W D.FWI91D MEH-HFYF71H?
 HA/D.FBF73R HAG.ED-NF74) L/I92Y 14WA/Y.O)MER):A\$ER-NF63S HF/(F61M
 MIN-HA/M.IL:XFMF81H W:/GAM-HAR:B."62H? NFPA70L MIN-HF/(FM03
 WA/Y.FMU80TW. W:/GA81M \$F)91W.L WI/YHOWNFTF71N B.:N/O73W M"75TW.00
₅ WA/Y.O74)MER D.FWI80D)JEL-?HA/N.A73(AR HA/M.AG.I74YD L/O92W)"74YK:
 YFDA80:(T.F K.IY-M"71T \$F)73W.L WI/YHO75WNFTF71N B.:N/O75W00
₆ WA/Y.O61)MER? HA/N.A74(AR05 HA/M.AG.I74YD L/O81W NIQ:RO70) NIQ:R"33YTIY03
 B.:/HA74R HA/G.IL:B.O80(A W:/HIN."71H \$F)73W.L NI\$:F74N? (AL-X:ANIYT/O92W
 W:/HIN."71H HF/RE91KEB W/BA:(AL"71Y HA/P.FR\$F73YM HID:B.IQU75/HW.00
₇ WA/Y.I71PEN)AX:ARF73Y/W? WA/Y.IR:)"92NIY WA/Y.IQ:RF74))"L/F80Y
 WF/OMA73R HIN./"75NIY00 ₈ WA/Y.O71)MER L/I73Y MIY-)F92T.FH **WF/OMA74R
)"LF80Y/W? (:AMFL"QI73Y)FNO75KIY00 ₉ WA/Y.O74)MER)"L/A81Y (:AMFD-NF70)
 (FL/AY03 W:/MO74T:T/"80NIY K.I71Y):AXFZ/A73NIY HA/\$.FBF92C?
 K.I75Y-KFL-(O71WD NAP:\$/I73Y B./I75Y00 ₁₀ WF/)E(:EMO70D (FLFY/W03
 WA/):AMO74T:T/"80HW. K.I74Y YFDA80:(T.IY K.I91Y LO71)? YI75X:YE73H)AX:AR"74Y
 NIP:L/O92W WF/EA62X HA/N."74ZER05):A\$E74R (AL-RO)\$O81W W:/EC:(FDFH03
):A\$E74R (AL-?Z:RO/(O80W WF/):ABIY/)"71M)EL-):ADON/I73Y H"75N./FH00
₁₁ WA/Y.AX:AZ"71Q D.FWI91D **B.I/B:GFDF73Y/W WA/Y.IQ:RF("92M W:/GA71M?
 K.FL-HF/):ANF\$173YM):A\$E71R)IT./O75W00 ₁₂ WA75/Y.IS:P.:DW.03 WA/Y.IB:K.80W.
 WA/Y.FCU73MW. (AD-HF/(F92REB (AL-?F)62W.L W:/AL-Y:HOWNFTF74N B.:N/O81W
 W:/AL-(A70M Y:HWFH03 W:/AL-B."74YT YI&:RF)"80L K.I71Y NFP:L73W.? B.E/XF75REB00
₁₃ WA/Y.O74)MER D.FWI81D)JEL-HA/N.A33(AR03 HA/M.AG.I74YD
 L/O80W)"71Y MI/Z.E73H)F92T.FH? WA/Y.O85)MER B.EN-)I91Y\$ G."71R (:AMFL"QI73Y
)FNO75KIY00 ₁₄ WA/Y.O71)MER)"LF73Y/W D.FWI92D 10)"YK: LO74) YFR"80)TF?
 LI/\$:LO33XA03 YF75D/:KF80 L:/\$AX"73T)ET-M:\$I71YXA Y:HWF75H00 ₁₅ WA/Y.IQ:RF74)
 DFWI81D L/):AXAD03 M"75/HA/N.:FRI80YM? WA/Y.O73)MER G.A74\$ P.:GA-(B./O92W
 WA/Y.AK./"73HW. WA/Y.FMO75T00 ₁₆ WA/Y.O70)MER)"LFY/W03 D.FWI80D
 **D.FM/:KF73 (AL-?RO)\$E92KF K.I74Y PI81Y/KF (FNF70H B:/KF03 L"/)MO80R
)FNOKI71Y MOTA73T.IY)ET-M:\$I71YXA Y:HWF75H00 ₁₇ WA/Y:QON"74N D.FWI80D
)ET-HA/Q.IYNF73H HA/Z.O92)T (AL-\$F)73W.L W:/AL-Y:HOWNFTF71N B.:N/O75W00?
₁₈ WA/Y.O85)MER L:/LAM."71D B.:N"75Y-Y:HW.DF73H QF92\$ET HIN."71H K:TW.BF73H
 (AL-S"71PER HA/Y.F\$F75R00? ₁₉ HA/C.:BIY03 YI&:RF)"80L (AL-B.FMOWTE73Y/KF
 XFLF92L)"73YK: NFP:L71W. GIB.OWRI75YM00? ₂₀)AL-T.AG.I74YDW. B:/GA80T
)A75L-T.:BA&.:R73W. B.:XW.CO74T)A\$:Q:LO92WN? P.EN-T.I&:MA33X:NFH03
 B.:NO74WT P.:LI\$:T.I80YM P.E75N-T.A:(ALO73Z:NFH B.:NO71WT HF/(;AR"LI75YM00?
₂₁ HFR"74Y BA/G.IL:B.O81(A)AL-+A94L W:/)AL-MF+F91R (:AL"Y/KE73M W:/&:D"74Y
 T:RW.MO92T? K.I74Y \$F70M NIG:(AL03 MFG"74N G.IB.OWRI80YM MFG"74N \$F)80W.L
 B.:LI73Y MF\$171YXA B.A/\$.F75MEN00? ₂₂ MI/D.A74M X:ALFLI81YM M"/X"33LEB03
 G.IB.OWRI80YM 10QE\$ET Y:HO74WNFTF80N LO71) NF&O73WG)FXO92WR?
 W:/XE74REB \$F)80W.L LO71) TF\$73W.B R"YQF75M00? ₂₃ \$F)74W.L WI/YHOWNFTF81N
 HA/N.E):EHFBI70YM W:/HA/N.:IYMIM03 B.:XAY."Y/HE80M W:/B:/MOWT/F73M LO74)
 NIP:RF92DW.? MI/N.:\$FRI74YM QA80L.W. M"/):ARFYO73WT G.FB"75RW.00?
₂₄ B.:NOWT03 YI&:RF)"80L)EL-\$F)73W.L B.:KE92YNFH HA/M.AL:B.I75\$/:KE70M
 \$FNIY03 (IM-(;ADFN80YM? HA75/M.A:(ALEH03 (:ADI74Y ZFHF80B (A73L
 L:BW.\$/:KE75N00? ₂₅ 10)"YK: NFP:L74W. GIB.ORI80YM B.:TO73WK:
 HA/M.IL:XFMF92H? Y:HO74WNFTF80N (AL-B.FMOWTE73Y/KF XFLF75L00?
₂₆ CAR-L/I74Y (FLE81Y/KF)FX/IY03 Y:HO74WNFTF80N NF(A71M:T.F L/I73Y M:O)92D?
 NIP:L:)A70TFH)AH:ABF75T/:KF03 L/I80Y M"/)AH:ABA73T NF\$175YM00? ₂₇ 10)"YK:
 NFP:L74W. GIB.OWRI80YM WA/Y.O)B:D73W. K.:L"71Y MIL:XFMF75H00
2 ₁ WA/Y:HI74Y)A75X:AR"Y-K"81N WA/Y.IS:AL04 D.FWI63D B.A75/YHWF70H05

L"/)MOR03 HA/)E(:ELE81H B.:)AXAT03? (FR"74Y Y:HW.DF80H WA/Y.O94)MER Y:HWF91H)"LF73Y/W (:AL"92H WA/Y.O94)MER D.FWI91D)F71N/FH)E(:ELE73H WA/Y.O71)MER? XEB:RO75N/FH00² WA/Y.A70(AL \$FM03 D.FWI80D W:/GA73M \$:T."74Y NF\$F92Y/W):AXIYNO33(AM03 HA/Y.IZ:R("LI80YT WA):ABIYGA85YIL?) "73\$SET NFBF71L HA75/K.AR:M:LI75Y00³ WA):ANF\$F94Y/W):A\$ER-(IM./O91W HE(:ELF71H DFWI73D)I74Y\$ W./B"YT/O92W? WA/Y."\$:B73W. B.:/(FR"71Y XEB:RO75WN00⁴ WA/Y.FBO33)W.03)AN:\$"74Y Y:HW.DF80H WA/Y.IM.\$:XW.-\$F94M)ET-D.FWI91D? L:/ME73LEK: (AL-B."74YT Y:HW.DF92H? WA/Y.AG.I70DW. L:/DFWID03 L"/)MO80R)AN:\$"Y03 YFB"74Y\$ G.IL:(F80D):A\$E71R QFB:R73W.)ET-\$F)75W.L00⁵ WA/Y.I\$LA70X D.FWID03 MAL:)FKI80YM)EL-)AN:\$"73Y YFB"74Y\$ G.IL:(F92D WA/Y.O74)MER):AL"Y/HE81M B.:RUKI70YM?)AT.EM03 LA75/YHWF80H):A\$E63R (:A&IYTE61M HA/XE74SED HA/Z.E81H (IM-):ADO75N"Y/KEM03 (IM-\$F)80W.L? WA75/T.IQ:B.:R73W.)OT/O75W00⁶ W:/(AT.F85H YA75(A&-Y:HWF71H (IM./FKE73M XE74SED WE/):EME92T W:/GA74M)FNOKI81Y?)E(:E&E70H)IT.:KEM03 HA/+OWBF74H HA/Z.O80)T):A\$E71R (:A&IYTE73M HA/D.FBF71R HA/Z.E75H00⁷ W:/(AT.F74H05? T.EX:EZA74Q:NFH Y:D"Y/KE81M WI75/H:YW.03 LI/B:N"Y-XA80YIL K.IY-M"73T):ADON"Y/KE74M \$F)92W.L W:/GAM-)OT/I81Y? MF\$:X94W. B"YT-Y:HW.DF91H L:/ME73LEK: (:AL"Y/HE75M00⁸ W:)/AB:N"74R B.EN-N"80R &AR-CFBF73)):A\$E74R L:(\$F)92W.L LFQA81X)ET-)I71Y\$ B.O33\$ET03? B.EN-\$F)80W.L WA/Y.A(:ABIR/"73HW. MAX:ANF75YIM00⁹ WA/Y.AM:LIK/"33HW.03)EL-HA/G.IL:(F80D W:)/EL-HF/):A\$W.RI73Y? W:)/E75L-YIZ:R:(E92)L W:/(AL-)EP:RA33YIM03 W:/(AL-B.IN:YFMI80N W:/(AL-YI&:RF)"73L K.UL.O75H00¹⁰ B.EN-)AR:B.F(I63YM \$FNF61H)I75Y\$-B.O74\$ET B.EN-\$F)81W.L B.:/MFL:K/OW03 (AL-YI&:RF)"80L? W./\$:T.A71YIM \$FNI73YM MFLF92K: 10)AK: B."74YT Y:HW.DF80H HFY73W.)AX:AR"71Y DFWI75D00¹¹ WA75/Y:HIY03 MIS:P.A74R? HA/Y.FMI80YM):A\$ER04 HFYF63H DFWI71D ME91LEK: B.:/XEB:RO73WN (AL-B."74YT Y:HW.DF92H \$E71BA(\$FNI73YM? W:/\$I\$.F71H X:FDF\$I75YM00¹² WA/Y."C")03)AB:N"74R B.EN-N"80R W:/(AB:D"73Y)I75Y\$-B.O74\$ET? B.EN-\$F)92W.L MI75/M.AX:ANA73YIM G.IB:(O75WN/FH00¹³ W:/YOW)F63B B.EN-C:RW.YF61H W:/(AB:D"70Y DFWID03 YF75C:)80W.? WA75/Y.IP:G.:\$91W./M (AL-B.:R"KA71T G.IB:(O73WN YAX:D.F92W WA/Y."63\$:B61W.)"70L.EH (AL-HA/B.:R"KFH03 MI/Z.E80H W:)/"71L.EH? (AL-HA/B.:R"KF73H MI/Z.E75H00¹⁴ WA/Y.O70)MER)AB:N"R03)EL-YOW)F80B YFQ70W.MW. NF)03 HA/N.: (FRI80YM? WI75/Y&AX:AQ73W. L:/PFN"92Y/NW. WA/Y.O71)MER YOW)F73B YFQU75MW.00¹⁵ WA/Y.FQU73MW. WA/Y.A(AB:R74W. B:/MIS:P.F92R \$:N"94YM? (F&F74R L:/BIN:YFMI81N W./L:)/I71Y\$ B.O33\$ET03 B.EN-\$F)80W.L W./\$:N"71YM (F&F73R M"/(AB:D"71Y DFWI75D00?¹⁶ WA75/Y.AX:AZI61QW.)I74Y\$05 B.:/RO74)\$ R"/("81HW. W:/XAR:B./OW03 B.:/CA74D R"/("80HW. WA75/Y.IP.:L73W. YAX:D.F92W WA/Y.IQ:RF)03? LA/M.FQO74WM HA/H80W.) XEL:QA71T HA/C.URI73YM):A\$E71R B.:/GIB:(O75WN00¹⁷ WA/T.:HI94Y HA/M.IL:XFMF91H QF\$F71H? (AD-M:)O73D B.A/Y.O74WM HA/H92W.) WA/Y.IN.F70GEP)AB:N"R03 W:)/AN:\$"74Y YI&:RF)"80L LI/P:N"73Y (AB:D"71Y DFWI75D00?¹⁸ WA/Y.I75H:YW.-\$F81M \$:LO\$FH03 B.:N"74Y C:RW.YF80H YOW)F71B WA):ABIY\$A73Y WA/(:A&FH)"92L WA/(:A&FH)"L03 QA74L? B.:/RAG:LF80Y/W K.:)/AXA71D HA/C.:BFYI73M):A\$E71R B.A/&.FDE75H00¹⁹ WA/Y.IR:D.O71P (:A&FH)"73L)AX:AR"74Y?)AB:N"92R W:/LO75)-NF+74H LF/LE81KET (AL-HA/Y.FMIYN03 W:/(A75L-HA/&.:MO80)WL M"/)AX:AR"73Y)AB:N"75R00? ²⁰ WA/Y.I70PEN)AB:N"R03)A75X:ARF80Y/W WA/Y.O85)MER HA)/AT.F71H ZE73H (:A&FH)"92L WA/Y.O73)MER)FNO75KIY00? ²¹ WA/Y.O94)MER L/O74W)AB:N"81R N:+"70H L:/KF03 (AL-Y:MI75YN:/KF03)O74W (AL-&:MO)L/E80KF WE/):EXO74Z L:/KF81?)EXFD03 M"75/HA/N.: (FRI80YM W:/QAX-L:/KF73)ET-X:ALICFT/O92W W:/LO75)-)FBF74H (:A&FH)"80L LF/S73W.R? M"/)AX:ARF75Y/W00²² WA/Y.O94SEP (O74WD)AB:N"81R L"/)MOR03)EL-(:A&FH)"80L S71W.R L:/KF73 M"/)A75X:ARF92Y? LF70/M.FH)AK./E33K.FH03)A80R:C/FH W:)/"YK:03)E&.F74) PFNA80Y)EL-YOW)F73B)FXI75Y/KF00²³ WA/Y:MF)"74N LF/S81W.R? WA/Y.AK./"74HW.)AB:N"R04 B.:)/AX:AR"63Y HA/X:ANI61YT)EL-HA/XO81ME\$ WA/T."C"70) HA75/X:ANIYT03 M"/)AX:ARF80Y/W WA/Y.IP.FL-?\$F73M WA/Y.F74MFT **T.AX:T.F92Y/W WA/Y:HI83Y K.FL-HA/B.F74))E75L-HA/M.FQOWM04):A\$ER-NF63PAL \$F94M (:A&FH)"91L?

WA/Y.FMO73T WA75/Y.A(:AMO75DW.00²⁴ WA75/Y.IR:D.:P91W. YOW)F71B
 WA):ABIY\$A73Y)AX:AR"74Y)AB:N"92R W:/HA/\$.E74ME\$ B.F80)FH? W:/H"81M.FH
 10B.F)W. (AD-G.IB:(A74T)AM.F80H):A\$ER03 (AL-P.:N"Y-GI80YXA D.E73REK:
 MID:B.A71R G.IB:(O75WN00?²⁵ WA/Y.I75T:QAB.:C70W. B:N"75Y-BIN:YFMIN03
)AX:AR"74Y)AB:N"80R WA/Y.IH:Y73W. LA):AGUD.F74H)EXF92T
 WA/Y.A74(AM:D80W. (A71L? RO)\$-G.IB:(F73H)EXF75T00²⁶ WA/Y.IQ:RF63))AB:N"61R
)EL-YOW)F81B WA/Y.O33)MER03 H:A/LF/NE33CAX03 T.O74)KAL? XE80REB
 H:A/LO74W) YFDA80(:T.FH K.I75Y-MFRF71H TIH:YE73H B.F)AX:AROWNF92H
 W:/(AD-MFTAY03 LO75)-TO)MA74R? LF/(F80M LF/\$73W.B M")AX:AR"71Y
):AX"Y/HE75M00²⁷ WA/Y.O74)MER YOW)F80B 10XAY HF75):ELOHI80YM K.I71Y
 LW.L"73)? D.IB.A92R:T.F K.I74Y)F70Z M"75/HA/B.O33QER03 NA:(ALF74H HF/(F80M
)I73Y\$ M")AX:AR"71Y)FXI75Y/W00²⁸ WA/Y.IT:QA70(YOW)FB03? B.A/\$.OWPF80R
 WA/Y.A75(AM:DW.03 K.FL-HF/(F80M W:/LO75)-YIR:D.:P71W. (O73WD)AX:AR"74Y
 YI&:RF)"92L W:/LO75)-?YFS:P71W. (O73WD L:/HIL.FX"75M00²⁹ W:)/AB:N"74R
 WA75):ANF\$F81Y/W HF75L:KW.03 B.F75/(:ARFBF80H K.O73L HA/L.A74Y:LFH?
 HA/H92W.) WA/Y.A(AB:R74W.)ET-HA/Y.AR:D."81N WA/Y."75L:KW.03
 K.FL-HA/B.IT:RO80WN WA/Y.FBO73)W. MAX:ANF75YIM00³⁰ W:/YOW)F81B? 10\$FB
 M")AX:AR"74Y)AB:N"80R WA/Y.IQ:B.O73C)ET-K.FL-HF/(F92M WA/Y.IP.F63Q:D61W.
 M"/(AB:D"71Y DFWI91D T.IS:(F75H-(F&F71R)I73Y\$ WA/(:A&FH-) "75L00]3
³¹ W:/(AB:D"74Y DFWI81D HIK.W.03 MI/B.IN:YFMI80N W:/B:)/AN:\$"73Y)AB:N"92R?
 \$:LO\$-M")O94WT W:/I\$91YM)I73Y\$ M"75TW.00³² WA/Y.I&:W.03)ET-(A&FH)"80L
 WA75/Y.IQ:B.:RU33/HW.03? B.:/QE74BER)FBI80Y/W):A\$E73R B."74YT LF92XEM
 WA/Y."L:K74W. KFL-HA/L.A81Y:LFH YOW)FB03 WA75):ANF\$F80Y/W WA/Y.)O71R?
 L/FHE73M B.:/XEB:RO75WN00 **3**¹ WA/T.:HI70Y HA/M.IL:XFMFH03):ARUK.F80H
 10B."YN B."74YT \$F)80W.L W./B"73YN? B."74YT D.FWI92D W:/DFWID03 HOL"74K:
 W:/XFZ"80Q W./B"71YT \$F)73W.L HOL:KI71YM W:/DAL.I75YM00²
² **WA/Y.IW.FL:D94W.]a L:/DFWI91D B.FNI73YM B.:/XEB:RO92WN WA/Y:HI70Y
 B.KOWR/OW03)AM:NO80WN LA):AXIYNO73(AM? HA/Y.IZ:R:(")LI75T00
³ W./MI\$:N/"74HW. KIL:JF80B **LA):A75BIYGA85YIL]3)"73\$ET NFBF74L
 HA75/K.AR:M:LI92Y? W:/HA/\$.:LI\$Y03)AB:\$FLO74WM B.E75N-MA:(AKF80H
 B.AT-T.AL:MA73Y ME71LEK: G.:\$75W.R00⁴ W:/HF/R:BIY(I73Y?):ADONIY.F74H
 BEN-XAG.I92YT W:/HA/X:AMIY\$I73Y \$:PA+:YF71H BEN):ABIY+F75L00⁵
⁵ W:/HA/\$.I\$74Y YIT:R:(F80M? L:/(EG:LF73H)"74\$ET D.FWI92D)"91L.EH YUL.:D71W.
 L:/DFWI73D B.:/XEB:RO75WN00⁶ WA/Y:HI81Y B.I75/H:YOWT03 HA/M.IL:XFMF80H
 10B."YN B."74YT \$F)80W.L W./B"73YN B."74YT D.FWI92D W:/AB:N"91R? HFYF71H
 MIT:XAZ."73Q B.:/B"71YT \$F)75W.L00⁷ W:/L:/\$F)74W.L P.ILE80GE\$ W./:\$M/F73H.
 RIC:P.F74H BAT-)AY.F92H? WA/Y.O33)MER03)EL-)AB:N"80R MAD.71W.(A B.F73)TFH
)EL-P.IYLE71GE\$)FB/I75Y00⁸ WA/Y.IXAR04 L:)/AB:N"63R? M:)O61D (AL-D.IB:R"74Y
)I75Y\$-B.O81\$ET WA/Y.O33)MER03 H:A/RO63)\$ K.E71LEB)FNO82KIY02):A\$E74R
 LI75/YHW.DFH01? HA/Y.O63WM)E75:(E&EH-XE61SED (IM-B."74YT05 \$F)74W.L
)FBI81Y/KF)EL-)EXFY/W03 W:/EL-M"74R/("80HW.? W:/LO71) HIM:CIYTI73/KF
 B.:/YAD-D.FWI92D WA/T.IP:QO71D (FL/A91Y (:AWO71N HF)I\$.F73H HA/Y.O75WM00⁹
⁹ K.O75H-?YA(:A&E70H):ELOHIYM03 L:)/AB:N"80R W:/KO73H YOSI74YP L/O92W
 K.I81Y K.A):A\$E63R NI\$:B.A70(Y:HWFH03 L:/DFWI80D K.I75Y-?K"73N
)E75:(E&EH-L/O75W00¹⁰ L:/HA75(:ABI71YR HA/M.AM:LKFKF73H MI/B."74YT \$F)92W.L
 W./L:/HFQI62YM)ET-?K.IS."74 DFWI81D (AL-YI&:RF)"L03 W:/(AL-Y:HW.DF80H
 MI/D.F73N W:/(AD-B.:)"71R \$F75BA(00¹¹ W:/LO75)-?YFKO74L (O80WD L:/HF\$171YB
)ET-)AB:N"73R D.FBF92R MI/Y.IR:)FT/O73W)OT/O75W00¹² WA/Y.I\$:LAX04?)AB:N"63R
 MAL:)/FKI94YM05)EL-D.FWI91D **T.AX:T.F71Y/W L")MO73R L:/MIY-)F92REC
 L")MO81R K.FR:TF70H? B:RI75YT:/KF03)IT/I80Y W:/HIN."H03 YFD/I74Y (IM./F80K:
 L:/HFS"71B)"LE73Y/KF)ET-K.FL-YI&:RF)"75L00¹³ WA/Y.O74)MER? +O80WB):ANI85Y
)EK:RO71T)IT:/KF73 B.:RI92YT)A74K: D.FBF74R)EXF83D)FNOKIY04 \$O)"63L
 M")IT:/KF70 L")MOR03? LO)-TIR:)E74H)ET-P.FNA80Y K.I74Y05)IM-LI/P:N"74Y
 H:EBIY):AKF81 10)"T MIYKA74L B.AT-\$F)80W.L? B.:/BO):AKF73 LI/R:)O71WT
)ET-P.FNF75Y00¹⁴ WA/Y.I\$:LA70X D.FWID03 MAL:)/FKI80YM)EL-)I75Y\$-?B.O71\$ET
 B.EN-\$F)73W.L L")MO92R T.:NF70H)ET-JI\$:T/IY03)ET-MIYKA80L):A\$ER03
)"RA74&:T.IY L/I80Y? B.:/M")F73H (FR:LO71WT P.:LI\$:T.I75YM00¹⁵ WA/Y.I\$:LAX03

WA/Y.I\$:LAX03)I74Y\$)I74Y\$ B.O80\$ET B.O80\$ET WA/Y.IQ.FX/E73HF
 WA/Y.IQ.FX/E73HF M"74/(I75M M"74/(I75M)I92Y\$?)I92Y\$? M"/(I73M M"/(I73M
 P.AL:+IY)"71L P.AL:+IY)"71L **LF75YI\$00 B.EN- **LF75YI\$00 ¹⁶ WA/Y."63LEK:)IT./F61H.
)IY\$/F81H. HFLO94WK: W./BFKO91H)AX:ARE73Y/HF? (AD-B.A75XURI92YM
 WA/Y.O63)MER)"LF71Y/W)AB:N"91R L"71K: \$73W.B WA/Y.F\$O75B00
¹⁷ W./D:BAR-?)AB:N"74R HFYF80H (IM-ZIQ:N"71Y YI&:RF)"73L L"/)MO92R
 G.AM-T.:MOWL03 G.AM-\$IL:\$O80M H:EYIYTE62M? M:BAQ:\$I94YM)ET-D.FWI91D
 L:/ME73LEK: (:AL"Y/KE75M00 ¹⁸ W:/(AT.F73H (:A&92W. K.I74Y Y:HWF81H)FMA70R?
)EL-D.FWID03 L"/)MO80R B.:YA74D05 D.FWI74D (AB:D./I81Y HOW\$161Y(A
)ET-(AM./I70Y YI&:RF)"L03 MI/Y.A74D? P.:LI\$:T.I80YM W./MI/Y.A73D
 K.FL-)OY:B"Y/HE75M00 ¹⁹ WA/Y:DAB."71R G.AM-)AB:N"73R B.:/FZ:N"74Y
 BIN:YFMI92YN WA/Y."74LEK:? G.AM-)AB:N"81R L:/DAB."62R B.:/FZ:N"70Y DFWID03
 B.:/XEB:RO80WN)"70T K.FL-):A\$ER-+OWB03 B.:/("YN"74Y? YI&:RF)"80L
 W./B:/"YN"73Y K.FL-B."71YT B.IN:YFMI75N00 ²⁰ WA/Y.FBO63))AB:N"70R
)EL-D.FWID03 XEB:RO80WN? W:/)IT./O73W (E&:RI74YM):ANF\$192YM WA/Y.A63(A&
 D.FWI94D L:/)AB:N"91R W:/LA):ANF\$171YM):A\$ER-)IT./O73W MI\$:T.E75H00?
²¹ WA/Y.O74)MER)AB:N"74R)EL-D.FWI83D)FQ74W.MFH05 W:75/"L"83KFH
 W:/)EQ:B.:CFH04)EL-):ADON/I63Y HA/M.E61LEK:?)ET-K.FL-YI&:RF)"81L
 W:/YIK:R:T70W.)IT.:KF03 B.:RI80YT W./MF74LAK:T.F80 B.:/KO71L
):A\$ER-T.:)AW.E73H NAP:\$E92KF? WA/Y.:\$AL.A71X D.FWI91D)ET-)AB:N"73R
 WA/Y."71LEK: B.:/\$FLO75WM00 ²² W:/HIN."H04 (AB:D"63Y DFWI70D W:/YOW)FB03?
 B.F74) M"75/HA/G.:D80W.D W:/\$FLF71L RF73B (IM./F74M H"BI92Y)W. W:/)AB:N"81R
)"YN/E70N.W. (IM-D.FWID03 B.:/XEB:RO80WN? K.I71Y \$IL.:X/O73W WA/Y."71LEK:
 B.:/\$FLO75WM00 ²³ W:/YOW)F91B W:/KFL-HA/C.FBF71)):A\$ER-)IT./O73W B.F92)W.
 WA/Y.AG.I70DW.? L:/YOW)FB03 L"/)MO80R B.F75-)AB:N"70R B.EN-N"R03
)EL-HA/M.E80LEK: WA75/Y:\$AL.:X/"73HW. WA/Y."71LEK: B.:/\$FLO75WM00?
²⁴ WA/Y.FBO70) YOW)FB03)EL-HA/M.E80LEK: WA/Y.O73)MER ME74H (F&I92YTFH
 HIN."H-BF70))AB:N"R03)"LE80Y/KF? LF/M.FH-Z.E71H \$IL.AX:T./O73W WA/Y."71LEK:
 HFLO75WK:00 ²⁵ YFDA33(:T.F03 YFDA33(:T.F03)ET-)ET-)AB:N"74R)AB:N"74R
 B.EN-B.EN-N"80R N"80R K.I71Y? K.I71Y? L:/PAT.OT:/KF73 L:/PAT.OT:/KF73 B.F92)
 B.F92) W:/LF/DA61(AT W:/LF/DA61(AT)ET-)ET-MOWCF75):AKF03 MOWCF75):AKF03
 **MO74WBF)/E80KF W:/)ET-W:/LF/DA85(AT **MO74WBF)/E80KF)"91T W:/LF/DA85(AT
 K.FL-) "91T):A\$E71R? K.FL-)AT.F73H):A\$E71R? (O&E75H00)AT.F73H (O&E75H00
²⁶ WA/Y."C"70) YOW)FB03 M"/(I74M D.FWI80D WA/Y.I\$:LA70X MAL:/FKIYM03
)AX:AR"74Y)AB:N"80R? WA/Y.F\$171BW.)OT/O73W MI/B.O74WR HA/S.IRF92H
 W:/DFWI73D LO71) YFDF75(00 ²⁷ WA/Y.F70\$FB)AB:N"R03 XEB:RO80WN
 WA/Y.A+/"70HW.? YOW)FB03)EL-T.O74WK: HA/\$.A80(AR L:/D.AB."71R)IT./O73W
 B.A/\$.E92LIY WA/Y.AK."/70HW. \$FM03 HA/XO80ME\$ WA/Y.F85MFT? B.:/DA73M
 (:A&FH-) "71L)FXI75Y/W00 ²⁸ WA/Y.I\$:MA70(D.FWID03 M"/)A74X:AR"Y K"80N
 WA/Y.O81)MER NFQI63Y)FNOKI94Y? W./MAM:LAK:T./I91Y M"/(I71M Y:HWF73H
 (AD-(OWLF92M MI/D.:M"73Y)AB:N"71R B.EN-N"75R00 ²⁹ YFXU33LW.03? (AL-RO74)\$
 YOW)F80B W:/)E73L K.FL-B."74YT)FBI92Y/W W:75/)AL-YIK.FR"74T MI/B."74YT
 YOW)F83B 14ZFB? W./M:CORF62(W./MAX:AZI71YQ B.A/P.E91LEK: W:/NOP"71L
 B.A/XE73REB WA/X:ASAR-LF75XEM00 ³⁰ W:/YOW)FB03 WA/):ABIY\$A74Y?)FXI80Y/W
 HFR:G73W. L:/)AB:N"92R (AL04):A\$E63R H"MI61YT)ET-(:A&FH)"94L):AXIY/HE91M
 B.:/GIB:(O73WN? B.A/M.IL:XFMF75H00 ³¹ WA/Y.O)MER04 D.FWI63D)EL-YOW)F61B
 W:/)EL-K.FL-HF/(F74M):A\$ER-?)IT./O81W QIR:(70W. BIG:D"Y/KEM03 W:/XIG:R74W.
 &AQ.I80YM W:/SIP:D73W. LI/P:N"74Y)AB:N"92R W:/HA/M.E74LEK: D.FWI80D?
 HOL"73K:)AX:AR"71Y HA/M.I+.F75H00 ³² WA/Y.IQ:B.:R71W.)ET-)AB:N"73R
 B.:/XEB:RO92WN WA/Y.I&.F94)J2 HA/M.E74LEK:?)ET-QOWL/O81W WA/Y."B:K.:03
)EL-QE74BER)AB:N"80R WA/Y.IB:K.73W. K.FL-HF/(F75M00 ³³ WA/Y:QON"71N?
 HA/M.E91LEK:)EL-)AB:N"73R WA/Y.O)MA92R? HA/K.:/MO71WT NFBF73L YFM71W.T
)AB:N"75R00? ³⁴ YFD/E74KF LO75)-):ASURO81WT W:/RAG:LE33Y/KF03
 LO)-LI/N:XU\$:T.A74YIM HUG.F80\$W.? K.I/N:PO91WL LI/P:N"71Y B:N"75Y-(AW:LF73H
 NFPF92L:T.F? WA/Y.OSI71PW. KFL-HF/(F73M LI/B:K.O71WT (FLF75Y/W00
³⁵ WA/Y.FBO74) KFL-HF/(F81M L:/HAB:RO94WT)ET-?D.FWI91D LE73XEM B.:/O74WD
 HA/Y.O92WM WA/Y.I\$.FBA63(D.FWI61D L"/)MO81R K.O74H YA(:A&EH-L./I70Y

)ELOHIYM03 W:/KO74H? YOSI80YP K.I74Y)IM-LI/P:N"94Y BO75W)-HA/\$.E91ME\$
)E+:(AM-LE73XEM)O71W KFL-M:)75W.MFH00 ³⁶ W:/KFL-?HF/(F74M HIK.I80YRW.
 WA/Y.IY+A73B B.:("75YN"Y/HE92M K.:KOL03):A\$E74R (F&F74H HA/M.E80LEK:
 B.:("YN"71Y KFL-?HF/(F73M +O75WB00 ³⁷ WA/Y."D:(94W. KFL-HF/(F91M
 W:/KFL-YI&:RF)"73L B.A/Y.O74WM HA/H92W.) K.I74Y LO70)? HFY:TFH03
 M"75/HA/M.E80LEK: L:/HFMI73YT)ET-)AB:N"71R B.EN-N"75R00 ³⁸ WA/Y.O71)MER
 HA/M.E73LEK:?)EL-:(ABFDF92Y/W H:A/LO74W) T"D:(80W. K.IY-&A74R W:/GFDO81WL
 NFPA91L HA/Y.O71WM HA/Z.E73H B.:YI&:RF)"75L00? ³⁹ W:/)FNOKI63Y HA/Y.O71WM
 RAK:03 W:/MF\$74W.XA ME80LEK: W:/HF/):ANF\$171YM HF/)"91L.EH B.:N"71Y
 C:RW.YF73H QF\$174YM? MI/M./E92N.IY Y:\$AL."94M Y:HWF91H L:/(O&"71H
 HF/RF(F73H K.:RF/FT/O75W00 **4** ¹ WA/Y.IS:MA74(B.EN-\$F)81W.L K.I74Y M"70T
)AB:N"R03 B.:XEB:RO80WN WA/Y.IR:P.73W. YFDF92Y/W W:/KFL-?YI&:RF)"73L
 NIB:HF75LW.00 ² W:/N"74Y):ANF\$174YM &FR"75Y-G:DW.DI74YM HFY93W.
 BEN-\$F)84W.L \$"M04 HF/)EXF63D? B.A75:(ANF61H W:/N"94M HA/\$."NI74Y R"KF81B
 B.:N"91Y RIM.O71WN HA/B.:)E75ROTI73Y MI/B.:N"74Y BIN:YFMI92N 10K.IY
 G.AM-B.:)"RO80WT? T."XF\$"73B (AL-B.IN:YFMI75N00 ³ WA/Y.IB:R:X71W.
 HA/B.:)"ROTI73YM G.IT.F92Y:M/FH WA75/Y.IH:YW.-\$F74M G.FRI80YM (A73D?
 HA/Y.O71WM HA/Z.E75H00 ⁴ W:/LI/YHO75WNFTFN03 B.EN-\$F)80W.L B."73N N:K"74H
 RAG:LF92YIM B.EN-XFM"74\$? \$FNI74YM HFYF83H B.:/BO74) \$:MU(AT04 \$F)63W.L
 WI/YHO75WNFTF61N MI75/Y.IZ:R:(E81)L WA/T.I&:F)"70HW.)O75MAN:T./OW03?
 WA/T.FNO80S WA/Y:HI62Y B.:/XFP:Z/F71H. LF/N91W.S WA/Y.IP.O71L WA/Y.IP.FS"73XA
 W:/M/O71W M:PIYBO75SET00 ⁵ WA/Y."63L:K61W. B.:N"75Y-?RIM.O70WN
 HA/B.:)"75ROTIY03 R"KF74B W:/BA:(ANF80H WA/Y.FBO33)W.03 K:/XO74M
 HA/Y.O80WM)EL-B."73YT)I74Y\$ B.O92SET? W:/H74W.) \$OK"80B)"73T MI\$:K.A71B
 HA75/C.FH:FRF75YIM00 ⁶ 14W:/H"N./FH B.F61)W. (AD-T.O70WK: HA/B.A33YIT03?
 LOQ:X"74Y XI+.I80YM WA/Y.AK.U73/HW.)EL-HA/XO92ME\$ W:/R"KF91B
 W:/BA:(ANF71H)FXI73Y/W NIM:LF75+W.00 ⁷ WA/Y.FBO74)W.? HA/B.A81YIT
 W:/H75W.)-\$OK"70B (AL-MI+.FT/OW03 B.A/X:ADA74R MI\$:K.FB/O80W
 WA/Y.AK.U33/HW.03 WA/Y:MITU80/HW. WA/Y.FSI73YRW.?)ET-RO)\$O92W
 WA/Y.IQ:XW.03)ET-RO)\$O80W WA/Y."75L:K91W. D.E71REK: HF/(:ARFBF73H
 K.FL-HA/L.F75Y:LFH00? ⁸ 14WA/Y.FBI)W.)ET-RO63)\$)I75Y\$-B.O71SET)EL-D.FWID02
 XEB:ROWN01 WA/Y.O75)M:RW.03)EL-HA/M.E80LEK:?) HIN."75H-RO74)\$
)I75Y\$-B.O81SET B.EN-\$F)W.L03)O75YIB:/KF80):A\$E71R B.IQ."73\$)ET-NAP:\$E92KF
 WA/Y.IT."74N? 14Y:HWFH LA75/)DON/I63Y HA/M.E70LEK: N:QFMOWT03
 HA/Y.O74WM HA/Z.E80H MI/\$.F)73W.L W:/MI/Z.AR:(/O75W00 ⁹ WA/Y.A63(AN?
 D.FWI61D)ET-R"KF74B05 W:/)ET-B.A:(ANF74H)FXI81Y/W B.:N"91Y RIM.O71WN
 HA/B.:)"75ROTI73Y WA/Y.O74)MER L/FHE92M XAY-?Y:HWF85H):A\$ER-P.FDF71H
)ET-NAP:\$I73Y MI/K.FL-CFRF75H00 ¹⁰ K.I74Y HA/M.AG.IYD04 L/I63Y L")MO61R
 HIN."H-?M"74T \$F)81W.L W:/H75W.)-HFYF70H KI/M:BA&."R03 B.:("YNF80Y/W
 WF/OX:AZF74H B/O80W WF/EH:R:G/"73HW. B.:CI75Q:LF92G?):A\$E71R
 L:/TIT.IY-L/O73W B.:&ORF75H00 ¹¹)A62P K.I75Y-):ANF\$174YM R:\$F(I81YM HFR:G94W.
)ET-)IY\$-?CAD.I91YQ B.:B"YT/O73W (AL-MI\$:K.FB/O92W W:/AT.F81H H:A/LO63W)
):ABAQ."70\$)ET-D.FM/OW03 MI/Y.ED:/KE80M? W:/BI(AR:T.I71Y)ET:/KE73M
 MIN-HF/)"F75REC00 ¹² WA/Y:CAW04 D.FWI63D)ET-HA/N:.(FRI61YM
 WA/Y.AHAR:G81W/M WA75/Y:QAC.:C70W.?)ET-Y:D"Y/HEM03
 W:/)ET-RAG:L"Y/HE80M WA/Y.IT:L71W. (AL-HA/B.:R"KF73H B.:XEB:RO92WN W:/)"63T
 RO70)\$?)I75Y\$-B.O33SET03 LFQF80XW. WA/Y.IQ:B.:R71W. B:/QE75BER-)AB:N"73R
 B.:XEB:RO75WN00 **5** ¹ WA/Y.FBO61)W. K.FL-\$IB:+"94Y YI&:RF)"91L)EL-D.FWI73D
 XEB:RO92WN/FH WA/Y.O)M:R74W. L")MO80R? HIN:/N91W. (AC:M:/KF71
 W.95/B:&FR:/KF73):ANF75X:NW.00 ² G.AM-)ET:MO74WL G.AM-\$IL:\$O81WM
 B.I/H:YO63WT \$F)71W.L? ME33LEK:03 (FL"80Y/NW.)AT.F81H **HFYI91YTF
 **HA/M.OWCI71Y) **W:/HA/M."BI73Y)ET-YI&:RF)"92L WA/Y.O63)MER Y:HWF61H?
 L:/KF81)AT.F63H TIR:(E70H)ET-(AM./IY03)ET-YI&:RF)"80L W:/)AT.F91H T.IH:YE71H
 L:/NFGI73YD (AL-?YI&:RF)"75L00 ³ 14WA/Y.FBO)W. K.FL-ZIQ:N"63Y YI&:RF)"70L
)EL-HA/M.E33LEK:03 XEB:RO80WN/FH WA/Y.IK:RO74T L/FHEM04? HA/M.E63LEK:
 D.FWI71D B.:RI91YT B.:XEB:RO73WN LI/P:N"74Y Y:HWF92H WA/Y.IM:\$X94W.
)ET-D.FWI91D L:/ME73LEK:?) (AL-YI&:RF)"75L00 ⁴ B.EN-\$:LO\$171YM \$FNF91H

D.FWI73D B.:MFL:K/O92W)AR:B.F(I71YM \$FNF73H? MFLF75K:00 ⁵ B.:XEB:ROWN03
MFLA74K: (AL-Y:HW.DF80H \$E71BA(\$FNI73YM W:/SI\$.F74H X:FDF\$192YM?
W./BI/YRW.\$FLA74IM MFLA81K: \$:LO\$170YM W:/FLO\$03 \$FNF80H (A71L
K.FL-YI&:RF)"73L WI/YHW.DF75H00? ⁶ WA/Y."63LEK: HA/M.E70LEK:
WA75/):ANF\$FY/W03 Y:R74W.\$FLA80IM)EL-HA/Y:BUSI73Y YOW\$"74B HF/)F92REC
WA/Y.O63)MER? L:/DFWI70D L"/)MOR03 LO)-TFBO74W) H"80N.FH K.I74Y
)IM-H:ESI75YR/:KF81 HA/(IW:RI70YM W:/HA/P.IS:XIYM03? L"/)MO80R
LO75)-YFBO71W) DFWI73D H"75N.FH00 ⁷ WA/Y.I.L:K.O74D D.FWI80D)"73T M:CUDA74T
CIY.O92WN HI73Y) (I71YR? D.FWI75D00 ⁸ WA/Y.O63)MER D.FWI61D B.A/Y.O74WM
HA/H81W.) K.FL-MAK."70H Y:BUSIY03 W:/YIG.A74(B.A/C.IN.O80WR
W:/)ET-?HA/P.IS:XIYM03 W:/)ET-HA74/(IW:RI80YM **&:NU)"73Y NE74PE\$ D.FWI92D
(AL-K."N03 YO75)M:R80W. (IW."74R W./PIS."80XA? LO71) YFBO73W)
)EL-HA/B.F75YIT00 ⁹ WA/Y."70\$EB D.FWID03 B.A/M.:CUDF80H WA/Y.IQ:RF)-L/F73H.
(I74YR D.FWI92D WA/Y.I70BEN? D.FWID03 SFB180YB MIN-HA/M.I.L.O73W)
WF/BF75Y:T/FH00 ¹⁰ WA/Y."71LEK: D.FWI73D HFLO74WK: W:/GFDO92WL
WA/YHWF91H?):ELOH"71Y C:BF)O73WT (IM./O75W00 ¹¹ 14WA/Y.IS:LAX XIYRF63M
ME75LEK:-CO71R MAL:JFKIYM02)EL-?D.FWID01 WA/(:AC"74Y):ARFZI80YM
W:/XFRF\$74Y ("80C W:/XF75RF\$73Y)E74BEN QI92YR WA/Y.IB:N75W.-BA73YIT
L:/DFWI75D00? ¹² WA/Y."74DA(D.FWI80D K.I75Y-H:EKIYN/O94W Y:HWF91H
L:/ME73LEK: (AL-YI&:RF)"92L W:/KIY03 NI&."74) MAM:LAK:T./O80W? B.A:(AB73W.R
(AM./O71W YI&:RF)"75L00 ¹³ WA/Y.IQ.AX04 D.FWI63D (O61WD P.I75LAG:\$170YM
W:/NF\$IYM03? MI/YR74W.\$FLA80IM)AX:AR"73Y B.O)/O74W M"/XEB:RO92WN
WA/Y.IW.F71L:DW. (O91WD L:/DFWI73D B.FNI71YM W:/BFNO75WT00? ¹⁴ W:/)81L.EH
\$:MO91WT HA/Y.I.L.ODI71YM L/O73W B.I/YRW.\$FLF92IM \$AM.74W.(A W:/SOWBF80B
W:/NFTF73N W:/\$:LOMO75H00? ¹⁵ W:/YIB:XF71R WE/):ELIY\$73W.(A W:/NE71PEG
W:/YFPI75Y(A00 ¹⁶ WE/):ELIY\$FMF71(W:/)EL:YFDF73(WE/):ELIYPF75LE+00
¹⁷ WA/Y.I\$:M:(74W. P:LI\$:T.I81YM K.IY-MF\$:X63W.)ET-D.FWI70D L:/ME33LEK:03
(AL-YI&:RF)"80L? WA/Y.A:(AL71W. KFL-P.:LI\$:T.I73YM L:/BAQ."74\$)ET-D.FWI92D
WA/Y.I\$:MA74(D.FWI80D WA/Y."73RED)EL-?HA/M.:CW.DF75H00 ¹⁸ W:/P:LI\$:T.I73YM
B.F92)W. WA/Y.IN.F+:\$73W. B.:/("71MEQ R:PF)I75YM00 ¹⁹ WA/Y.I\$:A63L? D.FWI70D
B.A75/YHWFH03 L"/)MO80R HA/E75:(ELEH03)EL-P.:LI\$:T.I80YM H:A/TIT.:N"73M
B.:YFD/I92Y WA/Y.O63)MER? Y:HWF70H)EL-D.FWID03 (:AL"80H K.I75Y-NFTO71N
)ET."91N)ET-HA/P.:LI\$:T.I73YM B.:YFD/E75KF00 ²⁰ WA/Y.FBO63)? DFWI71D
B:/BA75(AL-P.:RFCIYM02 WA/Y.AK./"74M \$F74M D.FWID01 WA/Y.O85)MER P.FRA63C
Y:HWF94H)ET-)OY:B/A91Y? L:/PFNA73Y K.:/PE74REC MF92YIM (AL-K."81N QFRF91)
\$75M-HA/M.FQO71WM HA/H73W.) B.A71(AL P.:RFCI75YM00?
²¹ WA/Y.A(AZ:BW.-\$F73M)ET-(ACAB."Y/HE92M WA/Y.I&:F)"71M D.FWI73D
WA/):ANF\$F75Y/W00 ²² WA/Y.OSI71PW.? (O91WD P.:LI\$:T.I73YM LA75/(:ALO92WT
WA/Y.IN.F75+:\$73W. B.:/("71MEQ R:PF)I75YM00 ²³ WA/Y.I\$:A70L D.FWID03
B.A75/YHWF80H? WA/Y.O73)MER LO74) TA(:ALE92H HFS"B03)EL-)A74X:AR"Y/HE80M
W:/BF71)TF L/FHE73M MI/M.71W.L B.:KF)I75YM00? ²⁴ 14WI/YHIY **K.:75/\$FM:(/:AKF62
)ET-QO94WL C:(FDF91H B.:/RF)\$71Y HA/B.:KF)I73YM)F74Z T.EX:ERF92C K.I74Y
)F81Z? YFCF70) Y:HWFH03 L:/PFNE80Y/KF L:/HAK.O73WT B.:/MAX:AN"71H
P:LI\$:T.I75YM00 ²⁵ WA/Y.A70(A& D.FWID03 K."80N K.A/):A\$E71R? CIW./F73HW.
Y:HWF92H WA/Y.AK:03)ET-P.:LI\$:T.I80YM MI/G.E73BA((AD-B.O/):AKF71 GF75ZER00
6 ¹ WA/Y.O63SEP (O71WD D.FWI91D)ET-K.FL-B.FX71W.R B.:/YI&:RF)"73L \$:LO\$171YM
)F75LEP00? ² WA/Y.F74QFM05 WA/Y."74LEK: D.FWI81D W:/KFL-HF/(FM03):A\$E74R
)IT./O80W MI75/B.A:(AL"73Y Y:HW.DF92H L:/HA(:ALO74WT MI/\$.F81M? ¹⁰)"T
):ARO74WN HF/):ELOHI80YM):A\$ER-NIQ:RF74) \$"81M \$"74M Y:HWF94H C:BF)O91WT
YO\$"71B HA/K.:RUBI73YM (FLF75Y/W00 ³ WA/Y.AR:K.I61BW.)ET-):ARO70WN
HF75/):ELOHIYM03)EL-(AGFLF74H X:AD\$F80H WA/Y.I&:F)U80/HW.? MI/B."71YT
):ABIYNFDF73B):A\$E74R B.A/G.IB:(F92H W:/UZF74) W:/)AX:YO81W B.:N"Y03
):ABI74YNFDF80B NOH:AGI73YM)ET-?HF/(:AGFLF71H X:AD\$F75H00
⁴ WA/Y.I&:F)U81/HW. MI/B."70YT):ABI75YNFDFB03):A\$E74R B.A/G.IB:(F80H (I73M
):ARO74WN? HF/):ELOHI92YM W:/)AX:YO85W HOL"73K: LI/P:N"71Y HF/)FRO75WN00
⁵ W:/DFWI74D05 W:/KFL-B."74YT YI&:RF)"81L? M:&A75X:AQIYM03 LI/P:N"74Y
Y:HWF80H B.:/KO73L (:AC"74Y B:ROW\$192YM W:/B:/KIN.ORO70WT W:/BI/N:BFLIYM03

W./B:/TUP.I80YM? W./BI/M:NA75(AN:(I73YM W.95/B:/CEL:CELI75YM00
 6 WA/Y.FBO73)W. (AD-G.O74REN NFKO92WN WA/Y.IS:LA63X (UZ.F61)
)EL-?):ARO70WN HF75/):ELOHIYM03 WA/Y.O74)XEZ B./O80W K.I71Y \$FM:+73W.
 HA/B.FQF75R00 7 WA/Y.I75XAR-)A70P Y:HWFH03 B.:(UZ.F80H? WA/Y.AK./"71HW.
 \$F91M HF/):ELOHI73YM (AL-HA/\$.A92L WA/Y.F74MFT \$F80M (I73M):ARO71WN
 HF/):ELOHI75YM00 8 WA/Y.I74XAR? L:/DFWI80D (AL04):A\$E63R P.FRA94C Y:HWF91H
 P.E73REC B.:(UZ.F92H WA/Y.IQ:RF62) LA/M.FQO70WM HA/HW.)03 P.E74REC?
 (UZ.F80H (A73D HA/Y.O71WM HA/Z.E75H00 9 WA/Y.IRF71) DFWI91D)ET-Y:HWF73H
 B.A/Y.O74WM HA/H92W.) WA/Y.O85)MER)"91YK:? YFBO71W))"L/A73Y):ARO71WN
 Y:HWF75H00 10 W:/LO75)-)F74H DFWI81D L:/HFSI71YR)"LF91Y/W)ET-):ARO71WN?
 Y:HWF73H (AL-(I74YR D.FWI92D WA/Y.A+./"74HW. DFWI80D B."71YT
 (OB"75D-):EDO73WM HA/G.IT.I75Y00 11 WA/Y."\$EB04?):ARO63WN Y:HWF61H B."74YT
 (OB"71D):EDO91M HA/G.IT.I73Y \$:LO\$F74H X:FDF\$192YM WA/Y:BF94REK: Y:HWF91H
)ET-?(OB"71D):EDO73M W:/)ET-K.FL-B."YT/O75W00 12 WA/Y.UG.A81D LA/M.E74LEK:
 D.FWID02 L"/)MOR01 B."RA74K: Y:HWF81H?)ET-B."63YT (OB"70D):EDOM03
 W:/)ET-K.FL-):A\$ER-L/O80W B.A:(AB73W.R):ARO74WN HF/):ELOHI92YM
 WA/Y."74LEK:? D.FWI81D WA/Y.A(AL04)ET-):ARO63WN HF/):ELOHI61YM MI/B."63YT
 (OB"71D):EDO91M (I71YR D.FWI73D B.:/&IM:XF75H00? 13 WA/Y:HI81Y K.I94Y
 CF:(AD91W. NO&:"71Y):AROWN-Y:HWF73H \$I\$.F74H C:(FDI92YM WA/Y.IZ:B.A71X
 \$O73WR W./M:RI75Y)00? 14 W:/DFWI91D M:KAR:K."71R B.:/KFL-(O73Z LI/P:N"74Y
 Y:HWF92H W:/DFWI85D XFG73W.R)"PO71WD B.F75D00 15 W:/DFWID03?
 W:/KFL-B."74YT YI&:RF)"80L MA:(ALI73YM)ET-):ARO74WN Y:HWF92H
 B.I/T:RW.(F73H W./B:/QO71WL \$OWPF75R00? 16 W:/HFYFH03):ARO74WN Y:HWF80H
 B.F73) (I74YR D.FWI92D W./MIYKA63L B.AT-\$F)61W.L NI\$:Q:PF74H05 B.:(A74D?
 HA/XAL.O81WN WA/T."63RE))ET-HA/M.E70LEK: D.FWID03 M:PAZ."70Z
 W./M:KAR:K."R03 LI/P:N"74Y Y:HWF80H WA/T.I71BEZ L/O73W? B.:/LIB./F75H.00
 17 WA/Y.FBI61)W.)ET-):ARO74WN Y:HWF81H WA/Y.AC.I70GW.)OT/OW03
 B.I/M:QOWM/O80W B.:/TO74WK: HF/):O80HEL?):A\$E71R NF+FH-L/O73W D.FWI92D
 WA/Y.A63(AL D.FWI71D (OLO91WT LI/P:N"71Y Y:HWF73H W./\$:LFMI75YM00
 18 WA/Y:KA74L? D.FWI80D M"/HA:(ALO71WT HF/(OWLF73H W:/HA/\$:LFMI92YM
 WA/Y:BF74REK:)ET-HF/(F80M B.:/)\$"73M Y:HWF71H C:BF)O75WT00? 19 WA/Y:XAL."63Q
 L:/KFL-HF/(F61M L:/KFL-H:AMO74WN YI&:RF)"L02 L:/M"/)I74Y\$ W.:(AD-)I\$.FH01
 L:/)I81Y\$? XAL.A71T LE33XEM03)AXA80T W:/)E\$.P.F74R)EXF80D WA/):A\$YF73H
)EXF92T WA/Y."71LEK: K.FL-HF/(F73M)I71Y\$? L:/B"YT/O75W00 20 WA/Y.F71\$FB
 WA/Y.F71\$FB D.FWI73D D.FWI73D L:/BFR"74K: L:/BFR"74K:)ET-)ET-B."YT/O92W
 B."YT/O92W WA/T."C"62) WA/T."C"62) MIYKA70L MIYKA70L B.AT-B.AT-\$F)W.L03?
 \$F)W.L03? LI/Q:RA74)T LI/Q:RA74)T D.FWI80D D.FWI80D WA/T.O81)MER
 WA/T.O81)MER MAH-MAH-N.IK:B.A63D N.IK:B.A63D HA/Y.O61WM HA/Y.O61WM
 ME74LEK: ME74LEK: YI&:RF)"81L YI&:RF)"81L):A\$E63R):A\$E63R NIG:LF70H?
 NIG:LF70H? HA/Y.OWM03 HA/Y.OWM03 K.:/HIG.FLO71WT L:/("YN"63Y NIG:LO73WT
)AM:HO74WT)AXA71D (:ABFDF80Y/W HF/R"QI75YM00 K.:/HIG.FLO71WT
 NIG:LO73WT)AXA71D HF/R"QI75YM00 21 WA/Y.O74)MER? D.FWID02)EL-MIYKAL01
 LI/P:N"74Y Y:HWF81H):A\$E63R B.F75XAR-B./I70Y M"75/)FBIY/K:03
 W./MI/K.FL-B."YT/O80W L:/CAW.O63T?)OT/I71Y NFGI91YD (AL-(A71M Y:HWF73H
 (AL-YI&:RF)"92L W:/&IXAQ:T.I73Y LI/P:N"71Y Y:HWF75H00? 22 W./N:QAL.O70TIY
 (OWD03 MI/Z.O80)T W:/HFYI71YTIY \$FPF73L B.:/("YNF92Y W.:(IM-HF75/):AMFHOWT03
):A\$E74R?)FMA80R:T.:(IM./F73M)IK.FB"75DFH00 23 W./L:/MIYKAL03 B.AT-\$F)80W.L
 LO75)-HF71YFH L/F73H. YF92LED? (A73D)3 YO71WM MOWT/F75H.00 7 1 WA/Y:HI85Y
 K.IY-YF\$A71B HA/M.E73LEK: B.:/B"YT/O92W WA/YHWF91H H"NI75YXA-L/O71W
 MI/S.FBI73YB MI/K.FL-?)OY:BF75Y/W00 2 WA/Y.O70)MER HA/M.E33LEK:03
)EL-NFTF74N HA/N.FBI80Y) R:)"74H NF80))FNOKI71Y YOW\$"73B B.:/B"74YT?
):ARFZ192YM WA75/):AROWN03 HF75/):ELOHI80YM YOS"73B B.:/TO71WK:
 HA/Y:RIY(F75H00 3 WA/Y.O70)MER NFTFN03)EL-HA/M.E80LEK:? K.O91L):A\$E71R
 B.I75/L:BFB/:KF73 L"74K: (:A&"92H K.I71Y Y:HWF73H (IM./F75K:00 4 WA/Y:HI73Y
 B.A/L.A74Y:LFH? HA/H92W.) WA75/Y:HIY03 D.:BAR-Y:HWF80H)EL-NFTF73N
 L"/)MO75R00 5 L"70K: W:/)F75MAR:T.F03)EL-(AB:D./I74Y?)EL-D.FWI80D K.O73H
)FMA74R Y:HWF92H HA/):AT.F91H T.IB:NEH-L./I71Y BA73YIT L:/)\$IB:T./I75Y00 6 K.I74Y

LO70)? YF\$A33B:T.IY03 B.:/BA80YIT 14L:/MI/Y.OWM HA(:ALOTI62Y)ET-B.:N"70Y
 YI&:RF)"L03 MI/M.IC:RA80YIM W:/ (A73D HA/Y.O74WM? HA/Z.E92H WF)/E75H:YEH03
 MIT:HAL."80K: B.:/O73HEL W./B:/MI\$:K.F75N00 7 B.:/KO71L
):A\$E75R-HIT:HAL.AK:T.IY02? B.:/KFL-B.:N"74Y YI&:RF)"L01 H:A/DFBF74R
 D.IB.A81R:T.IY)ET-)AXAD03 \$IB:+ "74Y YI&:RF)"80L):A\$E74R? CIW.I81YTIY
 LI/R:(O91WT)ET-(AM./I71Y)ET-YI&:RF)"73L L"/)MO92R LF91/M.FH LO75)-B:NIYTE71M
 L/I73Y B."71YT?):ARFZI75YM00 8 14W:/ (AT.FH K.O75H-TO)MA62R L:/ (AB:D./I74Y
 L:/DFWI81D K.O70H)FMAR03 Y:HWF74H C:BF)O80WT?):ANI70Y L:QAX:T.I33Y/KF03
 MIN-HA/N.FWE80H M"/)AXA73R HA/C.O92)N LI75/H:YO74WT NFGI80YD
 (AL-(AM./I73Y (AL-?YI&:RF)"75L00 9 WF)/EH:YE74H (IM./:KF81 B.:/KOL03):A\$E74R
 HFLA80K:T.F WF)/AK:RI71TFH)ET-K.FL-)OY:BE73Y/KF? MI/P.FNE92Y/KF
 W:/ (F&I70TI75Y L:/KF03 \$"74M G.FDO80WL K.:/"71M HA/G.:DOLI73YM):A\$E71R
 B.F)/F75REC00 10 W:/&AM:T.I74Y? 14MFQOWM L:/ (AM./I63Y L:/YI&:RF)"70L
 W./N:+A:(T.IY/W03 W:/\$FKA74N T.AX:T.F80Y/W W:/LO71) YIR:G.A73Z (O92WD
 W:/LO75)-?YOSI70YPW. B:N"75Y-(AW:LFH03 L:/ (AN.OWT/O80W K.A):A\$E73R
 B.F/RI)\$OWNF75H00 11 W./L:/MIN-HA/Y.O81WM):A\$E63R? CIW.I70YTIY \$O75P:+IYM03
 (AL-(AM./I74Y YI&:RF)"80L WA/H:ANIYXO71TIY L:/KF73 MI/K.FL-)OY:BE92Y/KF
 W:/HIG.I70YD? L:/KF03 Y:HWF80H K.IY-BA73YIT YA(:A&EH-L.:KF71 Y:HWF75H00
 12 K.I74Y05 YIM:L:)74W. YFME81Y/KF W:/\$F75KAB:T.F03?)ET-):ABOTE80Y/KF
 WA/H:AQIYMOTI70Y)E75T-ZAR:(/AKF03)AX:ARE80Y/KF):A\$E71R Y"C"73)
 MI/M."(E92Y/KF WA/H:AKIYNOTI73Y?)ET-MAM:LAK:T./O75W00 13 H71W.)
 YIB:NEH-B.A73YIT LI\$/M/192Y W:/KONAN:T.I91Y)ET-K.IS."71) MAM:LAK:T./O73W?
 (AD-(OWLF75M00 14):ANIY03)EH:YEH-L./O74W L:/)F80B W:/H73W.) YIH:YEH-L./I74Y
 L:/B"92N):A\$ER03 B.:/HA74(:AWOT/O80W? W:/HO75KAX:T.IY/W03 B.:/"74BE+
):ANF\$180YM W./B:/NIG:("73Y B.:N"71Y)FDF75M00 15 W:/XAS:D./I73Y LO)-YFS74W.R
 MI/M./E92N.W.? K.A):A\$E70R H:ASIRO33TIY03 M"/(I74M \$F)80W.L):A\$E71R
 H:ASIRO73TIY MI/L.:/PFNE75Y/KF00 16 W:/NE):MA63N B."YT:/KF94?
 W:/MAM:LAK:T.:/KF91 (AD-(OWLF73M L:/PFNE92Y/KF K.I75S):/AKF80 YIH:YE71H
 NFKO73WN (AD-(OWLF75M00 17 K.:/KOL03? HA/D.:BFRI74YM HF)/"80L.EH W./K:/KO73L
 HA/XIZ.FYO74WN HA/Z.E92H K."91N D.IB.E71R NFTF73N)EL-D.FWI75D00
 18 WA/Y.FBO)03 HA/M.E74LEK: D.FWI80D WA/Y."73\$EB LI/P:N"74Y Y:HWF92H
 WA/Y.O81)MER MI74Y)FNOKI62Y):ADONF70Y Y:HWIH03? W./MI74Y B"YT/I80Y
 K.I71Y H:ABIY)OTA73/NIY (AD-H:ALO75M00 19 WA/T.IQ:+AN04 (O63WD ZO70)T
 B.:/("YNE33Y/KF03):ADONF74Y? Y:HWI80H WA/T.:DAB."91R G.A71M
)EL-B."75YT-(AB:D.:/KF73 L:/M"75/RFXO92WQ W:/ZO91)T T.OWRA71T HF)/FDF73M
):ADONF71Y? Y:HWI75H00 20 W./MAH-Y.OWSI71YP D.FWI91D (O73WD L:/DAB."74R
)"LE92Y/KF W:/)AT.F91H YFDA71(T.F)E75T-(AB:D.:/KF73?):ADONF71Y Y:HWI75H00
 21 B.A:(AB70W.R D.:BF75R:/KF03 W.95/K:/LIB.:/KF80 (F&I85YTF)"71T
 K.FL-HA/G.:DW.L.F73H HA/Z.O92)T? L:/HOWDI73Y(A)ET-(AB:D./E75KF00 22 (AL-K."71N
 G.FDA73L:T.F):ADONF74Y Y:HWI92H K.I75Y-) "74YN K.FMO81W/KF? W:/)"70YN
):ELOHIYM03 Z75W.LFT/E80KF B.:/KO71L):A\$ER-\$FMA73(:NW. B.:/FZ:N"75Y/NW.00
 23 W./MI70Y K:/ (AM./:KF03? K.:/YI&:RF)"80L G.O71WY)EXF73D B.F)/F92REC):A\$E74R
 HFL:K75W.-14):ELOHIYM LI/P:D.O75WT-L/O63W L:/ (F61M? W:/LF/&94W.M L/O74W
 \$"81M W:/LA/(:A&O63WT L/FKE61M HA/G.:DW.L.F70H W:/NO75RF)OWT03
 L:/)AR:C/E80KF MI/P.:N"74Y (AM./:KF81?):A\$E63R P.FDI70YTF L:/:KF03
 MI/M.IC:RA80YIM G.OYI73M W"/)LOHF75Y/W00 24 WA/T.:KO74WN"75N 14L:/KF
)ET-(AM./:KF03? YI&:RF)"94L05 L:/KF91 L:/ (F73M (AD-(OWLF92M W:/)AT.F74H
 Y:HWF80H HFYI71YTF L/FHE73M L"/)LOHI75YM00 25 W:/ (AT.FH03 Y:HWF74H
):ELOHI80YM HA/D.FBF81R):A\$E63R D.IB.A70R:T.F (A75L-(AB:D.:/KF03
 W:/ (AL-B."YT/O80W? HFQ"73M (AD-(OWLF92M WA/(:A&"73H K.A):A\$E71R
 D.IB.A75R:T.F00 26 W:/YIG:D.A63L \$IM:/KF70 (AD-(OWLFM03? L"/)MO80R Y:HWF74H
 C:BF)O80WT):ELOHI73YM (AL-YI&:RF)"92L W./B"YT03 (AB:D.:/KF74 DFWI80D
 YIH:YE71H? NFKO73WN L:/PFNE75Y/KF00 27 K.I75Y-)AT.FH04 Y:HWF63H C:BF)O61WT
):ELOH"74Y YI&:RF)"81L G.FLI61YTFH)ET-?)O70ZEN (AB:D.:/KF03 L"/)MO80R
 B.A73YIT)EB:NEH-L./F92K: (AL-K."81N MFCF70) (AB:D.:/KF03)ET-LIB./O80W?
 L:/HIT:P.AL."74L)"LE80Y/KF)ET-HA/T.:PIL.F73H HA/Z.O75)T00 28 W:/ (AT.F74H05
):ADONF74Y Y:HWI81H)AT.FH-?HW.)03 HF75):ELOHI80YM W./D:BFRE73Y/KF

YIH:Y74W.):EME92T WA/T.:DAB."R03)E75L-(AB:D./:KF80)ET-HA/+.OWBF73H? HA/Z.O75)T00 ²⁹ W:/(AT.F81H HOW)"L03 W./BFR"K:03)ET-B."74YT (AB:D./:KF80 LI/H:YO71WT L:/(OWLF73M? L:/PFNE92Y/KF K.I75Y-)AT.F62H):ADONF70Y Y:HWIH03 D.IB.A80R:T.F W./MI/B.IR:KF74T/:KF80 Y:BORA71K: B."75YT-(AB:D./:KF73? L:/(OWLF75M00 **8** ¹ WA75/Y:HIY03)A75X:AR"Y-K"80N WA/Y.A71K: D.FWI91D)ET-P.:LI\$:T.I73YM WA/Y.AK:NIY(/"92M WA/Y.IQ.A71X D.FWI91D?)ET-ME71TEG HF/)AM.F73H MI/Y.A71D P.:LI\$:T.I75YM00 ² WA/Y.A74K:)ET-MOW)F81B WA75/Y:MAD.:D/"70M B.A/XE33BEL03? HA\$:K."74B)OWT/F74M)A80R:C/FH WA/Y:MAD."70D \$:N"75Y-X:ABFLIYM03 L:/HFMI80YT W./M:LO71) HA/XE73BEL? L:/HAX:AYO92WT WA/T.:HI70Y MOW)FB03 L:/DFWI80D LA:(ABFDI73YM NO&:)"71Y MIN:XF75H00 ³ WA/Y.A74K: WA/Y.A74K: D.FWI80D D.FWI80D)ET-?)ET-?H:ADAD:(E71ZER H:ADAD:(E71ZER B.EN-B.EN-R:XO73B R:XO73B ME74LEK: ME74LEK: COWBF92H COWBF92H B.:/LEK:T./O85W B.:/LEK:T./O85W L:/HF\$171YB L:/HF\$171YB YFD/O73W YFD/O73W **P.:RF75T00?ja B.I75/N:HAR-**P.:RF75T00?ja ⁴ WA/Y.IL:K.O63D D.FWI61D MI/M./E81N.W.)E70LEP W./\$:BA(-M)"OWT03 P.FR\$180YM W:/(E&:RI71YM)E73LEP)I74Y\$? RAG:LI92Y WA/Y:(AQ."70R D.FWID03)ET-K.FL-HF/RE80KEB WA/Y.OWT"71R MI/M./E73N.W. M"71)FH RF75KEB00 ⁵ WA/T.FBO)03?):ARA74M D.AM.E80&EQ LA/(:ZO85R LA/H:ADAD:(E73ZER ME74LEK: COWBF92H WA/Y.A70K: D.FWID03 B.A75/):ARF80M (E&:RI75YM-?W./\$:NA71YIM)E73LEP)I75Y\$00 ⁶ WA/Y.F63&EM D.FWI70D N:CIBIYM03 B.A/):ARA74M D.AM.E80&EQ WA/T.:HI70Y):ARFM03? L:/DFWI80D LA:(ABFDI73YM NOW&:)"74Y MIN:XF92H WA/Y.O70\$A(Y:HWFH03)ET-D.FWI80D B.:/KO73L):A\$E71R HFLF75K:00? ⁷ WA/Y.IQ.A74X D.FWI81D 10)"T \$IL:+ "74Y HA/Z.FHF80B):A\$E74R HFY80W.)E73L (AB:D"74Y H:ADAD:(F92ZER WA/Y:BIY)/"73M? Y:RW.\$FLF75IM00 ⁸ W./MI/B.E71+AX W./MI/B."75ROTA73Y (FR"74Y H:ADAD:(F92ZER LFQA62X HA/M.E94LEK: D.FWI91D N:XO73\$ET? HAR:B."71H M:)O75D00 ⁹ WA/Y.I\$:MA85(T.O73(IY ME74LEK: X:AMF92T 10K.IY HIK.F74H DFWI80D)"73T? K.FL-X"71YL H:ADAD:(F75ZER00 ¹⁰ WA/Y.I\$:LA74X T.O74(IY)ET-YO75WRFM-B.:N/O74W)EL-HA/M.E75LEK:-?14D.FWID LI/\$):FL-L/O63W L:/FLO61WM W.95/L:/BFR:AK/O81W (AL04):A\$E63R NIL:XA70M B.A/H:ADAD:(E33ZER03 WA/Y.AK./"80HW.? K.IY-)I91Y\$ MIL:X:AMO71WT T.O73(IY HFYF74H H:ADAD:(F92ZER W./B:/YFD/O81W HFY91W. K.:L"75Y-KE71SEP W./K:L"75Y-?ZFHF73B W./K:L"71Y N:XO75\$ET00 ¹¹ G.AM-)OT/F85M HIQ:D.I91Y\$ HA/M.E71LEK: D.FWI73D LA75/YHWF92H (IM-HA/K.E70SEP? W:/HA/Z.FHF03):A\$E74R HIQ:D.I80Y\$ MI/K.FL-HA/G.OWYI73M):A\$E71R K.IB."75\$00 ¹² M")/ARF70M W./MI/M.OW)FB03? W./MI/B.:N"74Y (AM.O80WN W./MI/P.:LI\$:T.I73YM W./M"75/(:AMFL"92Q W./MI/\$.:LA91L H:ADAD:(E71ZER B.EN-R:XO73B ME71LEK:?) COWBF75H00 ¹³ WA/Y.A70(A& D.FWID03 \$"80M B.:/\$UB/O85W M"/HAK.OWT/O71W)ET-):ARF73M B.:/G"Y)-ME92LAX? \$:MOWNF71H (F&F73R)F75LEP00 ¹⁴ WA/Y.F63&EM B.E/):EDO61WM N:CIBI81YM B.:/KFL-):EDOWM03 &F74M? N:CIBI80YM WA/Y:HI71Y KFL-):EDO73WM (:ABFDI74YM L:/DFWI92D WA/Y.O70W\$A(Y:HWFH03)ET-D.FWI80D B.:/KO73L?):A\$E71R HFLF75K:00 ¹⁵ WA/Y.IM:LO71K: D.FWI73D (AL-K.FL-YI&:RF)"92L WA/Y:HI74Y DFWI81D (O&E91H MI\$:P.F71+? W./C:DFQF73H L:/KFL-(AM./O75W00 ¹⁶ W:/YOW)F71B B.EN-C:RW.YF73H (AL-HA/C.FBF92) WI/YHOW\$FPF71+ B.EN-?):AXIYL73W.D MAZ:K.I75YR00 ¹⁷ W:/CFDO94WQ B.EN-):AXIY+91W.B WA/):AXIYME71LEK: B.EN-)EB:YFTF73R? K.OH:ANI92YM W./&:RFYF73H SOWP"75R00 ¹⁸ W./B:NFYF73HW.03 B.EN-Y:HO74WYFDF80(W:/HA/K.:R"TI73Y W:/HA/P.:L"TI92Y W./B:N"71Y? DFWI73D K.OH:ANI71YM HFY75W.00 **9** ¹ WA/Y.O74)MER D.FWI80D H:A/KI74Y YE\$-(O80WD):A\$E71R NOWTA73R L:/B"74YT \$F)92W.L W:/)E:(E&E70H? (IM./OW03 XE80SED B.A:(AB73W.R Y:HOWNFTF75N00 ² W./L:/B"63YT \$F)71W.L (E33BED03 W./\$:M/O74W CIYBF80) WA/Y.IQ:R:)W.-?L/O73W)EL-D.FWI92D WA/Y.O63)MER HA/M.E94LEK:)"LF91Y/W HA/AT.F71H CIYBF73) WA/Y.O71)MER (AB:D./E75KF00 ³ WA/Y.O74)MER? HA/M.E81LEK: HA/)/E63PES (O71WD)IY\$03 L:/B"74YT \$F)80W.L W:/)E:(E&E71H (IM./O73W XE74SED):ELOHI92YM? WA/Y.O70)MER CIYBF)03)EL-HA/M.E80LEK: (O91WD B."71N LI/YHOWNFTF73N N:K"71H RAG:LF75YIM00 ⁴ WA/Y.O75)MER-L/O71W? HA/M.E73LEK:)"YPO74H H92W.) WA/Y.O70)MER CIYBF)03)EL-HA/M.E80LEK: HIN."H-H81W.) B."91YT MFKI71YR B.EN-?(AM.IY)"73L B.:/LO71W D:BF75R00 ⁵ WA/Y.I\$:LA73X HA/M.E74LEK: D.FWI92D

WA/Y.IQ.FX/"81HW. MI/B."91YT MFKI71YR B.EN-?(AM.IY)"73L MI/L.O71W D:BF75R00
 6 14WA/Y.FBO) M:PIYBO63\$ET B.EN-Y:HOWNFTF70N B.EN-\$F)W.L03)EL-D.FWI80D?
 WA/Y.IP.O71L (AL-P.FNF73Y/W WA/Y.I\$:T.F92XW. WA/Y.O70)MER D.FWID03
 M:PIYBO80\$ET WA/Y.O73)MER HIN."71H (AB:D./E75KF00? 7 WA/Y.O)MER04 L/O63W
 DFWI61D)AL-T.IYRF81) K.I74Y (F&OH04)E:(E&E63H (IM.:/KF71 XE33SED03
 B.A75:(ABW.R03 Y:HOWNFTF74N?)FBI80Y/KF WA/H:A\$IBOTI74Y L:/KF80
)E75T-K.FL-&:D"73H \$F)74W.L)FBI92Y/KF W:/)AT.F81H T.O71)KAL LE91XEM?
 (AL-\$UL:XFN/I73Y T.FMI75YD00 8 WA/Y.I\$:T.A85XW. WA/Y.O73)MER ME74H
 (AB:D./E92KF K.I74Y PFNI80YTF)EL-HA/K.E71LEB? HA/M."73T):A\$E71R
 K.FMO75W/NIY00 9 WA/Y.IQ:RF74) HA/M.E81LEK:)EL-CIYBF91) NA71(AR \$F)73W.L
 WA/Y.O74)MER?)"LF92Y/W K.OL04):A\$E63R HFYF70H L:(\$F)W.L03
 W.L:/KFL-B."YT/O80W NFTA73T.IY L:/BEN-):ADONE75Y/KF00 10 W:/FBA74D:T.F?
 L./O74W)E75T-HF):ADFMF83H)AT.FH04 W./BFNE63Y/KF WA/(:ABFDE61Y/KF
 W:/H"B"81)TF W:/HFYF63H L:/BEN-):ADONE70Y/KF? L.E33XEM03 WA/):AKFL/O80W
 W/M:PIYBO33\$ET03 B.EN-):ADONE80Y/KF YO)KA71L T.FMI91YD LE73XEM
 (AL-\$UL:XFN/I92Y? W.L:/CIYBF81) X:AMIS.F71H (F&F91R B.FNI73YM W:/E&:RI71YM
 (:ABFDI75YM00 11 WA/Y.O70)MER CIYBF)03)EL-?HA/M.E80LEK: K:/KOL04):A\$E63R
 Y:CAW.E61H):ADON/I70Y HA/M.E33LEK:03)ET-(AB:D./O80W K."73N YA:(A&E74H
 (AB:D./E92KF? W/M:PIYBO81\$ET)OK"L03 (AL-\$UL:XFN/I80Y K:/)AXA73D
 MI/B.:N"71Y HA/M.E75LEK:00 12 W:/LI/M:PIYBO71\$ET? B."N-QF+F73N W:/M/O74W
 MIYKF92) W:/KOL03 MOW\$A74B B."YT-CIYBF80) (:ABFDI73YM LI/M:PIYBO75\$ET00?
 13 W/M:PIYBO81\$ET YO\$"B03 B.I/YR74W.\$FLA80IM K.I74Y (AL-\$UL:XA71N
 HA/M.E91LEK: T.FMI73YD H74W.))OK"92L? W:/H71W.) P.IS."73XA \$T."71Y
 RAG:LF75Y/W00 10 1 WA75/Y:HIY03)A75X:AR"Y-K"80N WA/Y.F85MFT ME73LEK:
 B.:N"74Y (AM.O92WN WA/Y.IM:LO91K: XFN71W.N B.:N/O73W T.AX:T.F75Y/W00?
 2 WA/Y.O63)MER D.FWI61D)E:(E&EH-XE74SED05 (IM-XFN74W.N B.EN-NFXF81\$
 K.A):A\$ER04 (F&F63H)FBI70Y/W (IM.FD/IY03? XE80SED WA/Y.I\$:LA63X D.FWI94D
 L:/NAX:AM/O91W B.:YAD-(:ABFDF73Y/W)EL-)FBI92Y/W WA/Y.FBO33)W.O3
 (AB:D"74Y DFWI80D?)E73REC B.:N"71Y (AM.O75WN00 3 WA/Y.O)M:RW.04 &FR"63Y
 B.:N"75Y-(AM.O61WN)EL-XFN74W.N):ADO75N"Y/HE81M HA75/M:KAB."63D?
 D.FWI70D)ET-)FBI33Y/KF03 B.:("YNE80Y/KF K.I75Y-\$FLA71X L:/KF73
 M:NA75X:AMI92YM 14H:A/LOW) B.A:(AB62W.R X:AQO70WR?)ET-HF/(IYR03
 W.L:/RAG.:L/F74H. W.L:/HFP:K/F80H. \$FLA71X D.FWI91D)ET-(:ABFDF73Y/W
)"LE75Y/KF00 4 WA/Y.IQ.A63X? XFN61W.N)ET-(AB:D"74Y DFWI81D WA/Y:GAL.AX03
)ET-X:ACI74Y Z:QFN/F80M WA/Y.IK:RO94T)ET-MAD:W"Y/HE91M B.A/X"73CIY (A74D
 \$:TO75WT"Y/HE92M WA75/Y:\$AL.:X/"75M00 5 WA/Y.AG.I70DW. L:/DFWID03
 WA/Y.I\$:LA74X LI/Q:RF)T/F80M K.I75Y-HFY71W.? HF):ANF\$I73YM NIK:LFMI74YM
 M:)O92D WA/Y.O70)MER HA/M.E33LEK:03 \$:B74W. BI75/YR"XO80W (AD-Y:CAM.A71X
 Z:QAN:KE73M? W:/\$AB:T.E75M00 6 WA/Y.IR:)W.03 B.:N"74Y (AM.O80WN K.I71Y
 NIB:):A\$73W. B:/DFWI92D WA/Y.I\$:L:X74W. B:N"75Y-(AM.O83WN? WA/Y.I&:K:RW.04
)ET-):ARA63M B."YT-R:XO61WB W:/)ET-):ARA74M COWBF81) (E&:RI71YM)E33LEP03
 RAG:LI80Y? W:/)ET-ME70LEK: MA75:(AKFH03)E74LEP)I80Y\$ W:/)I74Y\$ +O80WB
 \$:N"YM-(F&F71R)E73LEP)I75Y\$00? 7 WA/Y.I\$:MA73(D.FWI92D WA/Y.I\$:LAX03
)ET-YOW)F80B W:/)"71T K.FL-HA/C.FBF73) HA/G.IB.ORI75YM00 8 WA/Y."75C:)W.03?
 B.:N"74Y (AM.O80WN WA/Y.A(AR:K71W. MIL:XFMF73H P.E74TAX HA/\$F92(AR
 WA/):ARA63M COWBF70) W./R:XOWB03 W:/)I75Y\$-?+O74WB W./MA75:(AKF80H
 L:/BAD/F73M B.A/&.FDE75H00 9 WA/Y.A74R:) YOW)F81B K.I75Y-HFY:TF70H
)"LFY/W03 P.:N"74Y? HA/M.IL:XFMF80H MI/P.FNI73YM W./M"75)FXO92WR
 WA/Y.IB:XA81R MI/K.OL03 B.:XW.R"74Y **YI&:RF)"80L WA75/Y.A:(ARO73K:?
 LI/Q:RA71)T):ARF75M00 10 W:/)"T03 YE74TER HF/(F80M NFTA85N B.:YA73D
)AB:\$A74Y)FXI92Y/W WA75/Y.A:(ARO85K: LI/Q:RA73)T B.:N"71Y (AM.O75WN00
 11 WA/Y.O81)MER)IM-T.EX:EZA70Q):ARFM03 MI/M./E80N.IY W:/HFYI71TFH L./I73Y?
 LI75/Y\$W.(F92H W:/)IM-B.:N"70Y (AM.OWN03 YEX:EZ:Q74W. MI/M.:KF80
 W:/HFLAK:T.I73Y L:/HOW\$I71Y(A75 L/F75K:00 12 X:AZA70Q? W:/NIT:XAZ.AQ03
 B.:AD-(AM."/80NW. W./B:(A73D (FR"74Y):ELOH"92Y/NW. WA75/YHWF80H
 YA:(A&E71H HA/+O73WB B.:("YNF75Y/W00? 13 WA/Y.IG.A74\$ YOW)F81B W:/HF/(FM03
):A\$E74R (IM/O80W LA/M.IL:XFMF73H B.A95):ARF92M WA/Y.FNU73SW.

MI/P.FNF75Y/W00 ¹⁴ W./B:N"63Y? (AM.O70WN RF)W.03 K.IY-NF74S):ARF80M
 WA/Y.FNU33SW.03 MI/P.:N"74Y):ABIY\$A80Y WA/Y.FBO73)W. HF/(I92YR WA/Y.F74\$FB
 YOW)F81B? M"/(AL03 B.:N"74Y (AM.O80WN WA/Y.FBO73) Y:RW.\$FLF75IM00
¹⁵ WA/Y.A74R:)):ARF80M K.I71Y NIG.A73P LI/P:N"74Y YI&:RF)"92L? WA/Y.)FS:P73W.
 YF75XAD00 ¹⁶ WA/Y.I\$:LA74X H:ADAD:(E81ZER WA/Y.OC"70))ET-):ARFM03):A\$ER03
 M"/("74BER? HA/N.FHF80R WA/Y.FBO73)W. X"YLF92M W:\$OWBA91K: &AR-C:BF71)
 H:ADAD:(E73ZER LI/P:N"Y/HE75M00 ¹⁷ WA/Y.UG.A74D? L:/DFWI81D WA/Y.E):ESO70P
)ET-K.FL-YI&:RF)"L03 WA/Y.A:(ABO74R)ET-HA/Y.AR:D."80N WA/Y.FBO73)?
 X"LF92)M/FH WA/Y.A(AR:K70W.):ARFM03 LI/Q:RA74)T D.FWI80D
 WA/Y.I.L.FX:AM73W. (IM./O75W00 ¹⁸ WA/Y.F74NFS):ARFM02? MI/P.:N"74Y YI&:RF)"L01
 WA/Y.AH:ARO63G D.FWI61D M"/):ARF81M \$:BA70(M")OWT03 RE80KEB
 W:/)AR:B.F(I71YM)E73LEP? P.FRF\$192YM W:/)"63T \$OWBA94K: &AR-C:BF)/O91W
 HIK.F73H WA/Y.F71MFT \$F75M00 ¹⁹ WA/Y.IR:)63W. KF75L-?HA/M.:LFKI61YM
 (AB:D"74Y H:ADAD:(E81ZER K.I70Y NIG.:PW.03 LI/P:N"74Y YI&:RF)"80L
 WA/Y.A\$:LI71MW.)ET-YI&:RF)"73L? WA/Y.A75(AB:D92W./M WA/Y.I75R:)74W.
):ARF80M L:/HOW\$171Y(A (O73WD)ET-B.:N"71Y (AM.O75WN00 **11** ¹ WA/Y:HIY04
 LI/T:\$W.BA63T HA/\$.FNF61H L:/("74T05 C"74)T HA/M.AL:),KI81YM]1 WA/Y.I\$:LA74X
 D.FWI83D?)ET-YOW)FB04 W:/)ET-(:ABFDF63Y/W (IM./O61W W:/)ET-K.FL-YI&:RF)"81L
 WA/Y.A\$:XI33TW.03)ET-B.:N"74Y (AM.O80WN? WA/Y.FCU73RW. (AL-RAB.F92H
 W:/DFWI73D YOW\$"71B B.I/YRW.\$FLF75IM00 ² WA/Y:HI74Y05 L:/("74T HF/(E81REB?
 WA/Y.F63QFM D.FWI61D M"/(A70L MI\$:K.FB/OW03 WA/Y.IT:HAL."K:03 (AL-G.A74G
 B."YT-HA/M.E80LEK: WA/Y.A71R:))I\$.F91H? ROXE73CET M"/(A74L HA/G.F92G
 W:/HF74/)I\$.F80H +OWBA71T MAR:)E73H M:)O75D00 ³ WA/Y.I\$:LA74X D.FWI80D
 WA/Y.ID:RO73\$? LF75/)I\$.F92H WA/Y.O81)MER H:A/LOW)-ZO)T03 B.AT-\$E74BA(
 B.AT-):ELIY(F80M)"73\$ET)W.RIY.F71H HA/XIT.I75Y00? ⁴ WA/Y.I\$:LAX04 D.FWI63D
 MAL:)FKI61YM WA/Y.IQ.FX/E81HF WA/T.FBO70W))"LFY/W03 WA/Y.I\$:K.A74B
 (IM./F81H. W:/HI71Y)? MIT:QAD.E73\$ET MI/+.UM:)FT/F92H. WA/T.F73\$FB
)EL-B."YT/F75H.00 ⁵ WA/T.A73HAR HF75/)I\$.F92H WA/T.I\$:LAX03? WA/T.AG."74D
 L:/DFWI80D WA/T.O73)MER HFRF71H)FNO75KIY00 ⁶ WA/Y.I\$:LA70X D.FWID03
)EL-YOW)F80B \$:LA74X)"L/A80Y?)ET-)75W.RIY.F73H HA/XIT.I92Y WA/Y.I\$:LA71X
 YOW)F91B)ET-)75W.RIY.F73H)EL-D.FWI75D00 ⁷ WA/Y.FBO71))W.RIY.F73H?
)"LF92Y/W WA/Y.I\$:A74L D.FWI81D LI/\$:LO70WM YOW)FB03 W:/LI/\$:LO74WM
 HF/(F80M W:/LI/\$:LO73WM HA/M.I.L:XFMF75H00? ⁸ WA/Y.O70)MER D.FWID03
 L:/)74W.RIY.F81H R"71D L:/B"YT/KF73 W:/R:XA74C RAG:LE92Y/KF WA/Y."C"70)
)75W.RIY.FH03 MI/B."74YT? HA/M.E80LEK: WA/T."C"71))AX:ARF73Y/W MA&:)A71T
 HA/M.E75LEK:00 ⁹ WA/Y.I\$:K.A74B)W.RIY.F81H 10P.ETAX B."74YT? HA/M.E80LEK:
)"73T K.FL-(AB:D"74Y):ADONF92Y/W W:/LO71) YFRA73D)EL-B."YT/O75W00
¹⁰ WA/Y.AG.I70DW. L:/DFWID03? L"/)MO80R LO75)-YFRA71D)W.RIY.F73H
)EL-B."YT/O92W WA/Y.O63)MER D.FWI61D)EL-)W.RIY.F81H H:A/LO70W)?
 MI/D.E33REK:03)AT.F74H BF80) MAD.73W.(A LO75)-YFRA71D:T.F)EL-B."YT/E75KF00
¹¹ WA/Y.O63)MER WA/Y.O63)MER)W.RIY.F61H?)W.RIY.F61H?)EL-)EL-D.FWI81D
 D.FWI81D 14HF/)FROWN 14HF/)FROWN W:/YI&:RF)"63L W:/YI&:RF)"63L
 WI75/YHW.DF61H WI75/YHW.DF61H YO\$:BI74YM YO\$:BI74YM B.A/S.UK.O81WT
 B.A/S.UK.O81WT WA/)DON/I63Y WA/)DON/I63Y YOW)F61B YOW)F61B XONI80YM
 W:/)AB:D"70Y? WA/):ANI62Y):ADON/I63Y)FBO94W) (AL-)EL-P.:N"70Y B."YT/I91Y
 HA/&FDEH03 LE/):EKO71L XONI80YM W:/LI/\$:T.O73WT? WA/):ANI62Y W:/LI/\$:K.A74B
)FBO94W) (IM-)EL-)I\$:T./I92Y B."YT/I91Y XAY./E33KF03 LE/):EKO71L W:/X"74Y
 W:/LI/\$:T.O73WT? NAP:\$E80KF W:/LI/\$:K.A74B)I75M-(IM-)E(:E&E73H)I\$:T./I92Y
)ET-XAY./E33KF03 HA/D.FBF71R W:/X"74Y HA/Z.E75H00? NAP:\$E80KF
)I75M-)E(:E&E73H)ET-HA/D.FBF71R HA/Z.E75H00? ¹² WA/Y.O63)MER D.FWI61D
)EL-)W.RIY.F81H \$"71B B.F/ZE91H G.AM-HA/Y.O73WM W:/MFXF74R):A\$AL.:X/E92K.F
 WA/Y."63\$EB?)W.RIY.F94H BI/YR75W.\$FLA91IM B.A/Y.O71WM HA/H73W.)
 W:/MI75/M.FX:FRF75T00 ¹³ WA/Y.IQ:RF)-L/O74W DFWI81D WA/Y.O94)KAL?
 L:/PFNF91Y/W WA/Y."73\$:T.: WA75/Y:\$AK.:R/"92HW. WA/Y."C"74) BF/(E81REB
 LI/\$:K.A70B B.:MI\$:K.FB/OW03 (IM-(AB:D"74Y):ADONF80Y/W? W:/)EL-B."YT/O73W
 LO71) YFRF75D00 ¹⁴ WA/Y:HI74Y BA/B.O80QER WA/Y.IK:T.O71B D.FWI91D S"73PER
)EL-YOW)F92B? WA/Y.I\$:LA73X B.:YA71D)W.RIY.F75H00 ¹⁵ WA/Y.IK:T.O71B

B.A/S."73PER L"/)MO92R HFB74W.)ET-)75W.RIY.F81H)EL-?MW.L03 P.:N"70Y HA/M.IL:XFMFH03 HA75/X:AZFQF80H W:/SAB:T.E71M M"/)AX:ARF73Y/W W:/NIK.F71H WF/M"75T00 ¹⁶ WA/Y:HI85Y B.I/\$:MO71WR YOW)F73B)EL-HF/(I92YR WA/Y.IT."N03)ET-)74W.RIY.F80H)EL-HA/M.FQOWM03):A\$E74R? YFDA80(K.I71Y)AN:\$"Y-XA73YIL \$F75M00 ¹⁷ WA/Y."63C:)61W.)AN:\$"70Y HF/(IYR03 WA/Y.IL.FX:AM74W.)ET-YOW)F80B WA/Y.IP.O71L? MIN-HF/(F73M M"/(AB:D"74Y DFWI92D WA/Y.F85MFT G.A73M)W.RIY.F71H HA/XIT.I75Y00 ¹⁸ WA/Y.IS:LA73X YOW)F92B WA/Y.AG."74D? L:/DFWI80D)ET-K.FL-D.IB:R"73Y HA/M.IL:XFMF75H00 ¹⁹ WA/Y:CA71W)ET-HA/M.AL:)F73K: L"/)MO92R? K.:KAL.OWT/:KF81)"91T K.FL-D.IB:R"71Y HA/M.IL:XFMF73H L:/DAB."71R)EL-HA/M.E75LEK:00 ²⁰ W:/HFYF81H)I75M-?T.A(:ALEH03 X:AMA74T HA/M.E80LEK: W:/)FMA74R L:/KF80 MAD.91W.(A NIG.A\$:T.E71M)EL-HF/(I73YR L:/HIL.FX"92M? H:A/LO74W) Y:DA:(T.E80M)"71T):A\$ER-YOR73W. M"/(A71L HA/XOWMF75H00 ²¹ MI75Y-HIK.F62H)ET-):ABIYME74LEK: B.EN-Y:RUB.E81\$ET H:A/LO75W)-)I\$.F83H HI\$:LI74YKFH (FLFY/W04 P.E63LAX RE61KEB M"/(A70L HA75/XOWMFH03? WA/Y.F74MFT B.:/T"B"80C LF71/M.FH NIG.A\$:T.E73M)EL-HA75/XOWMF92H W:/)F74MAR:T.F80 G.A81M (AB:D:/KF91)W.RIY.F71H? HA/XIT.I73Y M"75T00 ²² WA/Y."73LEK: HA/M.AL:)F92K: WA/Y.FBO)03 WA/Y.AG."74D L:/DFWI80D)"91T K.FL-):A\$E71R \$:LFX/O73W? YOW)F75B00 ²³ WA/Y.O70)MER HA/M.AL:)FK:03)EL-D.FWI80D K.I75Y-GFB:R70W. (FL"33Y/NW.03 HF75):ANF\$180YM WA/Y."C:)71W.?)"L"73Y/NW. HA/&.FDE92H WA/N.IH:YE71H (:AL"Y/HE73M (AD-P.E71TAX HA/\$.F75(AR00 ²⁴ **WA/Y.OR63W. **HA/M.OWRI70YM?)EL-(:ABFD/E33KF03 M"/(A74L HA/XOWMF80H WA/Y.FM73W.TW. M"/(AB:D"74Y HA/M.E92LEK: W:/GA81M (AB:D:/KF91)W.RIY.F71H? HA/XIT.I73Y M"75T00 ²⁵ WA/Y.O63)MER D.FWI61D)EL-HA/M.AL:)F81K: K.O75H-TO)MA70R)EL-YOW)FB03?)AL-Y"RA70(B.:("YNE33Y/KF03)ET-HA/D.FBF74R HA/Z.E80H K.I75Y-KF/ZO71H W:/KF/ZE73H T.O)KA74L HE/XF92REB HAX:AZ"63Q? MIL:XAM:T:/KF94)EL-HF/(I91YR W:/HFR:S/F73H. W:/XAZ.:Q/"75HW.00 ²⁶ WA/T.I\$:MA(03)"74\$ET)75W.RIY.F80H K.IY-?M"73T)W.RIY.F74H)IY\$/F92H. WA/T.IS:P.O73D (AL-B.A:(L/F75H.00 ²⁷ WA/Y.A:(ABO74R HF/)"81BEL WA/Y.I\$:LA63X D.FWI61D? WA/Y.A)AS:P/F70H.)EL-B."YT/OW03 WA/T.:HIY-L/O74W L:/)I\$.F80H WA/T."71LED L/O73W B."92N WA/Y."94RA(HA/D.FBF91R):A\$ER-?(F&F71H DFWI73D B.:("YN"71Y Y:HWF75H00 **12** ¹ WA/Y.IS:LA94X Y:HWF91H)ET-NFTF73N)EL-D.FWI92D WA/Y.FBO74))"LF81Y/W WA/Y.O70)MER L/OW03? \$:N"74Y):ANF\$181YM HFYW.03 B.:/(I74YR)EXF80T)EXF71D (F\$173YR W:/)EXF71D RF75)\$00? ² L:/(F\$181YR HFYF91H CO71)N W:/BFQF73R HAR:B."71H M:)O75D00? ³ W:/LF/RF74\$)"75YN-K.O81L K.IY04)IM-K.IB:&F63H)AXA70T Q:+AN.FH03):A\$E74R QFNF80H? WA/Y:XAY./E85HF WA/T.IG:D.A71L (IM./O91W W:/)IM-B.FNF73Y/W YAX:D.F92W MI/P.IT./O63W TO)KA61L W:/MI/K.OS/O70W TI\$:T.EH03? W:/B:/X"YQ/O74W TI\$:K.F80B WA/T.:HIY-L/O73W K.:/BA75T00? ⁴ WA/Y.F74BO) H"LEK:02 L:/)I74Y\$ HE95/(F\$1YR01 WA/Y.AX:MO81L LF/QA70XAT MI/C.O)N/OW03 W:/MI/B.:QFR/O80W? LA/(:A&O85WT LF/)"OR"73XA HA/B.F)-L/O92W WA/Y.IQ.A81X)ET-K.IB:&AT03 HF/)"I74Y\$ HF/RF80)\$? WA75/Y.A(:A&/E80HF LF/)"I73Y\$ HA/B.F71))"LF75Y/W00? ⁵ WA/Y.I75XAR-)A71P D.FWI91D B.F/)"I73Y\$ M:)O92D WA/Y.O33)MER03)EL-NFTF80N XAY-Y:HWF85H K.I74Y BEN-?MF80WET HF/)"I73Y\$ HF/(O&E71H ZO75)T00 ⁶ W:/)ET-HA/K.IB:&F73H Y:\$AL."74M)AR:B.A:(T.F92YIM ("81QEB?):A\$E70R (F&FH03)ET-HA/D.FBF74R HA/Z.E80H W:/)A73L):A\$E71R LO75)-XFMF75L00 ⁷ WA/Y.O94)MER NFTF91N?)EL-D.FWI73D)AT.F74H HF/)"I92Y\$ K.OH-)FMA63R Y:HWF61H):ELOH"74Y YI&:RF)"81L)FNOKI62Y M:\$AX:T.I70Y/KF75? L:/ME33LEK:03 (AL-YI&:RF)"80L W:/)FNOKI71Y HIC.AL:T.I73Y/KF MI/Y.A71D \$F)75W.L00 ⁸ WF/ET.:NF63H L:/KF61)ET-?B."74YT):ADONE81Y/KF W:/)ET-N:\$"70Y):ADONE33Y/KF03 B.:/X"YQ/E80KF WF/ET.:NF74H L:/KF80)ET-B."71YT YI&:RF)"73L? WI75/YHW.DF92H W:/)I63M-M:(F80+ W:/)OSI71PFH L:/KF73 K.F/H"71N.FH W:/KF/H"75N.FH00 ⁹ MAD.61W.(A B.FZ174YTF05)ET-?D.:BA74R Y:HWF81H LA/(:A&O74WT HF/RA(02 **B.:("YNAY01)"74T)W.RIY.F70H HA75/XIT.IY03 HIK.I74YTF BA/XE80REB? W:/)E63T-)\$:T./O80W LFQA71X:T.F L:/KF73 L:/)I\$.F92H W:/)OT/O74W HFRA80G:T.F B.:/XE73REB B.:N"71Y (AM.O75WN00 ¹⁰ W:/)AT.F81H? LO)-TFS71W.R XE91REB MI/B."YT/:KF73 (AD-(OWLF92M 10("QEB K.I74Y B:ZITF80/NIY WA/T.IQ.A81X)ET-)33\$ET03?)W.RIY.F74H HA/XIT.I80Y LI/H:YO71WT L:/KF73

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YO75WNFDF80B B.EN-\$IM:(F73H):AXI74Y DFWI92D W:/YO74WNFDF80B)I71Y\$
XFKF73M? M:)O75D00⁴ WA/Y.O74)MER L/O81W MAD.74W.(A 14)AT.FH K.F74KFH
D.A70L B.EN-HA/M.E33LEK:03 B.A/B.O74QER B.A/B.O80QER? H:A/LO73W) T.AG.I74YD
L/I92Y WA/Y.O70)MER L/OW03)AM:NO80WN)ET-T.FMF81R):AXO91WT)AB:\$FLO71M
)FX/I73Y):ANI71Y?)OH"75B00⁵ WA/Y.O70)MER L/OW03 Y:HO74WNFDF80B \$:KA71B
(AL-MI\$:K.FB:/KF73 W:/HIT:XF92L W:/BF94))FBI74Y/KF? LI/R:)OWT/E81KF
W:/)FMAR:T.F74)"LF83Y/W T.F74BO) NF)04 TFMF63R):AXOWT/I61Y W:/TAB:R/"74NIY
LE81XEM W:/F&:TF70H? L:/("YNAY03)ET-HA/B.IR:YF80H L:MA33(AN03):A\$E74R
)ER:)E80H W:/FKAL:T.I73Y MI/Y.FD/F75H.00⁶ WA/Y.I\$:K.A71B?)AM:NO73WN
WA/Y.IT:XF92L WA/Y.FBO63) HA/M.E61LEK: LI/R:)OT/O81W WA/Y.O63)MER
)AM:NO70WN)EL-HA/M.E33LEK:03 T.F75BOW)-?NF62) T.FMF74R):AXOT/I81Y
W:/T:LAB."70B L:/("YNAY03 \$:T."74Y L:BIBO80WT W:/)EB:RE73H MI/Y.FD/F75H.00
⁷ WA/Y.I\$:LA71X? D.FWI91D)EL-T.FMF73R HA/B.A74Y:T/FH L")MO92R L:KI74Y NF81)
10B."YT)AM:NO74WN)FXI80Y/K: WA/(:A&IY-L/O73W? HA/B.IR:YF75H00
⁸ WA/T."74LEK: T.FMF81R B."91YT)AM:NO71WN)FXI73Y/HF W:/H74W.) \$OK"92B
WA/T.IQ.A63X)ET-?HA/B.FC"70Q **WA/T.F33LF\$03 WA/T.:LAB."74B L:/("YNF80Y/W
WA/T.:BA\$."73L)ET-HA/L.:BIBO75WT00⁹ WA/T.IQ.A70X)ET-?HA/M.A&:R"TO3
WA/T.ICO74Q L:/PFNF80Y/W WA/Y:MF)"73N LE/):EKO92WL WA/Y.O74)MER
)AM:NO81WN HOWCI70Y)W. KFL-)IY\$03? M"75/(FL/A80Y WA/Y."C:)71W. KFL-)I73Y\$
M"/(FLF75Y/W00¹⁰ WA/Y.O63)MER)AM:NO61WN)EL-T.FMF81R HFB170Y)IY?
HA/B.IR:YFH03 HA/XEDE80R W:/)EB:RE73H MI/Y.FD/"92K: WA/T.IQ.A74X T.FMF81R
)ET-HA/L.:BIBOWT03):A\$E74R (F&F80TFH? WA/T.FB"91) L:/)AM:NO71WN)FXI73Y/HF
HE/XF75D:R/FH00¹¹ WA/T.AG."71\$)"LF73Y/W LE95):EKO92L
WA/Y.A75X:AZEQ-B./FH.03? WA/Y.O74)MER L/F80H. B.O91W)IY \$IK:BI71Y (IM./I73Y
):AXOWT/I75Y00¹² WA/T.O74)MER L/O81W)AL-)FX/IY03)AL-?T:.(AN/"80NIY K.I91Y
LO)-Y"95(F&E71H K"73N B.:YI&:RF)"92L)A75L-T.A(:A&"73H)ET-HA/N.:BFLF71H
HA/Z.O75)T00? ¹³ WA/):ANI81Y)F70NFH)OWLIYK:03)ET-XER:P.FT/I80Y W:/)AT.F81H
T.IH:YE91H K:)/AXA71D HA/N.:BFLI73YM B.:YI&:RF)"92L? W:/)AT.FH03
D.AB.ER-NF74))EL-HA/M.E80LEK: K.I91Y LO71) YIM:NF/"73NIY MI/M.E75K.F00
¹⁴ W:/LO71))FBF73H LI/\$:MO74(A? B.:QOWL/F92H. WA/Y.EX:EZA70Q MI/M./E33N.FH03
WA/Y:(AN./E80HF WA/Y.I\$:K.A73B)OT/F75H.00¹⁵ WA/Y.I&:NF)/E74HF)AM:NO81WN
&IN:)FH03? G.:DOWLF74H M:)O80D K.I74Y G:DOWLF81H HA/&.IN:)FH03):A\$E74R
&:N")/F80H. M"/)AH:ABF73H):A\$E74R):AH"B/F92H.? WA75/Y.O)MER-L/F71H.
)AM:NO73WN Q71W.MIY L"75KIY00¹⁶ WA/T.O74)MER L/O81W)AL-)OWDO62T
HF/RF(F70H? HA/G.:DOWLFH03 HA/Z.O80)T M"/)AXE91RET):A\$ER-(F&I71YTF
(IM./I73Y L:/SAL.:X/"92NIY W:/LO71))FBF73H LI/\$:MO71(A75? L/F75H.00
¹⁷ WA/Y.IQ:RF81))E75T-NA(:AR/OW03 M:\$F74R:T/O80W WA/Y.O85)MER \$IL:XW.-NF71)
)ET-ZO91)T M"/(FL/A73Y? HA/X92W.C/FH W:/N:(O71L HA/D.E73LET)AX:ARE75Y/HF00
¹⁸ W:/)FLE33Y/HF03 K.:TO74NET P.AS.I80YM K.IY04 K"63N T.IL:B.A94\$:NF?
B:NOWT-HA/M.E91LEK: HA/B.:TW.LO73T M:(IYLI92YM WA/Y.OC"63))OWT/F70H.
M:\$F75R:T/OW03 HA/X80W.C W:/NF(A71L? HA/D.E73LET)AX:ARE75Y/HF00
¹⁹ WA/T.IQ.A63X T.FMF71R)"33PER03 (AL-RO)\$F80H. W:/K:TO94NET HA/P.AS.I91YM?
):A\$E71R (FLE73Y/HF QFRF92(FH WA/T.F70&EM YFD/FH.03 (AL-RO)\$F80H.
WA/T."71LEK: HFLO73WK: W:/ZF(F75QFH00? ²⁰ WA/Y.O63)MER)"LE61Y/HF
)AB:\$FLO74WM)FXI81Y/HF HA):AMIYNO74WN)FXIY/K:02 HFYF74H (IM./FK:01
W:/)AT.F62H?):AXOWT/I70Y HAX:ARI33Y\$Y03)FXI74Y/K: H80W.))AL-T.F\$I71YTII
)ET-LIB."73K: LA/D.FBF74R HA/Z.E92H WA/T."70\$EB? T.FMFR03 W:/O74M"MF80H
B."73YT)AB:\$FLO71WM)FXI75Y/HF00²¹ W:/HA/M.E74LEK: D.FWI80D \$FMA85()"71T
K.FL-?HA/D.:BFRI73YM HF/)"92L.EH WA/Y.I71XAR L/O73W M:)O75D00
²² W:/LO75)-DIB.E94R)AB:\$FLO91WM (IM-)AM:NO73WN? L:/M"/RF74(W:/)AD-+O92WB
K.I75Y-&FN"70))AB:\$FLOWM03)ET-)AM:NO80WN (AL-D.:BAR03):A\$E74R (IN.F80H?
)"73T T.FMF71R):AXOT/O75W00²³ WA75/Y:HIY03 LI/\$:NFTA74YIM YFMI80YM
WA/Y.IH:Y70W. GO75Z:ZIYM03 L:/)AB:\$FLO80WM? B.:BA71(AL XFCO73WR):A\$E74R
(IM-)EP:RF92YIM WA/Y.IQ:RF71))AB:\$FLO73WM L:/KFL-B.:N"71Y HA/M.E75LEK:00?
²⁴ WA/Y.FBO70))AB:\$FLOWM03)EL-HA/M.E80LEK: WA/Y.O85)MER HIN."H-NF71)
GOZ:ZI73YM L:/)AB:D./E92KF Y"75LEK:-NF71)? HA/M.E91LEK: WA/(:ABFDF73Y/W
(IM-(AB:D./E75KF00²⁵ WA/Y.O63)MER HA/M.E61LEK:)EL-)AB:\$FLO81WM

B.:N/IY03?)AL-NF70) N"L"K:03 K.UL/F80NW. W:/LO71) NIK:B.A73D (FLE92Y/KF
 WA/Y.IP:RFC-B./O91W W:/LO75)-)F7B71H LF/LE73KET? WA75/Y:BFR:AK/"75HW.00
²⁶ WA/Y.O33)MER03)AB:\$FLO80WM WF/LO85) Y"75LEK:-NF71))IT./F73NW.
)AM:NO74WN)FX/I92Y WA/Y.O70)MER? L/OW03 HA/M.E80LEK: LF71/M.FH Y"L"73K:
 (IM./F75K:00 ²⁷ WA/Y.IP:RFC-B./O73W)AB:\$FLO92WM WA/Y.I\$:LA70X)IT./OW03
)ET-?)AM:NO80WN W:/)"73T K.FL-B.:N"71Y HA/M.E75LEK:00 ²⁸ WA/Y:CAW04
)AB:\$FLO63WM)ET-N:(FRF61Y/W? L")MO81R R:)74W. 14NF) K.:/+O63WB
 L"B-)AM:NO70WN B.A/Y.A33YIN03 W:/)FMAR:T.I74Y):AL"Y/KE80M HAK.94W.
)ET-)AM:NO91WN? WA/H:AMIT.E71M)OT/O73W)AL-T.IYRF92)W. H:A/LO81W) K.I70Y
)F75NOKIY03 CIW.I74YTIY)ET/:KE80M XIZ:Q73W. WI/H:Y71W.? LI/B:N"Y-XF75YIL00
²⁹ WA75/Y.A(:A&62W. NA(:AR"70Y)AB:\$FLOWM03 L:/)AM:NO80WN K.A/):A\$E71R
 CIW.F73H)AB:\$FLO92WM? WA/Y.FQU74MW.05 K.FL-B.:N"74Y HA/M.E81LEK:
 WA75/Y.IR:K.:B91W.)I71Y\$ (AL-P.IR:D./O73W WA/Y.FNU75SW.00 ³⁰ WA75/Y:HIY03
 H"74M.FH? BA/D.E80REK: W:/HA/\$.:MU(F74H BF80)FH)EL-D.FWI73D L")MO92R
 HIK.F70H)AB:\$FLOWM03)ET-K.FL-B.:N"74Y? HA/M.E80LEK: W:/LO75)-NOWTA71R
 M"/HE73M)EXF75D00 ³¹ WA/Y.F94QFM HA/M.E91LEK: WA/Y.IQ:RA71(
)ET-?B.:GFDF73Y/W WA/Y.I\$:K.A74B)F92R:C/FH W:/KFL-(ABFDF71Y/W NIC.FBI73YM
 Q:RU("71Y B:GFDI75YM00 ³² WA/Y.A83(AN YOWNFDF74B05 B.EN-\$IM:(F63H
):AXI75Y-DFWI61D WA/Y.O81)MER)AL-YO)MA70R):ADON/IY03)"74T?
 K.FL-HA/N.: (FRI70YM B.:N"75Y-HA/M.E33LEK:03 H"MI80YTW. K.I75Y-)AM:NO71WN
 L:/BAD./O73W M"92T K.I75Y-(AL-P.I70Y?))AB:\$FLOWM03 HFY:TF74H &W.MF80H
 MI/Y.OWM03 (AN.OT/O80W)"73T T.FMF71R):AXOT/O75W00 ³³ W:/ (AT.F83H
)AL-?YF&"M04):ADON/I63Y HA/M.E70LEK:)EL-LIB./OW03 D.BFB74R L")MO80R
 K.FL-B.:N"71Y HA/M.E73LEK: M"92TW. K.I75Y-?)IM-)AM:NO71WN L:/BAD./O73W
 M"75T00 ³⁴ WA/Y.IB:RA73X WA/Y.IB:RA73X)AB:\$FLO92WM)AB:\$FLO92WM
 WA/Y.I&.F62) WA/Y.I&.F62) HA/N.A70(AR HA/N.A70(AR HA/C.OPEH03? HA/C.OPEH03?
 **("YNF80Y/W)ET-WA/Y.A81R:) **("YNF80Y/W W:/HIN."63H WA/Y.A81R:)
 (AM-W:/HIN."63H RA61B (AM-HOL:KI71YM RA61B MI/D.E91REK: HOL:KI71YM
)AX:ARF73Y/W MI/D.E91REK: MI/C.A71D)AX:ARF73Y/W HF/HF75R00? MI/C.A71D
 HF/HF75R00? ³⁵ WA/Y.O70)MER YO75WNFD7B03)EL-HA/M.E80LEK: HIN."71H
 B:N"75Y-HA/M.E73LEK: B.F92)W. K.I/D:BA71R (AB:D./:KF73 K."71N? HFYF75H00
³⁶ WA/Y:HI74Y05 K.:KAL.OT/O74W L:/DAB."81R W:/HIN."70H B:N"75Y-HA/M.E33LEK:03
 B.F80)W. WA/Y.I&:)71W. QOWL/F73M? WA/Y.IB:K.92W. W:/GAM-HA/M.E33LEK:03
 W:/KFL-(ABFDF80Y/W B.FK85W. B.:KI73Y G.FDO71WL M:)O75D00
³⁷ W:/)AB:\$FLO74WM? W:/)AB:\$FLO74WM? B.FRA80X B.FRA80X WA/Y."91LEK:
 WA/Y."91LEK:)EL-)EL-T.AL:MA71Y T.AL:MA71Y ** (AM.IYH73W.D B.EN-ME74LEK:
 ** (AM.IYH73W.D G.:\$92W.R ME74LEK: WA/Y.IT:)AB."71L G.:\$92W.R
 (AL-WA/Y.IT:)AB."71L B.:N/O73W? (AL-K.FL-B.:N/O73W? HA/Y.FMI75YM00
 K.FL-HA/Y.FMI75YM00 ³⁸ W:/)AB:\$FLO71WM B.FRA73X WA/Y."74LEK: G.:\$92W.R
 WA/Y:HIY-\$F73M \$FLO71\$? \$FNI75YM00 ³⁹ WA/T.:KAL03 D.FWI74D HA/M.E80LEK:
 LF/C"73)T)EL-)AB:\$FLO92WM K.I75Y-NIXA71M (AL-?)AM:NO73WN K.I75Y-M"75T00
14 ¹ WA/Y."73DA(YOW)F74B B.EN-C:RUYF92H K.I75Y-L"71B HA/M.E73LEK:?
 (AL-)AB:\$FLO75WM00 ² WA/Y.I\$:LA70X YOW)FB03 T.:QO80W(FH WA/Y.IQ.A71X
 MI/\$.F73M)I\$.F74H X:AKFMF92H WA/Y.O74)MER? 14)"LEY/HF HI75T:)AB.:LIY-NF62)
 W:/LIB:\$IY-NF74) BIG:D"Y-)81BEL W:/)AL-T.FS33W.KIY03 \$E80MEN W:/HFYI85YT?
 K.:)I\$.F81H 10ZEH YFMI74YM RAB.I80YM MIT:)AB.E73LET (AL-M"75T00 ³ W:/BF)T03
)EL-HA/M.E80LEK: W:/DIB.A71R:T.:)"LF73Y/W K.A/D.BFB74R HA/Z.E92H
 WA/Y.F94&EM YOW)F91B)ET-HA/D.:BFRI73YM B.:PI75Y/HF00 ⁴ 14WA/T.O)MER?
 HF/)I\$.F70H HA/T.:QO(IYT03)EL-HA/M.E80LEK: WA/T.IP.O94L (AL-)AP.E91Y/HF
)A73R:C/FH WA/T.I\$:T.F92XW. WA/T.O73)MER? HOW\$I71(FH HA/M.E75LEK:00
⁵ WA/Y.O75)MER-L/F71H. HA/M.E73LEK: MAH-L/F92K: WA/T.O81)MER):ABF91L?
)I\$.F75H-)AL:MFNF71H)F73NIY WA/Y.F71MFT)IY\$/I75Y00 ⁶ W:/L:/\$IP:XF75T:KF03
 \$:N"74Y BFNI80YM WA/Y.IN.FC70W. \$:N"Y/HEM03? B.A/&.FDE80H W:/)"71YN
 MAC.I73YL B."75YN"Y/HE92M WA/Y.AK.O94W HF/)EXF91D)ET-HF/)EXF73D
 WA/Y.F71MET)OT/O75W00 ⁷ W:/HIN."H04? QF63MFH KF75L-HA/M.I\$:P.FXF61H
 (AL-\$IP:XFT/E81KF WA/Y.O75)M:RW.03 T.:NI74Y05)ET-MAK."74H)FXI81Y/W?
 W:/N:MIT/"33HW.03 B.:NE70PE\$)FXIY/W03):A\$E74R HFRF80G W:/NA\$:MI73YDFH

G.A74M)ET-HA/Y.OWR"92\$ W:/KIB.81W.?)ET-G.A75XAL:T./IY03):A\$E74R NI\$:)F80RFH
 L:/BIL:T.I94Y **&IYM-L:/)IY\$/I91Y \$"71M W:/\$.)"RI73YT (AL-P.:N"71Y?
 HF/):ADFMF75H00 ⁸ WA/Y.O94)MER HA/M.E91LEK:)EL-HF/)I\$.F73H L:KI74Y
 L:/B"YT/"92K: WA/):ANI73Y?):ACAW.E71H (FLF75Y/IK:00 ⁹ WA/T.O61)MER HF/)I\$.F70H
 HA/T.:QOW(IYT03)EL-HA/M.E80LEK: (FL/A62Y):ADON/I71Y? HA/M.E91LEK:
 HE/(FWO73N W:/AL-B."74YT)FB/I92Y W:/HA/M.E71LEK: W:/KIS:/)O73W NFQI75Y00
¹⁰ WA/Y.O73)MER? HA/M.E92LEK: HA75/M:DAB."70R)"LA33Y/IK:03
 WA75/H:AB")T/O74W)"L/A80Y W:/LO75)-YOSI71YP (O73WD LF/GA71(AT B./F75K:00?
¹¹ WA/T.O)MER04 YIZ:K.FR-NF63) HA/M.E61LEK:)ET-Y:HWF74H):ELOHE81Y/KF
 **M"/HAR:B.A62T G.O)"70L HA/D.FM03? L:/SAX"80T W:/LO71) YA\$:MI73YDW.
)ET-B.:N/I92Y WA/Y.O33)MER03 XAY-Y:HWF80H)IM-YIP.O91L MI/&A:(ARA71T?
 B.:N/"73K:)F75R:C/FH00 ¹² WA/T.O33)MER03 HF75/)I\$.F80H T.:DAB.ER-NF94)
 \$IP:XFT:/KF91)EL-):ADON/I71Y HA/M.E73LEK: D.FBF92R WA/Y.O73)MER
 D.AB."75RIY00 ¹³ WA/T.O33)MER03 HF75/)I\$.F80H W:/LF94/M.FH XF\$A91B:T.FH
 K.F/ZO73)T? (AL-(A74M):ELOHI92YM W./MI/D.AB."63R HA/M.E61LEK: HA/D.FBF70R
 HA/Z.EH03 K.:/F\$"80M L:/BIL:T.I91Y HF\$171YB? HA/M.E73LEK:)E75T-NID.:X/O75W00
¹⁴ K.IY-MO74WT NFM80W.T W:/KA/M.A33YIM03 HA/N.IG.FRI74YM)A80R:C/FH
):A\$E73R LO74)? Y")FS"92PW. W:/LO75)-YI&F70)):ELOHIYM03 NE80PE\$ W:/XF\$AB03
 MA75X:A\$FBO80WT L:/BIL:T.I91Y YID.A71X MI/M./E73N.W.? NID.F75X00
¹⁵ 14W:/AT.FH):A\$ER-B.F61)TIY L:/DAB."63R)EL-HA/M.E70LEK:):ADON/IY03
)ET-HA/D.FBF74R? HA/Z.E80H K.I71Y Y"75R:)U73/NIY HF/(F92M WA/T.O70)MER
 \$IP:XF75T:/KF03):ADAB.:RFH-N.F74))EL-HA/M.E80LEK:)W.LA91Y? YA:(A&E71H
 HA/M.E73LEK:)ET-D.:BA71R):AMFT/O75W00 ¹⁶ 10K.IY YIS:MA74(HA/M.E80LEK:
 L:/HAC.I71YL)ET-?):AMFT/O73W MI/K.A74P HF/)I92Y\$ L:/HAS:MI63YD)OT/I70Y
 W:/)ET-B.:N/IY03 YA80XAD MI75/N.AX:ALA73T):ELOHI75YM00? ¹⁷ WA/T.O33)MER03
 \$IP:XF74T:/KF80 YI75H:YEH-N.F91) D.:BAR-):ADON/I71Y HA/M.E73LEK:
 LI/M:NW.XF92H K.I74Y05 K.:MAL:):A74K: HF/):ELOHI81YM K."74N):ADON/I70Y
 HA/M.E33LEK:03 LI/\$:MO33(A03 HA/+O74WB W:/HF/RF80(WA75/YHWF71H
):ELOHE73Y/KF Y:HI71Y? (IM./F75K:00 ¹⁸ WA/Y.A74(AN HA/M.E81LEK:
 WA/Y.O33)MER03)EL-HF74/)I\$.F80H)AL-NF63) T:KAX:ADI70Y MI/M./E33N.IY03?
 D.FBF80R):A\$E71R)FNOKI73Y \$O)"74L)OT/F92K: WA/T.O33)MER03 HF75/)I\$.F80H
 Y:DAB.ER-NF73)):ADON/I71Y HA/M.E75LEK:00? ¹⁹ WA/Y.O74)MER HA/M.E80LEK:
 H:A/YA71D YOW)F91B)IT/F73K: B.:KFL-ZO92)T WA/T.A74(AN HF/)I\$.F74H
 WA/T.O83)MER X"75Y-?NAP:\$:/KF04):ADON/I63Y HA/M.E61LEK:)IM-)I74\$05
 L:/H"MI74YN W:/L:/HA&:MI81YL MI/K.O70L):A\$ER-D.IB.ER03?):ADON/I74Y
 HA/M.E80LEK: K.I75Y-(AB:D.:KF70 YOW)FB03 H74W.) CIW./F80NIY W:/H81W.) 10&FM
 B.:PI74Y \$IP:XF75T:/KF80)"71T? K.FL-HA/D.:BFRI73YM HF/)"75L.EH00
²⁰ L:/BA:(AB70W.R SAB."B03)ET-P.:N"74Y HA/D.FBF80R (F&F91H (AB:D.:KF71?
 YOW)F73B)ET-HA/D.FBF74R HA/Z.E92H WA/):DON/I74Y XFKF81M K.:XFK:MAT03
 MAL:):A74K: HF/):ELOHI80YM LF/DA73(AT?)E75T-K.FL-):A\$E71R B.F/)F75REC00
²¹ WA/Y.O70)MER HA/M.E33LEK:03)EL-YOW)F80B HIN."H-NF71)? (F&I73YTIY
)ET-HA/D.FBF74R HA/Z.E92H W:/L"91K: HF\$"71B)ET-HA/N.A73(AR
)ET-)AB:\$FLO75WM00? ²² WA/Y.IP.OL04 YOW)F63B)EL-P.FNF71Y/W)A91R:C/FH
 WA/Y.I\$.T.A73XW. WA/Y:BF74REK:)ET-HA/M.E92LEK: WA/Y.O74)MER? YOW)F83B
 HA/Y.OWM04 YFDA63((AB:D.:KF61 K.IY-MFCF63)TIY X"70N B.:("YNE33Y/KF03
):ADON/I74Y HA/M.E80LEK:):A\$ER-?(F&F71H HA/M.E73LEK:)ET-D.:BA71R
 *(AB:D./E75KF00 ²³ WA/Y.F71QFM YOW)F73B WA/Y."74LEK: G.:\$92W.R/FH
 WA/Y.FB"71)?)ET-)AB:\$FLO73WM Y:RW.\$FLF75IM00 ²⁴ WA/Y.O70)MER
 HA/M.E33LEK:03 YIS.O74B)EL-B."YT/O80W W:/PFNA73Y? LO74) YIR:)E92H
 WA/Y.IS.O70B)AB:\$FLOWM03)EL-B."YT/O80W W:/P:N"71Y HA/M.E73LEK: LO71)
 RF)F75H00 ²⁵ W:/K:):AB:\$FLO81WM LO)-HFYF94H)IY\$-YFPE91H B.:KFL-YI&:RF)"73L
 L:/HAL."74L M:)O92D MI/K.A70P? RAG:L/OW03 W:/A74D QFD:Q:FD/O80W
 LO)-HF71YFH B/O73W M75W.M00 ²⁶ W.95B:/GAL.:X/OW02)ET-RO)\$OW01
 14W:75/HFYFH? MI/Q."C03 YFMI70YM05 LA/Y.FMIYM03):A\$E74R Y:GAL."80XA
 K.I75Y-KFB"71D (FLF73Y/W W:/GIL.:X/O92W W:/FQAL03)ET-&:(A74R? RO)\$O80W
 MF)TA71YIM \$:QFLI73YM B.:/E71BEN HA/M.E75LEK:00 ²⁷ WA/Y.I75W.FL:D70W.
 L:/)AB:\$FLOWM03 \$:LOW\$F74H? BFNI80YM W:/BA71T)AXA73T W:/M/F74H.

T.FMF92R HI74Y) HFY:TF80H)I\$.F73H Y:PA71T MAR:)E75H00²⁸ WA/Y."94\$EB
)AB:\$FLO91WM B.I/YRW.\$FLA73IM \$:NFTA74YIM YFMI92YM W./P:N"71Y
 HA/M.E73LEK: LO71) RF)F75H00?²⁹ WA/Y.I\$:LA63X)AB:\$FLO61WM)EL-YOW)F81B
 LI/\$:LO70XA)OT/OW03)EL-HA/M.E80LEK: W:/LO71))FBF73H? LF/BO74W))"LF92Y/W
 WA/Y.I\$:LA71X (OWD03 \$"NI80YT W:/LO71))FBF73H LF/BO75W)00³⁰ WA/Y.O63)MER
)EL-(:ABFDF61Y/W? R:)W.04 XEL:QA63T YOW)F70B)EL-YFD/IY03 W:/L/OW-\$F74M
 &:(ORI80YM L:K73W. **W:/HAC.IYT74W./HF BF)"92\$? WA/Y.AC.I61TW. (AB:D"94Y
)AB:\$FLO91WM)ET-HA/XEL:QF73H B.F)"75\$00³¹ WA/Y.F74QFM YOW)F80B?
 WA/Y.FBO71))EL-)AB:\$FLO73WM HA/B.F92Y:T/FH WA/Y.O74)MER)"LF80Y/W
 LF74M.FH HIC.I94YTW. (:ABFD/E91KF)ET-?HA/XEL:QF71H):A\$ER-L/I73Y B.F)"75\$00
³² WA/Y.O74)MER)AB:\$FLO74WM)EL-YOW)F83B HIN."74H \$FLA74X:T.IY?
)"LE74Y/KF05 L"/)MO83R B.O74) 14H"N.FH W:/)E\$:L:XFH04)OT:/KF03
)EL-HA/M.E61LEK: L"/)MO81R LF70/M.FH B.F33)TIY03? MI/G.:80W.R +O71WB L/I73Y
 (O74D)ANII-\$F92M W:/)AT.F81H)ER:)EH03 P.:N"74Y HA/M.E80LEK:
 W:/)IM-YE\$-B./I71Y? (FWO73N WE/H.EMIT/F75NIY00³³ WA/Y.FBO63) YOW)F74B
)EL-HA/M.ELEK:02 WA/Y.AG.ED-L/OW01 WA/Y.IQ:RF70))EL-)AB:\$FLOWM03?
 WA/Y.FBO74))EL-HA/M.E80LEK: WA/Y.I\$:T.A63XW. L/O94W (AL-)AP.F91Y/W
)A73R:C/FH LI/P:N"74Y HA/M.E92LEK: WA/Y.I\$.A71Q? HA/M.E73LEK:
 L:/)AB:\$FLO75WM00¹⁵ 1 WA75/Y:HIY03 M"/)A74X:AR"Y K"80N WA/Y.A70(A& L/OW03
)AB:\$FLO80WM MER:K.FBF73H W:/SUSI92YM WA/X:AMI\$.I71YM?)I73Y\$ RFCI71YM
 L:/PFNF75Y/W00² W:/HI\$:K.IYM03)AB:\$FLO80WM W:/)FMA85D (AL-YA73D D.E74REK:
 HA:\$F92(AR? WA/Y:HI83Y K.FL-HF/I74Y\$):A\$E75R-YIH:YEH-L.OW-RIYB04
 LF/BO63W))EL-HA/M.E61LEK: LA/M.I\$:P.F81+? WA/Y.IQ:RF63))AB:\$FLO70WM
)"LFY/W03 WA/Y.O81)MER)"75Y-MI/Z.E71H (IYR03)A80T.FH WA/Y.O85)MER
 M"/)AXA71D? \$IB:+"75Y-YI&:RF)"73L (AB:D./E75KF00³ WA/Y.O70)MER)"LFY/W03
)AB:\$FLO80WM R:)71H D:BFR/E73KF +OWBI74YM? W:/N:KOXI92YM W:/SOM"71(A
)"YN-L:/KF73 M"/)71T HA/M.E75LEK:00⁴ WA/Y.O33)MER03)AB:\$FLO80WM
 MIY-Y:&IM/"71NIY? \$OP"73+ B.F)F92REC W:/)FL/A81Y YFBO71W) K.FL-)I91Y\$
):A\$E75R-YIH:YEH-L./OW-RI71YB W:/MI\$:P.F73+? W:/HIC:D.AQ:T.I75Y/W00
⁵ W:/HFYFH03 B.I/Q:RFB-)I80Y\$ L:/HI\$:T.AX:AWO73T L/O92W W:/SFLA94X
)ET-YFD/O91W? W:/HEX:EZI71YQ L/O73W W:/NF71\$AQ L/O75W00⁶ WA/Y.A63(A&
)AB:\$FLO61WM K.A/D.FBF70R HA/Z.EH03 L:/KFL-YI&:RF)"80L?):A\$ER-YFBO71)W.
 LA/M.I\$:P.F73+)EL-HA/M.E92LEK: WA/Y:GAN."B03)AB:\$FLO80WM)ET-L"73B
)AN:\$"71Y? YI&:RF)"75L00⁷ WA/Y:HI85Y MI/Q."73C)AR:B.F(I74YM \$FNF92H
 WA/Y.O70)MER)AB:\$FLOWM03)EL-?HA/M.E80LEK:)"74L:AKFH N.F81)
 WA):A\$AL."91M)ET-NID:R/I91Y):A\$ER-NFDA71R:T.IY LA75/YHWF73H
 B.:XEB:RO75WN00?⁸ K.IY-K.IY-N"33DER03 N"33DER03 NFDA74R NFDA74R
 (AB:D.:KF80 (AB:D.:KF80 B.:\$IB:T./I71Y B.:\$IB:T./I71Y BI/G:\$91W.R BI/G:\$91W.R
 B.A):ARF73M B.A):ARF73M L"/)MO92R L"/)MO92R **YF\$O63WB?)IM-Y:\$IYB/"70NIY
 **YF\$O63WB? Y:HWFH03 Y:\$IYB/"70NIY Y:R74W.\$FLA80IM Y:HWFH03
 W:/)FBAD:T.I73Y Y:R74W.\$FLA80IM)ET-W:/)FBAD:T.I73Y Y:HWF75H00
)ET-Y:HWF75H00⁹ WA/Y.O75)MER-L/O71W HA/M.E73LEK: L"74K:? B.:\$FLO92WM
 WA/Y.F73QFM WA/Y."71LEK: XEB:RO75WN/FH00¹⁰ WA/Y.I\$:LA70X)AB:\$FLOWM03
 M:RAG.:LI80YM? B.:KFL-\$IB:+"71Y YI&:RF)"73L L"/)MO92R K.:/\$FM:(/AKEM03
)ET-QO74WL HA/\$.OPF80R WA):AMAR:T.E85M? MFLA71K:)AB:\$FLO73WM
 B.:XEB:RO75WN00¹¹ W:/)ET-)AB:\$FLO81WM HFL:K62W. MF)TA70YIM)IY\$03?
 MI/YR74W.\$FLA80IM Q:RU)I73YM W:/HOL:KI74YM L:/TUM./F92M W:/LO71) YFD:(73W.
 K.FL-D.FBF75R00¹² WA/Y.I\$:LA74X? 14)AB:\$FLOWM)ET-):AXIYTO63PEL
 HA/G.I75YLONI61Y YOW("74C D.FWI81D M"75/(IYR/OW03 MI/G.ILO80H
 B.:ZFB:X/O73W)ET-?HA/Z.:BFXI92YM WA/Y:HI70Y HA/Q.E33\$ER03)AM.I80C
 W:/HF/(F91M HOWL"71K: WF/RF73B)ET-)AB:\$FLO75WM00¹³ WA/Y.FBO)03?
 HA/M.AG.I80YD)EL-D.FWI73D L"/)MO92R HFYF91H LEB-)I71Y\$ YI&:RF)"73L
)AX:AR"71Y)AB:\$FLO75WM00?¹⁴ WA/Y.O74)MER 14D.FWID L:/KFL-(:ABFDF63Y/W
):A\$ER-)IT./O70W BI/YRW.\$FLA33IM03 Q74W.MW. W:/NIB:RF80XFH? K.I91Y
 LO)-TI75H:YEH-L./F71NW. P:L"Y+F73H MI/P.:N"74Y)AB:\$FLO92WM MAH:AR74W.
 LF/LE81KET P.EN-Y:MAH"70R? W:/HI&.IG/F33NW.03 W:/HID.I70YXA (FL"33Y/NW.03
)ET-HF74/RF(F80H W:/HIK.F71H HF/(I73YR L:/PIY-XF75REB00¹⁵ WA/Y.O)M:R71W.?

(AB:D"75Y-HA/M.E73LEK:)EL-HA/M.E92LEK: K.:KO94L):A\$ER-YIB:XA91R
):ADON/I71Y HA/M.E73LEK: HIN."71H? (:ABFDE75Y/KF00 ¹⁶ WA/Y."C"71)
 HA/M.E91LEK: W:/KFL-B."YT/O73W B.:RAG:LF92Y/W WA/Y.A(:AZO74B HA/M.E81LEK:
)"74T (E94&ER? NF\$191YM P.I75LAG:\$173YM LI/\$:MO71R HA/B.F75YIT00 ¹⁷ WA/Y."C"71)
 HA/M.E91LEK: W:/KFL-HF/(F73M B.:RAG:LF92Y/W? WA/Y.A(AM:D73W. B."71YT
 HA/M.ER:XF75Q00 ¹⁸ W:/KFL-(:ABFDFY/W03 (OB:RI74YM (AL-YFD/O80W
 W:/KFL-HA/K.:R"TI73Y? W:/KFL-HA/P.:L"TI92Y W:/KF75L-HA/G.IT.I62YM
 "\$-\$-M")O74WT)I81Y\$):A\$ER-B.F70)W. B:/RAG:L/OW03 MI/G.A80T? (OB:RI73YM
 (AL-P.:N"71Y HA/M.E75LEK:00 ¹⁹ WA/Y.O70)MER HA/M.E33LEK:03)EL-)IT.A74Y
 HA/G.IT.I80Y LF94/M.FH T"L"91K:? G.AM-)AT.F73H)IT./F92NW. \$74W.B W:/\$"70B
 (IM-HA/M.E33LEK:03 K.I75Y-NFK:RI74Y)A80T.FH W:/GAM-G.OLE71H)AT.F73H?
 LI/M:QOWM/E75KF00 ²⁰ T.:MO74WL05 B.OW)/E81KF W:/HA/Y.O62WM
 **):ANI75Y(/:AKF70 (IM./F33NW.03 LF/LE80KET WA/):ANI74Y HOWL"80K:? (A71L
):A\$ER-):ANI73Y HOWL"92K: \$74W.B W:/HF"\$94B)ET-)AXE91Y/KF (IM./F73K: XE71SED
 WE/):EME75T00? ²¹ WA/Y.A94(AN)IT.A91Y)ET-HA/M.E73LEK: WA/Y.O)MA92R
 XAY-Y:HWF81H W:/X"Y03):ADON/I74Y HA/M.E80LEK: 14K.IY)IM-?B.I/M:QO62WM
):A\$E71R YI75H:YEH-\$F74M05):ADON/I74Y HA/M.E81LEK:)IM-L:/MF33WET03
)IM-L:/XAY.I80YM K.IY-\$F73M? YIH:YE71H (AB:D./E75KF00 ²² WA/Y.O94)MER
 D.FWI91D)EL-)IT.A73Y L"74K: WA/(:ABO92R WA75/Y.A(:ABO62R)IT.A70Y
 HA/G.IT.IY03? W:/KFL-):ANF\$F80Y/W W:/KFL-HA/+.A73P):A\$E71R)IT./O75W00
²³ W:/KFL-HF/)(F81REC B.OWKIYM03 QO74WL G.FDO80WL? W:/KFL-HF/(F73M
 (O75B:RI92YM W:/HA/M.E81LEK: (OB"R03 B.:NA74XAL QID:RO80WN
 W:/KFL-HF/(FM03 (OB:RI80YM? (AL-P.:N"Y-DE73REK:)ET-HA/M.ID:B.F75R00
²⁴ W:/HIN."63H GAM-CFDO61WQ W:/KF75L-HA/L:WIY.I74M)IT./O81W? NO75&:IYM03
)ET-):AROWN03 B.:RI74YT HF/):ELOHI80YM WA/Y.AC.I33QW.03)ET-):ARO74WN
 HF/):ELOHI80YM WA/Y.A73(AL?)EB:YFTF92R (AD-T.O71M K.FL-HF/(F73M
 LA/(:ABO71WR MIN-HF/(I75YR00 ²⁵ WA/Y.O70)MER HA/M.E33LEK:03? L:/CFDO80WQ
 HF"\$91B)ET-):ARO71WN HF/):ELOHI73YM HF/(I92YR)IM-)EM:CF71) X"N03
 B.:("YN"74Y Y:HWF80H? WE/H:E\$IB/A85NIY W:/HIR:/A71NIY)OT/O73W
 W:/)ET-NFW/"75HW.00 ²⁶ W:/)IM03 K.O74H YO)MA80R LO71) XFPA73C:T.IY B./F92K:?
 HIN:/NI85Y YA75(:A&EH-L./I85Y K.A/):A\$E71R +O73WB B.:("YNF75Y/W00
²⁷ WA/Y.O70)MER HA/M.E33LEK:03)EL-?CFDO74WQ HA/K.OH"80N H:A/ROW)E74H
)AT.F80H \$U71BFH HF/(I73YR B.:\$/FO92WM WA/):AXIYMA63(AC B.IN:/KF61
 WI/YHOWNFTF94N? B.EN-)EB:YFTF91R \$:N"71Y B:N"Y/KE73M)IT./:KE75M00 ²⁸ R:/W.03
)FNOKI74Y MIT:MAH:M"80H.A **B.:/(A75R:BO73WT? HA/M.ID:B.F92R (A74D B.O71W)
 DFBF91R M"/(IM./FKE73M L:/HAG.I71YD L/I75Y00 ²⁹ WA/Y.F63\$EB CFDO94WQ
 W:/)EB:YFTF91R?)ET-):ARO71WN HF/):ELOHI73YM Y:RW.\$FLF92IM WA/Y."\$:B73W.
 \$F75M00 ³⁰ W:/DFWI83D (OLEH04 B:/MA(:AL"63H? HA/Z."YTI61YM (OLE74H05
 W./BOWKE81H W:/RO71)\$ L/OW03 XFP80W.Y W:/H73W.) HOL"74K: YFX"92P
 W:/KFL-HF/(F74M?):A\$ER-)IT./O81W XFPW.03)I74Y\$ RO)\$O80W W:/FL71W. (FLO73H
 W./BFKO75H00 ³¹ W:/DFWID03 HIG.I74YD L"/)MO80R?):AXIYTO71PEL
 B.A/Q.O\$:RI73YM (IM-)AB:\$FLO92WM WA/Y.O74)MER D.FWI80D SAK.EL-NF91)
)ET-(:ACA71T?):AXIYTO73PEL Y:HWF75H00 ³² WA/Y:HI70Y DFWID03 B.F74)
 (AD-HF/RO80)\$):A\$E75R-YI\$:T.AX:AW71H \$F73M? L"/)LOHI92YM W:/HIN."70H
 LI/Q:RF)/T/OW03 XW.\$A74Y HF/AR:K.I80Y QFR33W.(A03 K.UT.FN:T.O80W
 WA/):ADTFM073H (AL-?RO)\$O75W00 ³³ WA/Y.O71)MER L/O73W D.FWI92D 10)IM
 (FBA74R:T.F)IT./I80Y W:/HFYI71TF (FL/A73Y L:/MA&.F75)00 ³⁴ W:/)IM-?HF/(I74YR
 T.F\$81W.B W:/)FMAR:T.F70 L:/)AB:\$FLOWM03 (AB:D./:KF03):ANI70Y HA/M.E33LEK:03
)E75H:YE80H (E74BED?)FBI70Y/KF WA75/):ANIY03 M"/)F80Z W:/)AT.F73H
 WA/):ANI74Y (AB:D./E92KF W:/H"PAR:T.F74H L/I80Y)"73T (:ACA71T
):AXIYTO75PEL00? ³⁵ WA/H:A/LO70W) (IM./:KF03 \$F80M CFDO71WQ W:/)EB:YFTF73R
 HA/K.OH:ANI92YM W:/HFYF81H K.FL-HA/D.FBFR03):A\$E70R? T.I\$:MA(03 MI/B."74YT
 HA/M.E80LEK: T.AG.I85YD L:/CFDO71WQ W:/L:/)EB:YFTF73R HA/K.OH:ANI75YM00
³⁶ HIN."H-\$F70M? (IM./FM03 \$:N"74Y B:N"Y/HE80M):AXIYMA74(AC L:/CFDO80WQ
 WI/YHOWNFTF73N L:/)EB:YFTF92R W:/\$:LAX:T.E70M B.:YFD/FM03?)"L/A80Y
 K.FL-D.FBF73R):A\$E71R T.I\$:MF75(W.00 ³⁷ WA/Y.FBO71) XW.\$A91Y R"(E71H DFWI73D
 HF/(I92YR? W:/)AB:\$FLO80M YFBO73) Y:RW.\$FLF75IM00 **16** ¹ W:/DFWI81D (FBA70R

M:(A+03 M"75/HF/RO80)\$ W:/HIN."71H CIYBF91)? NA71(AR M:PIY-BO73\$SET LI/Q:RF)T/O92W W:/CE63MED X:AMORI61YM X:ABUSI81YM WA/(:AL"Y/HEM04 MF)TA63YIM? LE61XEM W./M")F94H CIM.W.QI91YM W./M"71)FH QA73YIC W:/N"71BEL YF75YIN00 2 WA/Y.O94)MER HA/M.E91LEK:)EL-CIYBF73)? MFH-)"74L.EH L:/F92K: WA/Y.O74)MER 14CIYBF) HA/X:AMOWRI63YM L:/B"YT-HA/M.E61LEK: LI/R:K.O81B **W:/HA/L.E70XEM? W:/HA/Q.A33YIC03 LE/):EKO74WL HA/N.:(FRI80YM W:/HA/Y.A85YIN LI/\$:T.O71WT HA/Y.F("73P B.A/M.ID:B.F75R00 3 WA/Y.O74)MER? HA/M.E80LEK: W:/)AY."73H B.EN-):ADONE92Y/KF WA/Y.O63)MER CIYBF61))EL-HA/M.E81LEK: HIN."H03 YOW\$74B B.I/YRW.\$FLA80IM? K.I74Y)FMA80R HA/Y.O81WM YF\$170YBW. L/IY03 B."74YT YI&:RF)"80L)73T MAM:L:K71W.T)FB/I75Y00 4 WA/Y.O70)MER? HA/M.E33LEK:03 L:/CIBF80) HIN."74H L:/KF80 K.O73L):A\$E74R LI/M:PIY-BO92\$SET WA/Y.O70)MER CIYBF)03 HI75\$:T.AX:AW"80YTIY?)EM:CF)-X"71N B.:(YNE73Y/KF):ADON/I71Y HA/M.E75LEK:00 5 W./BF91) HA/M.E71LEK: D.FWI73D (AD-B.A75XW.RI92YM? W:/HIN."74H MI/\$.FM04)I63Y\$ YOWC"61) MI/M.I\$:P.A74XAT B."YT-\$F)81W.L W./\$:M/OW03 \$IM:(I74Y BEN-G."RF80)? YOC"71) YFCO73W) W./M:QAL."75L00 6 WA/Y:SAQ."70L B.F75/):ABFNIYM03)ET-D.FWI80D W:/)ET-K.FL-(AB:D"73Y HA/M.E74LEK:?) D.FWI92D W:/KFL-HF/(FM03 W:/KFL-HA/G.IB.ORI80YM MI/YMIYN/O73W W./MI/&.:MO)L/O75W00 7 W:/KO75H-):FMA71R \$IM:(I73Y? B.:/QA75L:L/O92W C"71) C"91))I71Y\$ HA/D.FMI73YM W:/)I71Y\$ HA/B.:LIY.F75(AL00 8 H"\$IYB04 (FLE63Y/KF Y:HWF61H? K.O74L05 D.:M"74Y B"YT-\$F)81W.L):A\$E70R MFLA33K:T.F03 **T.AX:T.F80Y/W WA/Y.IT."70N Y:HWFH03)ET-HA/M.:LW.KF80H? B.:/YA73D)AB:\$FLO74WM B.:N/E92KF W:/HIN.:/KF03 B.:/RF74(FTE80KF K.I91Y)I71Y\$ D.FMI73YM)F75T.FH00 9 WA/Y.O63)MER?):ABIY\$A70Y B.EN-C:RW.YFH03)EL-HA/M.E80LEK: LF74/M.FH Y:QAL."62L HA/K.E70LEB HA/M."T03 HA/Z.E80H)ET-):ADON/I73Y HA/M.E92LEK:)E(:B.:RFH-N.F73) W:/)FSI71YRFH)ET-RO)\$O75W00 10 WA/Y.O74)MER HA/M.E80LEK:?) MAH-L./I71Y W:/L/FKE73M B.:N"74Y C:RUYP92H **K.O74H Y:QAL."81L **K.I70Y Y:HWFH03)F70MAR L/OW03 QAL."74L)ET-D.FWI80D W./MI74Y YO)MA80R MAD.73W.(A (F&I71YTFH K."75N00 11 WA/Y.O63)MER D.FWI70D)EL-):ABIY\$AY03 W:/)EL-?K.FL-(:ABFDF80Y/W HIN."71H B:N/I91Y):A\$ER-YFCF71) MI/M.("A73Y M:BAQ."74\$)ET-NAP:\$I92Y W:/)A63P K.I75Y-(AT.F61H? B.EN-HA/Y:MIYNI81Y HAN.I70XW. L/OW03 WI75/YQAL."80L K.I71Y)F75MAR-L/O73W Y:HWF75H00 12)W.LA91Y YIR:)E71H Y:HWF73H? **B.:/("YN/I92Y W:/H"\$I63YB Y:HWF71H L/IY03 +OWBF80H T.A71XAT QIL:LFT/O73W HA/Y.O71WM HA/Z.E75H00 13 WA/Y."94LEK:?) D.FWI91D WA/):ANF\$F73Y/W B.A/D.F92REK: W:/\$IM:(I83Y HOL"K:04 B.:C"63LA(HF/HF61R L:/UM.FT/O81W HFLOWK:03? WA/Y:QAL."80L WA/Y:SAQ."70L B.F75/):ABFNIYM03 L:/UM.FT/O80W W:/IP.A73R B.E/(FPF75R00 14 WA/Y.FBO71)? HA/M.E91LEK: W:/KFL-HF/(F71M):A\$ER-IT/O73W (:AY"PI92YM WA/Y.IN.FP"73\$ \$F75M00 15 W:/)AB:\$FLO81WM W:/KFL-?HF/(FM03)I74Y\$ YI&:RF)"80L B.F73)W. Y:RW.\$FLF92IM WA/):AXIYTO73PEL)IT/O75W00 16 WA/Y:HI81Y K.A75/):A\$ER-B.F62)? XW.\$A94Y HF/):AR:K.I91Y R"(E71H DFWI73D)EL-):AB:\$FLO92WM WA/Y.O70)MER XW.\$AY03)EL-):AB:\$FLO80M Y:XI71Y? HA/M.E73LEK: Y:XI71Y HA/M.E75LEK:00 17 WA/Y.O70)MER)AB:\$FLOWM03)EL-XW.\$A80Y ZE71H XAS:D.:/KF73)ET-?R"(E92KF LF71/M.FH LO75)-HFLA73K:T.F)ET-R"(E75KF00 18 WA/Y.O74)MER XW.\$AY02)EL-):AB:\$FLOM01 LO85)? K.IY04):A\$E63R B.FXA94R Y:HWF91H W:/HF/(F71M HA/Z.E73H W:/KFL-)I74Y\$ YI&:RF)"92L **L/O71W)EH:YE73H W:/)IT/O71W?)"75B00 19 W:/HA/\$."NI81YT L:/MIY03):ANI74Y)E75:(EBO80D H:A/LO73W) LI/P:N"74Y B:N/O92W K.A):A\$E70R (FBA33D:T.IY03? LI/P:N"74Y)FBI80Y/KF K."73N)EH:YE71H LI/PFNE75Y/KF00 20 WA/Y.O71)MER)AB:\$FLO73WM)EL-?):AXIYTO92PEL HFB71W. L/FKE91M ("CF73H MA75H-N.A:(A&E75H00 21 WA/Y.O70)MER):AXIYTO33PEL03)EL-?)AB:\$FLO80M 10B.OW))EL-P.ILAG:\$"74Y)FBI80Y/KF):A\$E71R HIN.I73YXA LI/\$:MO74WR HA/B.F92YIT W:/\$FMA70(K.FL-?YI&:RF)"L03 K.I75Y-NIB:)A74\$:T.F)ET-):FBI80Y/KF W:/XF74Z:Q80W. Y:D"73Y K.FL-):A\$E71R)IT./F75K:00 22 WA/Y.A+.94W.? L:/)AB:\$FLO91WM HF/)O73HEL (AL-HA/G.F92G WA/Y.FBO70))AB:\$FLOWM03)EL-P.I75LAG:\$"74Y)FBI80Y/W L:/("YN"73Y? K.FL-YI&:RF)"75L00 23 WA/(:ACA74T WA/(:ACA74T):AXIYTO81PEL):AXIYTO81PEL):A\$E70R):A\$E70R YF(AC03 YF(AC03 B.A/Y.FMI74YM B.A/Y.FMI74YM HF/H"80M HF/H"80M K.A):A\$E71R? K.A):A\$E71R?

**)I73Y\$ YI\$:)AL-B.I/D:BA74R **)I73Y\$ HF/):ELOHI92YM B.I/D:BA74R 10K."N HF/):ELOHI92YM K.FL-10K."N (:ACA74T K.FL-):AXIYTO80PEL (:ACA74T G.AM-):AXIYTO80PEL L:/DFWI73D G.AM-G.A71M? L:/DFWI73D L:/)AB:\$FLO75M00 G.A71M? L:/)AB:\$FLO75M00 17 1 WA/Y.O71)MER):AXIYTO73PEL)EL-)AB:\$FLO92M)EB:X:ARF74H N.F81)? \$.N"YM-(F&F71R)E33LEP03)I80Y\$ W:/)FQ91W.MFH W:/)ER:D.:PF71H)AX:AR"Y-DFWI73D HA/L.F75Y:LFH00? 2 W:/)FBO74W) (FLF81Y/W W:/H70W.) YFG"33(A03 W./R:P"74H YFDA80YIM W:/HA75X:ARAD:T.I74Y)OT/O80W W:/NF73S K.FL-HF/(F74M?):A\$ER-)IT./O92W W:/HIK."YTI71Y)ET-HA/M.E73LEK: L:/BAD./O75W00 3 W:/)F\$I71YBFH KFL-HF/(F73M)"LE92Y/KF? K.:/\$74W.B HA/K.O80L HF/))Y\$03):A\$E74R)AT.F74H M:BAQ."80\$ K.FL-HF/(F73M YIH:YE71H \$FLO75WM00? 4 WA/Y.IY\$A71R HA/D.FBF73R B.:("YN"74Y)AB:\$FLO92M W./B:("YN"73Y K.FL-ZIQ:N"71Y YI&:RF)"75L00 5 WA/Y.O33)MER03)AB:\$FLO80WM Q:RF74) NF80) G.A73M L:/XW.\$A74Y HF/)AR:K.I92Y W:/NI\$:M:(F71H MAH-B.:PI73Y/W? G.AM-H75W.)00 6 WA/Y.FBO74) XW.\$AY02)EL-)AB:\$FLOWM01 WA/Y.O)MER04)AB:\$FLO63WM)"LF61Y/W L"/)MO81R? K.A/D.FBF70R HA/Z.EH03 D.IB.E74R):AXIYTO80PEL H:A/NA(:A&E73H)ET-D.:BFR/O92W)IM-)A73YIN)AT.F71H DAB."75R00? 7 WA/Y.O71)MER XW.\$A73Y)EL-)AB:\$FLO92WM LO75)-+OWBF94H HF/("CF91H):A\$ER-YF(A71C?):AXIYTO73PEL B.A/P.A71(AM HA/Z.O75)T00 8 WA/Y.O74)MER XW.\$A81Y)AT.F74H 14YFDA(:T.F)ET-)FBI63Y/KF W:/)ET-?):ANF\$F61Y/W K.I94Y GIB.ORI74YM H"81M.FH W:/MFR"71Y NE33PE\$03 H"80M.FH K.:/DO71B \$AK.73W.L B.A/&.FDE92H W:/)FBI33Y/KF03?)I74Y\$ MIL:XFMF80H W:/LO71) YFLI73YN)ET-HF/(F75M00 9 HIN."63H (AT.F70H H75W.)-NEX:B.F)03 B.:/)AXA74T? HA/P.:XFTI80YM)O73W B.:/)AXA74D HA/M.:QOWMO92T W:/HFYF81H K.I/N:PO70L B./FHEM03 B.A/T.:XIL.F80H W:/\$FMA70(? HA/\$.OM"33(A03 W:/)FMA80R HF75Y:TFH03 MAG."PF80H B.F/(F85M):A\$E73R)AX:AR"71Y)AB:\$FLO75M00 10 W:/H74W.) GAM-?B.EN-XA81YIL):A\$E71R LIB./O91W K.:/L"71B HF/)AR:Y"73H HIM."74S YIM.F92S K.I75Y-YOD"70(A K.FL-YI&:RF)"L03 K.IY-?GIB.O74WR)FBI80Y/KF W./B:N"Y-XA73YIL):A\$E71R)IT./O75W00 11 K.I74Y YF(A81C:T.IY 14H)"FSOP Y)"FS"63P (FLE70Y/KF? KFL-YI&:RF)"L03 MI/D.FN03 W:/)AD-B.:)"74R \$E80BA(K.A/XO71WL):A\$ER-(AL-HA/Y.F73M LF/RO92B W:/PFNE71Y/KF? HOL:KI73YM B.A/Q:RF75B00 12 W:/BF74)NW.)"LF81Y/W **)B.:/)AXA70D HA/M.:QOWMOT03):A\$E74R NIM:CF74) \$F80M? W:/NA74X:NW. (FLF80Y/W K.A):A\$E91R YIP.O71L HA/+.A73L (AL-HF/):ADFMF92H W:/LO75)-NO71WTAR B./O91W W./B:/KFL-?HF/):ANF\$I71YM):A\$ER-)IT./O73W G.AM-)JEXF75D00 13 W:/)IM-)EL-(IYR03 Y"75)FS"80P W:/HI&.I94Y)W. KF75L-?YI&:RF)"91L)EL-HF/(I71YR HA/HI73Y) X:ABFLI92YM W:/SFXA70B:NW.)OT/OW03 (AD-HA/N.A80XAL (A91D):A\$E75R-?LO)-NIM:CF71) \$F73M G.AM-C:RO75WR00 14 WA/Y.O70)MER)AB:\$FLOWM03 W:/KFL-)I74Y\$? YI&:RF)"80L +OWBF81H (:ACAT03 XW.\$A74Y HF/)AR:K.I80Y M"/(:ACA73T):AXIYTO92PEL WA/YHWF74H CIW.F81H L:/HFP"62R?)ET-(ACA70T):AXIYTO33PEL03 HA/+.OWBF80H L:/BA(:AB81W.R HFB194Y) Y:HWF91H)EL-)AB:\$FLO73WM)ET-?HF/RF(F75H00 15 WA/Y.O74)MER XW.\$A81Y)EL-CFDO70WQ W:/)EL-)EB:YFTFR03 HA/K.O74H:ANI80YM? K.F/ZO74)T W:/KF/ZO81)T YF(A70C):AXIYTO33PEL03)ET-)AB:\$FLO80M W:/)"73T ZIQ:N"74Y YI&:RF)"92L W:/KF/ZO71)T? W:/KF/ZO73)T YF(A71C:T.IY)F75NIY00 16 W:/)AT.F83H \$IL:X74W. M:H"RFH04 W:/HAG.I63YDW. L:/DFWI61D L"/)MO81R)AL-?T.F70LEN HA/L.A33Y:LFH03 B.:/(A75R:BO74WT HA/M.ID:B.F80R W:/GA73M (FBO74WR T.A:(ABO92WR 10P.EN Y:BUL.A74(LA/M.E80LEK:? W./L:/KFL-HF/(F73M):A\$E71R)IT./O75W00 17 WI/YHOWNFTF63N WA):AXIYMA61(AC (OM:DI74YM B.:("YN-ROG"81L? W:/HFL:KF70H HA/\$.IP:XFH03 W:/HIG.I74YDFH L/FHE80M W:/H"MO3 Y"75L:K80W. W:/HIG.I73YDW. LA/M.E74LEK: D.FW192D K.I74Y LO71)? YW.K:L91W. L:/H"RF)O73WT LF/BO71W) HF/(I75YR/FH00 18 WA/Y.A70R:))OT/FM03 NA80(AR WA/Y.AG."73D L:/)AB:\$FLO92M? WA/Y."L:KW.04 \$:N"Y/HE63M M:H"RF61H WA/Y.FBO74)W.05)EL-B."75YT-)I74Y\$ B.:/BAXW.RI81YM W:/L/O71W B:)"91R? B.A/X:AC"R/O73W WA/Y."71R:DW. \$F75M00 19 WA/T.IQ.A74X HF/)\$F81H WA/T.IP:RO70&)ET-HA/M.FSFK:03 (AL-P.:N"74Y? HA/B.:)"80R WA/T.I\$:+A71X (FLF73Y/W HF75/RIPO92WT W:/LO71) NOWDA73(D.FBF75R00 20 WA/Y.FBO74)W. (AB:D"Y04?)AB:\$FLO63WM)E75L-HF/)\$F61H HA/B.A81Y:T/FH

WA/Y.O75)M:RW.03)AY."81H)):AXIYMA33(AC03 WI/YHO74WNFTF80N
 WA/T.O70)MER? L/FHEM03 HF75/)I\$.F80H (FB:R73W. MIYKA74L HA/M.F92YIM
 WA/Y:BAQ:\$W.03 W:/LO74) MFCF80)W. WA/Y.F\$U73BW. Y:RW.\$FLF75IM00?
²¹ WA/Y:HI74Y05)AX:AR"74Y LEK:T./F81M WA95/Y.A(:ALW.03 M"75/HA/B.:)"80R
 WA/Y."74L:K80W. WA/Y.AG.I73DW. LA/M.E74LEK: D.FWI92D? WA/Y.O)M:R74W.
)EL-D.FWI81D Q74W.MW. W:/(IB:R70W. M:H"RFH03)ET-HA/M.A80YIM K.IY-KF91/KFH
 YF(A71C (:AL"Y/KE73M?):AXIYTO75PEL00 ²² WA/Y.F74QFM D.FWI81D
 W:/KFL-HF/(FM03):A\$E74R)IT./O80W WA/Y.A(AB:R73W.)ET-HA/Y.AR:D."92N?
 (AD-)O74WR HA/B.O81QER (AD-)AXAD03 LO74) NE(:D.F80R):A\$E71R LO)-(FBA73R
)ET-HA/Y.AR:D."75N00? ²³ WA/):AXIYTO74PEL RF)F81H K.I74Y LO74) NE(E&:TFH02
 (:ACFT/OW01 WA/Y.AX:ABO74\$)E75T-HA/X:AMO81WR WA/Y.F61QFM? WA/Y."70LEK:
)EL-B."YT/OW03)EL-(IYR/O80W WA/Y:CA71W)EL-B."YT/O73W WA/Y."XFNA92Q
 WA/Y.F85MFT WA/Y.IQ.FB"73R B.:/QE71BER?)FBI75Y/W00 ²⁴ W:/DFWI73D B.F74)
 MAX:ANF92Y:M/FH W:/)AB:\$FLO81M (FBAR03)ET-HA/Y.AR:D."80N H85W.)?
 W:/KFL-)I71Y\$ YI&:RF)"73L (IM./O75W00 ²⁵ W:/)ET-(AMF&F81) &F94M)AB:\$FLO91M
 T.A71XAT YOW)F73B? (AL-HA/C.FBF92) WA/(:AMF&F74) BEN-)I81Y\$ W./\$:M/OW03
 YIT:RF74) HA/Y.I&:R:)"LI80Y):A\$ER-B.F)03)EL-?):ABIYGA74L B.AT-NFXF80\$
):AXO71WT C:RW.YF73H)"71M YOW)F75B00 ²⁶ WA/Y.I70XAN YI&:RF)"L03
 W:/)AB:\$FLO80M?)E73REC HA/G.IL:(F75D00 ²⁷ WA/Y:HI85Y K.:/BO71W) DFWI73D
 MAX:ANF92Y:M/FH W:/SOBI63Y BEN-NFXF61\$? M"/RAB.A74T B.:N"75Y-(AM.O81WN
 W/MFKI70YR B.EN-(AM.IY)"L03 MI/L.O74) D:BF80R W:/BAR:ZIL.A71Y
 HA/G.IL:(FDI73Y? M"/ROG:LI75YM00 ²⁸ MI\$K.F70B W:/SAP.OWT03 W./K:LI74Y
 YOWC"80R W:/XI+.I71YM W./&:(ORI73YM W:/QE74MAX W:/QFLI92Y? W:/PO71WL
 WA/(:ADF\$I73YM W:/QFLI75Y00 ²⁹ W:/D:BA74\$ W:/XEM:)F81H W:/CO)N03 W./\$:PO74WT
 B.FQF80R HIG.I94Y\$W.? L:/DFWI91D W:/LF/(F71M):A\$ER-)IT./O73W LE/):EKO92WL
 K.I74Y)FM:R80W. HF/(F81M RF("91B W:/FY"71P W:/CFM"73)? B.A/M.ID:B.F75R00
18 ¹ WA/Y.IP:QO74D D.FWI80D)ET-HF/(F73M):A\$E74R)IT./O92W WA/Y.F74&EM
 (:AL"Y/HE80M &FR"71Y?):ALFPI73YM W:/&FR"71Y M")O75WT00 ² WA/Y:\$AL.A63X
 D.FWI61D)ET-HF/(F81M HA/\$.:LI\$I70YT B.:/YAD-YOW)FB03? ¹⁴W:/HA/\$.:LI\$IYT
 B.:/YA63D):ABIY\$A70Y B.EN-C:RW.YFH03):AXI74Y YOW)F80B W:/HA63/\$.:LI\$I80T
 B.:/YA73D)IT.A74Y? HA/G.IT.I92Y WA/Y.O70)MER HA/M.E33LEK:03)EL-HF/(F80M
 YFCO71))"C"91) G.AM-):ANI73Y (IM./FKE75M00? ³ WA/Y.O63)MER HF/(F61M LO74)
 T"C"81) K.IY04)IM-NO63S NFN61W.S LO)-YF&I94YMW.)"L"74Y/NW. L"81B
 W:/)IM-?YFUMU70TW. XEC:Y/"33NW.03 LO75)-YF&I70YMW.)"L"33Y/NW.03 L"80B
 K.I75Y-(AT.F71H KFMO73/NW. (:A&FRF74H):ALFPI92YM? W:/AT.F74H +O80WB
 K.IY-TI75H:YEH-L./F71NW. M"/(I73YR **LA/(:ZO75WR00 ⁴ WA/Y.O70)MER
):AL"Y/HEM03? HA/M.E80LEK:):A\$ER-YIY+A71B B.:/"YN"Y/KE73M)E(:E&E92H
 WA/Y.A(:AMO70D HA/M.E33LEK:03)EL-YA74D HA/\$.A80(AR? W:/KFL-HF/(FM03
 YF75C:)80W. L:/M")O73WT W:/LA/):ALFPI75YM00 ⁵ WA/Y:CA74W HA/M.E83LEK:
)ET-14YOW)FB W:/)ET-?):ABIY\$A70Y W:/)ET-)IT.AY03 L")MO80R L:/)A+-L/I73Y
 LA/N.A74(AR L:/)AB:\$FLO92WM W:/KFL-HF/(F74M \$FM:(81W.? B.:CAW.O71T
 HA/M.E91LEK:)ET-K.FL-HA/&FRI73YM (AL-D.:BA71R)AB:\$FLO75WM00 ⁶ WA/Y."C"71)
 HF/(F91M? HA/&FDE73H LI/Q:RA74)T YI&:RF)"92L WA/T.:HI71Y HA/M.IL:XFMF73H
 B.:/YA71(AR)EP:RF75YIM00 ⁷ WA/Y.IN.F70G:PW.? \$FM03 (A74M YI&:RF)"80L
 LI/P:N"73Y (AB:D"74Y DFWI92D WA/T.:HIY-\$F62M HA/M.AG."PF94H G:DWLF91H
 B.A/Y.O71WM? HA/H73W.) (E&:RI71YM)F75LEP00 ⁸ WA/T.:HIY-\$F94M
 HA/M.IL:XFMF91H **NFPO73CET]3 (AL-P.:N"74Y KFL-?HF)/F92REC WA/Y.E70REB
 HA/Y.A33(AR03 LE/):EKO74L B.F/(F80M M"/):A\$E71R)FK:LF91H HA/XE73REB
 B.A/Y.O71WM HA/H75W.)00? ⁹ WA/Y.IQ.FR")03)AB:\$FLO80WM LI/P:N"73Y (AB:D"74Y
 DFWI92D W:/)AB:\$FLO62WM ROK"74B (AL-HA/P.E81RED WA/Y.FBO74)? HA/P.E83RED
 T.A74XAT &OWBEK:04 HF/)"LF63H HA/G.:DOWLF61H WA/Y.EX:EZA94Q RO)\$O74W
 BF/)"LF81H WA/Y.UT.AN03 B."70YN? HA/\$.FMA33YIM03 W./B"74YN HF/F80REC
 W:/HA/P.E71RED):A\$ER-T.AX:T.F73Y/W (FBF75R00 ¹⁰ WA/Y.AR:)03)I74Y\$)EXF80D?
 WA/Y.AG."73D L:/YOW)F92B WA/Y.O81)MER HIN."H03 RF)I74YTIY)ET-)AB:\$FLO80M
 T.FL73W.Y B.F/)"LF75H00 ¹¹ WA/Y.O74)MER? YOW)F81B LF/)"IY\$03 HA/M.AG.I74YD
 L/O80W W:/HIN."74H RF)I80YTF W:/MAD.91W.(A LO75)-HIK.IYT/O71W \$F73M
)F92R:C/FH? W:/FL/A81Y LF70/TET L:/KF03 (:A&F74RFH KE80SEP WA/X:AGORF73H

)EXF75T00¹² WA/Y.O70)MER HF/)IY\$03)EL-YOW)F80B? **W:/L63W.)J3)FNOKI61Y
 \$OQ"70L (AL-K.AP.AY03)E74LEP K.E80SEP LO75)-)E\$:LA71X YFD/I73Y
)EL-B.EN-?HA/M.E92LEK: K.I74Y B:/)FZ:N"61Y/NW. CIW.F74H HA/M.E81LEK: 14)OT:/KF
 W:/)ET-):ABIY\$A70Y W:/)ET-)IT.AY03 L"/)MO80R? \$IM:RW.-MI85Y B.A/N.A73(AR
 B:/)AB:\$FLO75WM00¹³)O75W-(F&I70YTIY **B:/NAP:\$/IY03 \$E80QER
 W:/KFL-?D.FBF73R LO)-YIK.FX"74D MIN-HA/M.E92LEK: W:/)AT.F73H T.IT:YAC."71B
 MI/N.E75GED00¹⁴ WA/Y.O74)MER YOW)F80B? LO)-K"73N)OXI74YLFH L:/PFNE92Y/KF
 WA/Y.IQ.AX04 \$:LO\$F63H \$:BF+I61YM B:/KAP./O81W WA/Y.IT:QF(/"M03 B:/L"74B?
)AB:\$FLO80WM (OWD/E71N.W. XA73Y B:/L"71B HF/)"LF75H00¹⁵ WA/Y.FSO33B.W.03
 (:A&FRF74H N:(FRI80YM NO&:)"73Y K.:L"74Y? YOW)F92B WA/Y.AK.71W.
)ET-)AB:\$FLO73WM WA/Y:MIYTU75/HW.00¹⁶ WA/Y.IT:QA70(YOW)FB03 B.A/\$.OPF80R
 WA/Y.F74\$FB HF/(F80M? MI/R:DO73P)AX:AR"74Y YI&:RF)"92L K.I75Y-XF&A71K:
 YOW)F73B)ET-HF/(F75M00¹⁷ WA/Y.IQ:X74W.)ET-?)AB:\$FLO81WM WA/Y.A\$:LI63YKW.
)OT/O70W BA/Y.A33(AR03)EL-HA/P.A74XAT HA/G.FDO80WL WA/Y.AC.I94BW.
 (FLF91Y/W G.AL-?):ABFNI73YM G.FDO74WL M:)O92D W:/KFL-YI&:RF)"80L NF73SW.
)I71Y\$ **L:/)OHFLF75Y/W00¹⁸ W:/)AB:\$FLO74M LFQA81X WA/Y.AC.EB-L/O70W
 **B:/XAY.FY/W03)Q)ET-MAC.E33BET03):ASE74R B:/("75MEQ-HA/M.E80LEK: K.I70Y?
)FMAR03)"75YN-L/I74Y B"80N B.A(:AB73W.R HAZ:K.I74YR \$:M/I92Y WA/Y.IQ:RF70)
 LA/M.AC.E33BET03 (AL-\$:M/O80W WA/Y.IQ.F70R"? L/FH.03 YA74D)AB:\$FLO80M
 (A73D HA/Y.O71WM HA/Z.E75H00¹⁹ WA/):AXIYMA70(AC B.EN-CFDOWQ03)FMA80R
)FR74W.CFH N.F80) WA/):ABA&.:RF73H)ET-HA/M.E92LEK:? K.IY-\$:PF+/O71W
 Y:HWF73H MI/Y.A71D)OY:BF75Y/W00²⁰ WA/Y.O94)MER WA/Y.O94)MER L/O74W
 L/O74W YOW)F81B YOW)F81B LO)04 LO)04)I63Y\$)I63Y\$ B.:&ORF70H B.:&ORF70H
)AT.FH03?)AT.FH03? HA/Y.O74WM HA/Y.O74WM HA/Z.E80H HA/Z.E80H
 W./BI&.AR:T.F73 W./BI&.AR:T.F73 B.:YO74WM B.:YO74WM)AX"92R)AX"92R
 W:/HA/Y.O70WM W:/HA/Y.O70WM HA/Z.EH03 HA/Z.EH03 LO74) LO74) T:BA&."80R
 T:BA&."80R ** (AL-K.I75Y-**K."71N)ja ** (AL-B.EN-?***K."71N)ja HA/M.E73LEK:
 B.EN-?M"75T00 HA/M.E73LEK: M"75T00²¹ WA/Y.O70)MER YOW)FB03 LA/K.W.\$I80Y
 L"91K: HAG."71D LA/M.E73LEK:):ASE74R RF)I92YTFH? WA/Y.I\$:T.A94XW. KW.\$I91Y
 L:/YOW)F73B WA/Y.FRO75C00²² WA/Y.O63SEP (O61WD):AXIYMA70(AC
 B.EN-CFDOWQ03 WA/Y.O74)MER?)EL-YOW)F80B WI74/YHIY MF80H
)FRU75CFH-N.F71) GAM-F73NIY)AX:AR"74Y HA/K.W.\$I92Y WA/Y.O74)MER
 YOW)F81B? LF75/M.FH-Z.E62H)AT.F71H RFC03 B.:N/I80Y W./L:/KF73H
)"YN-B.:&OWRF71H MOC"75)T00²³ WI/YHIY-MF74H?)FR80W.C WA/Y.O71)MER
 L/O73W R92W.C WA/Y.F70RFC):AXIYMA33(AC03 D.E74REK: HA/K.IK.F80R
 WA75/Y.A(:ABO73R)ET-HA/K.W.\$I75Y00? ²⁴ W:/DFWI71D YOW\$"73B B."YN-\$:N"74Y
 HA/\$: (FRI92YM WA/Y."63LEK: HA/C.OPE61H)EL-G.A70G HA/\$.A33(AR03
)EL-?HA74/XOWMF80H WA/Y.I&.F70))ET-("YNFY/W03 WA/Y.A80R:) W:/HIN."H-I73Y\$
 RF71C L:/BAD./O75W00²⁵ WA/Y.IQ:RF70) HA/C.OPEH03? WA/Y.AG."74D LA/M.E80LEK:
 WA/Y.O74)MER HA/M.E80LEK:)IM-L:/BAD./O73W B.:&OWRF74H B:/PI92Y/W
 WA/Y."71LEK: HFLO73WK:? W:/QFR"75B00²⁶ WA/Y.A74R:) HA/C.OPEH02)IY\$-)AX"74R
 RFC01 WA/Y.IQ:RF70) HA/C.OPEH03)EL-HA/\$.O("80R? WA/Y.O85)MER HIN."H-I73Y\$
 RF74C L:/BAD./O92W WA/Y.O71)MER HA/M.E73LEK: G.AM-ZE71H M:BA&."75R00
²⁷ WA/Y.O33)MER03? HA/C.OPE80H):ANI70Y RO)EH03)ET-M:RW.CA74T
 HF/RI)\$O80WN K.I/M:RUCA73T):AXIYMA74(AC B.EN-CFDO92WQ? WA/Y.O70)MER
 HA/M.E33LEK:03)I75Y\$-+O74WB ZE80H W:/)EL-B.:&OWRF71H +OWBF73H
 YFBO75W)00²⁸ WA/Y.IQ:RF74)?):AXIYMA81(AC WA/Y.O70)MER)EL-HA/M.E33LEK:03
 \$FLO80WM WA/Y.I\$:T.A94XW. LA/M.E91LEK: L:/)AP.F73Y/W)F92R:C/FH?
 WA/Y.O81)MER B.FRW.K:03 Y:HWF74H):ELOHE80Y/KF):ASE70R SIG.AR03
)ET-HF74/):ANF\$I80YM):A\$ER-?NF&:)71W.)ET-YFD/F73M B.A75)/DON/I71Y
 HA/M.E75LEK:00²⁹ WA/Y.O74)MER HA/M.E80LEK: \$FLO71WM LA/N.A73(AR?
 L:/)AB:\$FLO92WM WA/Y.O74)MER):AXIYMA83(AC RF)IYTITY04 HE/HFMO63WN
 HA/G.FDO61WL 14LI/\$:LOXA)ET-(E63BED? HA/M.E70LEK: YOW)FB03
 W:/)ET-(AB:D./E80KF W:/LO71) YFDA73(:T.IY MF75H00³⁰ WA/Y.O74)MER
 HA/M.E80LEK: SO73B? HIT:YAC."74B K.O92H WA/Y.IS.O73B WA75/Y.A(:AMO75D00
³¹ W:/HIN."71H HA/K.W.\$I73Y B.F92) WA/Y.O74)MER HA/K.W.\$I81Y YIT:B.A&."R03?
):ADON/I74Y HA/M.E80LEK: K.I75Y-\$:PF+/:KF70 Y:HWFH03 HA/Y.O80WM MI/Y.A73D

K.FL-HA/Q.FMI71YM (FLE75Y/KF00³² WA/Y.O70)MER HA/M.E33LEK:03
)EL-HA/K.W.\$I80Y H:A/\$FLO71WM LA/N.A73(AR L:/)AB:\$FLO92WM WA/Y.O74)MER
 HA/K.W.\$I81Y? YIH:Y70W. KA/N.A33(AR03)O75Y:B"Y03):ADON/I74Y HA/M.E80LEK:
 W:/KO91L):ASER-QF71MW. (FLE73Y/KF L:/RF(F75H00¹⁹ WA/Y.IR:G.A74Z
 HA/M.E81LEK: WA/Y.A91(AL (AL-(:ALIY.A71T HA/\$.A73(AR WA/Y."92B:K.:
 W:/KO74H05)FMA74R B.:/LEK:T./O81W? B.:N/I70Y)AB:\$FLOWM03 B.:N/I74Y B.:N/I74Y
)AB:\$FLO80WM MI75Y-YIT."70N MW.T/IY03):ANI74Y TAX:T.E80Y/KF)AB:\$FLO73WM?
 B.:N/I71Y B.:N/I75Y00² WA/Y.UG.A73D L:/YOW)F92B HIN."63H HA/M.E94LEK:
 B.OKE91H WA/Y.IT:)AB."73L (AL-?)AB:\$FLO75M00³ WA/T.:HI63Y HA/T.:\$(F61H
 B.A/Y.O71WM HA/H91W.) L:/)"73BEL L:/KFL-HF/(F92M K.I75Y-\$FMA74(? HF/(F81M
 B.A/Y.O70WM HA/HW.)03 L"/)MO80R NE:(ECA71B HA/M.E73LEK: (AL-B.:N/O75W00
⁴ WA/Y.IT:G.AN."71B HF/(F91M? B.A/Y.O71WM HA/H73W.) LF/BO74W) HF/(I92YR
 K.A):A\$E74R YIT:G.AN."81B HF/(FM03 HA/N.IK:L FMI80YM B.:/NW.S/F73M?
 B.A/M.IL:XFMF75H00⁵ W:/HA/M.E33LEK:03 LF)A74+)ET-P.FNF80Y/W WA/Y.IZ:(A71Q
 HA/M.E73LEK: QO74WL G.FDO92WL B.:N/IY03?)AB:\$FLO80WM)AB:\$FLO73WM
 B.:N/I71Y B.:N/I75Y00⁶ WA/Y.FBO71) YOW)F91B)EL-HA/M.E73LEK: HA/B.F92YIT?
 WA/Y.O)MER04 HOBA63\$:T.F HA/Y.O61WM)ET-P.:N"74Y KFL-(:ABFDE81Y/KF
 HA75/M:MAL.:+I70YM)E75T-NAP:\$:/KF03 HA/Y.O80WM? W:/)"63T NE70PE\$
 B.FNE33Y/KF03 W:/B:NOTE80Y/KF W:/NE74PE\$ NF\$E80Y/KF W:/NE73PE\$
 P.ILAG:\$E75Y/KF00⁷ L:/)A75H:ABFH03)ET-?&O74N:)E80Y/KF W:/LI/&:NO73)
)ET-)OH:ABE92Y/KF K.I74Y05 HIG.A74D:T.F HA/Y.O81WM K.I74Y)"70YN L:/KF03
 &FRI74YM WA/(:ABFDI80YM? K.I74Y05 YFDA74(:T.IY HA/Y.O81WM 14K.IY **L74W.
)AB:\$FLO71WM XAY03 W:/KUL./F70NW. HA/Y.OWM03 M"TI80YM K.IY-)F73Z
 YF\$F71R? B.:/("YNE75Y/KF00⁸ W:/)AT.FH03 Q74W.M C"80) W:/DAB."73R (AL-L"74B
 (:ABFDE92Y/KF K.IY04 BA/YHWF63H NI\$:B.A61(:T.IY? K.IY-) "YN:/KF74 YOWC"81)
)IM-YFLI63YN)I70Y\$)IT:/KF03 HA/L.A80Y:LFH W:/RF(F94H L:/KF74 ZO81)T
 MI/K.FL-?HF/RF(FH03):A\$ER-B.F74FH (FLE80Y/KF MI/N.:URE73Y/KF (AD-(F75T.FH00
⁹ WA/Y.F71QFM HA/M.E73LEK:? WA/Y."74SEB B.A/\$.F92(AR W.95/L:/KFL-HF/(F62M
 HIG.I74YDW. L"/)MO81R HIN."70H HA/M.E33LEK:03 YOW\$"74B B.A/\$.A80(AR?
 WA/Y.FBO70) KFL-HF/(FM03 LI/P:N"74Y HA/M.E80LEK: W:/YI&:RF)"80L NF73S)I71Y\$
 L:/)OHFLF75Y/W00¹⁰ WA/Y:HI70Y KFL-HF/(FM03 NFDO80WN B.:/KFL-\$IB:+"71Y
 YI&:RF)"73L L"/)MO92R HA/M.E61LEK: HIC.IYL/F74NW.05? MI/K.A74P)OY:B"81Y/NW.
 W:/H70W.) MIL.:+/F33NW.03 MI/K.A74P P.:LI\$:T.I80YM W:/)AT.F91H B.FRA71X
 MIN-HF)F73REC? M"/(A71L)AB:\$FLO75WM00¹¹ W:/)AB:\$FLOWM03):A\$E74R
 MF\$A74X:NW. (FL"80Y/NW. M"73T B.A/M.IL:XFMF92H? W:/)AT.F81H LF/MF71H
)AT.E91M MAX:ARISI73YM L:/HF\$I71YB)ET-HA/M.E75LEK:00¹² W:/HA/M.E74LEK:?
 D.FWI81D 14\$FLAX)EL-CFDO63WQ W:/)EL-)EB:YFTF71R HA/K.OH:ANIYM02
 L"/)MOR01 D.AB.:R62W.)EL-ZIQ:N"70Y? Y:HW.DFH03 L"/)MO80R LF70/M.FH
 TI75H:YW.03)A75X:ARONI80YM L:/HF\$I71YB)ET-HA/M.E73LEK:)EL-B."YT/O92W?
 W:/D:BAR03 K.FL-YI&:RF)"80L B.F71))EL-HA/M.E73LEK:)EL-B."YT/O75W00
¹³)AXA74Y)AT.E80M (AC:M/I71Y? W:/B:&FR/I73Y)AT.E92M W:/LF94/M.FH TIH:Y91W.
)AX:ARONI73YM L:/HF\$I71YB)ET-HA/M.E75LEK:00¹⁴ W:/LA75/(:AMF&F)03?
 T.O75M:R80W. H:A/LO91W) (AC:M/I71Y W:/B:&FR/I73Y)F92T.FH K.O74H
 YA75(:A&EH-L/I70Y):ELOHIYM03 W:/KO74H YOWSI80YP?)IM-14LO) &AR-CFBF62)
 T.IH:YE94H L:/PFNA91Y K.FL-HA/Y.FMI73YM T.A71XAT YOW)F75B00¹⁵ WA/Y.A91+
)ET-?L:BA71B K.FL-JIY\$-Y:HW.DF71H K.:/I74Y\$)EXF92D W705/Y.IS:L:XW.03
)EL-HA/M.E80LEK: \$71W.B)AT.F73H? W:/KFL-(:ABFDE75Y/KF00¹⁶ WA/Y.F74\$FB
 HA/M.E80LEK: WA/Y.FBO73) (AD-HA/Y.AR:D."92N WI/YHW.DF62H B.F74)
 HA/G.IL:G.F81L/FH? LF/LE33KET03 LI/Q:RA74)T HA/M.E80LEK: L:/HA(:ABI71YR
)ET-HA/M.E73LEK:)ET-HA/Y.AR:D."75N00¹⁷ WA/Y:MAH"81R? \$IM:(I70Y BEN-G."RF)03
 B.EN-HA/Y:MIYNI80Y):A\$E73R MI/B.A75XW.RI92YM WA/Y."33RED03 (IM-)I74Y\$
 Y:HW.DF80H? LI/Q:RA73)T HA/M.E71LEK: D.FWI75D00¹⁸ W:/)E63LEP)I74Y\$ (IM./OW02
 MI/B.IN:YFMIN01 W:/CIYBF81) 10NA(AR B."74YT? \$F)80W.L WA/X:AM"63\$SET (F&F71R
 B.FNF91Y/W W:/)E&:RI71YM (:ABFDF73Y/W)IT./O92W W:/CFL:X71W. HA/Y.AR:D."73N
 LI/P:N"71Y? HA/M.E75LEK:00¹⁹ W:/)FB:RF74H HF/(:ABFRF81H LA75/(:ABIYR03
)ET-B."74YT HA/M.E80LEK: W:/LA/(:A&O71WT HA/+.O73WB? **B.:/("YNF92Y/W
 W:/\$IM:(I74Y BEN-G."RF81) NFPAL03 LI/P:N"74Y HA/M.E80LEK: B.:/FB:R/O73W

B.A/Y.AR:D."75N00²⁰ WA/Y.O74)MER?)EL-HA/M.E81LEK:)AL-YAX:A\$FB-L/I74Y
):ADON/IY02 (FWON01 W:/)AL-T.IZ:K.O81R 10)"T):A\$E74R HE:(EWF74H? (AB:D./:KF80
 B.A/Y.O85WM):A\$ER-YF52CF7152)52]4):ADON/I75Y-HA/M.E73LEK:
 MI/YR75W.\$FLF92IM LF/&71W.M HA/M.E73LEK:)EL-?LIB./O75W00²¹ 10K.IY YFDA74(
 (AB:D./:KF80 K.I73Y):ANI74Y XF+F92)TIY W:/HIN."75H-BF74)TIY HA/Y.O81WM
 RI)\$OWN03? L:/KFL-B."74YT YOWS"80P LF/RE85DET LI/Q:RA73)T):ADON/I71Y
 HA/M.E75LEK:00²² WA/Y.A63(AN):ABIY\$A70Y? B.EN-C:RW.YFH03 WA/Y.O80)MER
 H:A/TA74XAT ZO80)T LO71) YW.MA73T \$IM:(I92Y K.I71Y QIL."73L)ET-M:\$I71YXA?
 Y:HW75H00²³ WA/Y.O74)MER D.FWI81D MAH-L./I70Y W:/L/FKEM03 B.:N"74Y
 C:RW.YF80H K.IY-TI75H:YW.-L/I71Y? HA/Y.O73WM L:/&F+F92N HA/Y.O81WM
 Y70W.MAT)IY\$03 B.:YI&:RF)"80L 10K.IY H:A/LO74W) YFDA80(T.IY K.I71Y
 HA/Y.O73WM?):ANIY-ME71LEK: (AL-YI&:RF)"75L00²⁴ WA/Y.O94)MER HA/M.E91LEK:
)EL-\$IM:(I73Y LO74) TFM92W.T WA/Y.I\$.F71BA75(? L/O73W HA/M.E75LEK:00
²⁵ W:/M:PIBO33\$ET03 B.EN-\$F)80W.L YFRA73D LI/Q:RA74)T HA/M.E92LEK:?
 W:/LO)-(F&F63H RAG:LF61Y/W W:/LO)-(F&F74H &:PFM/O81W W:/)ET-B.:GFDFY/W03
 LO74) KIB."80S L:/MIN-HA/Y.OWM03? LE74KET HA/M.E80LEK: (AD-HA/Y.O73WM
):A\$ER-B.F71) B:/\$FLO75WM00²⁶ WA/Y:HI91Y K.IY-BF71) Y:RW.\$FLA73IM?
 LI/Q:RA74)T HA/M.E92LEK: WA/Y.O70)MER L/OW03 HA/M.E80LEK: LF91/M.FH
 LO)-HFLA71K:T.F (IM./I73Y M:PIYBO75\$ET00? ²⁷ WA/Y.O)MA85R):ADON/I71Y
 HA/M.E73LEK: (AB:D./I74Y RIM./F92NIY K.I75Y-)FMA63R (AB:D./:KF61
)EX:B.:\$FH-L/IY04? HA/X:AMO63WR W:/)ER:K.A70B (FLE33Y/HF03 W:/)"L"74K:
)ET-HA/M.E80LEK: K.I71Y PIS."73XA (AB:D./E75KF00²⁸ WA/Y:RAG."74L?
 B.:/(AB:D./:KF80)EL-):ADON/I73Y HA/M.E92LEK: WA/DON/I70Y HA/M.E33LEK:03
 K.:MAL:):A74K: HF/):ELOHI80YM WA/(:A&"71H? HA/+.O73WB B.:("YNE75Y/KF00
²⁹ K.IY04 LO63) HFYF61H K.FL-B."74YT)FB/I81Y K.I70Y)IM-)AN:\$"Y-MF33WET03?
 LA/DON/I74Y HA/M.E80LEK: WA/T.F33\$ET03)E75T-(AB:D./:KF80 B.:)OK:L"73Y
 \$UL:XFN/E92KF W:/MAH-Y.E\$-L/I71Y (OWD03? C:DFQF80H W:/LI/Z:(O71Q (O73WD
)EL-HA/M.E75LEK:00³⁰ WA/Y.O70)MER L/OW03 HA/M.E80LEK: LF91/M.FH?
 T.:DAB."71R (O73WD D.:BFRE92Y/KF)FMA85R:T.IY)AT.F74H W:/CIYBF80)
 T.AX:L:Q73W.)ET-HA/&.FDE75H00? ³¹ WA/Y.O70)MER M:PIYBO33\$ET03
)EL-HA/M.E80LEK: G.A71M)ET-HA/K.O73L YIQ.F92X 14)AX:AR"Y):A\$ER-B.F62)?
):ADON/I71Y HA/M.E91LEK:J2 B.:(\$FLO73WM)EL-B."YT/O75W00³² W:/BAR:ZIL.AY03
 HA/G.IL:(FDI80Y YFRA73D? M"/ROG:LI92YM WA/Y.A:(ABO70R)ET-HA/M.E33LEK:03
 HA/Y.AR:D."80N L:/\$AL.:X/O73W)ET-**HA/Y.AR:D."80N00³³ W:/BAR:ZIL.AY03?
 ZFQ"74N M:)O80D B.EN-\$:MONI73YM \$FN92H W:/H75W.)-KIL:K.A70L
)ET-HA/M.E33LEK:03 B:/\$IYBFT/O74W B:/MAX:ANA80YIM? K.I75Y-)I91Y\$ G.FDO71WL
 H73W.) M:)O75D00³⁴ WA/Y.O71)MER HA/M.E73LEK:)EL-B.AR:ZIL.F92Y)AT.FH03
 (:ABO74R?)IT./I80Y W:/KIL:K.AL:T.I71Y)OT:/KF91 (IM.FD/I73Y B.I/YRW.\$FLF75IM00
³⁵ WA/Y.O71)MER B.AR:ZIL.A73Y)EL-HA/M.E92LEK: K.A/M.F81H Y:M"Y03 \$:N"74Y
 XAY.A80Y K.IY-)E:(ELE71H)ET-HA/M.E73LEK: Y:RW.\$FLF75IM00
³⁶ B.EN-\$:MONI74YM? \$FN9H04)FNOKI63Y HA/Y.O61WM HA/)"DA74(05
 B."YN-+O74WB L:/RF81()IM-YI+:(A70M (AB:D./:KF03)ET-):A\$E70R?)OKAL03
 W:/)ET-):A\$E74R)E\$:T.E80H)IM-)E\$:MA74((O80WD B.:/QO73WL \$FRI74YM
 W:/\$FRO92WT W:/LF/M.FH04? YI75H:YE63H (AB:D./:KF71 (OWD03 L:/MA&.F80)
)EL-):ADON/I73Y HA/M.E75LEK:00³⁷ K.I/M:(A62+ YA:(ABO94R (AB:D./:KF91?
)ET-HA/Y.AR:D."73N)ET-HA/M.E92LEK: W:/LF33/M.FH03 YIG:M/L/"74NIY
 HA/M.E80LEK: HA/G.:MW.LF73H HA/Z.O75)T00? ³⁸ YF75\$FB-NF70) (AB:D./:KF03
 W:/)FMU74T B.:/(IYR/I80Y (I91M QE71BER)FB/I73Y W:/)IM./I92Y W:/HIN."74H05
 (AB:D./:KF74? KIM:HF81M YA75:(ABOR03 (IM-):ADON/I74Y HA/M.E80LEK:
 WA/(:A&"H-L/O85W)"71T):A\$ER-+O73WB B.:("YNE75Y/KF00? ³⁹ WA/Y.O74)MER
 HA/M.E81LEK:)IT./IY03 YA:(ABO74R K.IM:HF80M WA/):ANIY03)E:(E&EH-L./O80W
)ET-?HA/+.O73WB B.:("YNE92Y/KF W:/KO91L):A\$ER-T.IB:XA71R (FL/A73Y
)E75:(E&EH-L./F75K:00⁴⁰ WA/Y.A:(ABO94R K.FL-?HF/(F91M)ET-HA/Y.AR:D."73N
 W:/HA/M.E74LEK: (FBF92R WA/Y.I\$.A63Q HA/M.E70LEK: L:/BAR:ZIL.AY03
 WA/Y:BF74R:AK/"80HW. WA/Y.F73\$FB? LI/M:QOM/O75W00⁴¹ WA/Y.A:(ABO70R
 HA/M.E33LEK:03 HA/G.IL:G.F80L/FH W:/KIM:HF73N (FBA74R (IM./O92W
 W:/KFL-?(A70M Y:HW.DFH03 **HE:(EBI74YRW.)ET-HA/M.E80LEK: W:/GA85M

X:ACI73Y (A71M YI&:RF)"75L00 ⁴² W:/HIN."91H K.FL-?)I71Y\$ YI&:RF)"73L B.F)I74YM
)EL-HA/M.E92LEK: WA/Y.O)M:R74W.)EL-HA/M.E83LEK: MAD.W.(A04 G.:NFB63W./KF?
)AX"61Y/NW.)I74Y\$ Y:HW.DF81H WA/Y.A(:ABI63RW.)ET-HA/M.E70LEK:
 W:/)ET-B."YT/OW03)ET-HA/Y.AR:D."80N W:/KFL-?)AN:\$"71Y DFWI73D (IM./O75W00
⁴³ WA/Y.A(AN04 K.FL-)I63Y\$ Y:HW.DF61H (AL-)I74Y\$ YI&:RF)"81L? K.I75Y-QFRO70WB
 HA/M.E33LEK:03)"L/A80Y W:/LF70/M.FH Z.EH03 XFRF74H L:/KF80 (AL-HA/D.BFB73R
 HA/Z.E92H HE)/FKO70WL?)FKA33L:NW.03 MIN-HA/M.E80LEK:)IM-NI&."71)T NI&.F73)
 L/F75NW.00 ⁴⁴ WA/Y.A74(AN)I75Y\$-?YI&:RF)"L04)ET-)I63Y\$ Y:HW.DF61H
 WA/Y.O81)MER (E75&ER-YFDO63WT L/I74Y BA/M.ELEK:02 W:/GAM-B.:/DFWID02?
):ANI74Y MI/M.:KF01 W:/MAD.33W.(A03 H:EQIL.OTA80/NIY W:/LO)-HFYF63H
 D:BFR/I71Y RI)\$O91WN L/I73Y L:/HF\$174YB)ET-?MAL:K./I92Y WA/Y.I33QE\$03
 D.:BAR-)I74Y\$ Y:HW.DF80H MI/D.:BA73R)I71Y\$ YI&:RF)"75L00 **20** ¹ W:/SF63M?
 NIQ:RF61))I74Y\$ B.:LIY.A81(AL W:/M/O91W \$E71BA(B.EN-B.IK:RI73Y)I74Y\$
 Y:MIYN92Y WA/Y.IT:QA74(B.A/\$.OPF81R? 14WA/Y.O)MER?)"75YN-L/F63NW.
 X"61LEQ B.:/DFWI81D W:/LO70) NA95X:ALFH-L/F33NW.03 B.:/BEN-YI\$A80Y?)I71Y\$
 L:/OHFLF73Y/W YI&:RF)"75L00? ² WA/Y.A61(AL K.FL-)I70Y\$ YI&:RF)"L03
 M"/)AX:AR"74Y DFWI80D)AX:AR"73Y \$E74BA(B.EN-B.IK:RI92Y W:/I70Y\$?
 Y:HW.DFH03 D.FB:Q74W. B:/MAL:K./F80M MIN-HA/Y.AR:D."73N
 W:/AD-Y:RW.\$FLF75IM00 ³ WA/Y.FBO63) DFWI74D)EL-?B."YT/OW02
 Y:R75W.\$FLAIM01 WA/Y.IQ.A74X HA/M.E83LEK:)"74T (E75&ER-NF\$174YM05
 P.ILAG:\$I83YM):A\$E74R HIN.IYXA04? LI/\$:MO63R HA/B.A61YIT WA75/Y.IT:N"70M
 B."YT-MI\$:ME33RET03 WA75/Y:KAL:K.:L/"80M WA):AL"Y/HE73M LO)-BF92)?
 WA/T.IH:YE94YNFH C:RURO91WT (AD-YO71WM MUT/F73N)AL:M:N71W.T
 XAY.75W.T00 ⁴ WA/Y.O70)MER? HA/M.E33LEK:03)EL-(:AMF&F80) HAZ:(EQ-L/I71Y
)ET-)IY\$-Y:HW.DF73H \$:LO74\$ET YFMI92YM W:/)AT.F73H? P.O71H (:AMO75D00
⁵ WA/Y."71LEK: (:AMF&F73) L:/HAZ:(I74YQ)ET-Y:HW.DF92H **WA/Y.O85WXER
 MIN-HA/M.OW("73D?):A\$E71R Y:(FD/O75W00 ⁶ WA/Y.O70)MER D.FWID03
)EL-):ABIY\$A80Y (AT.F81H Y"94RA75(L/F91NW. \$E71BA(? B.EN-B.IK:RI73Y
 MIN-)AB:\$FLO92WM 14)AT.FH QA62X)ET-(AB:D"70Y):ADONE33Y/KF03 W:/R.DO74P
)AX:ARF80Y/W? P.EN-MF71CF) L/O91W (FRI71YM B.:CURO73WT W:/HIC.I71YL
 ("YN/"75NW.00 ⁷ WA/Y."C:)70W.)A75X:ARFY/W03)AN:\$"74Y? YOW)F80B
 W:/HA/K.:R"TI71Y W:/HA/P.:L"TI73Y W:/KFL-HA/G.IB.ORI92YM WA/Y."75C:)W.03
 MI/YR74W.\$FLA80IM LI/R:D.O85P)AX:AR"73Y? \$E71BA(B.EN-B.IK:RI75Y00 ⁸ H"81M
 (IM-HF)/E70BEN HA/G.:DOWLFH03):A\$E74R B.:/GIB:(O80WN WA/(:AMF&F73) B.F74)?
 LI/P:N"Y/HE92M W:/YOW)F62B XFG74W.R05 MID./O74W L:BU\$O81WJ9
 **W:/FLF62Y/W X:AGO71WR XE33REB03 M:CUM.E70DET (AL-?MFT:NFY/W03
 B.:/TA(:R/F80H. W:/H71W.) YFCF73) WA/T.IP.O75L00 ⁹ WA/Y.O70)MER YOW)FB03
 LA/(:AMF&F80)? H:A/\$FLO71WM)AT.F73H)FX/I92Y WA/T.O61XEZ YAD-Y:MI71YN
 YOW)F91B B.I/Z:QA71N (:AMF&F73) LI/N:\$FQ-L/O75W00? ¹⁰ WA/(:AMF&F63)
 LO75)-NI\$:MA61R B.A/XE74REB05):A\$E74R B.:/YAD-YOW)F81B WA/Y.AK./"HW.04
 B/F63H.)EL-HA/XO61ME\$? WA/Y.I\$:P.O63K: M"(F71Y/W)A91R:C/FH W:/LO)-\$F71NFH
 L/O73W WA/Y.FMO92T W:/YOW)FB03 WA):ABIY\$A74Y)FXI80Y/W? RFDA85P
)AX:AR"73Y \$E71BA(B.EN-B.IK:RI75Y00 ¹¹ W:/IY\$03 (FMA74D (FLF80Y/W
 MI75/N.A(:AR"73Y YOW)F92B WA/Y.O81)MER? MIY04):A\$E63R XFP"94C
 B.:/YOW)F91B W:/MI71Y):A\$ER-L:/DFWI73D)AX:AR"71Y YOW)F75B00
¹² WA/(:AMF&F91) MIT:G.OL"71L? B.A/D.FW73M B.:/TO74WK: HA75/M.:SIL.F92H
 WA/Y.A63R:) HF)/I61Y\$ K.I75Y-(FMA74D K.FL-HF/(F81M WA/Y.AS."B04
)ET-?(:AMF&F63) MIN-HA75/M:SIL.F70H HA/&.FDEH03 WA/Y.A\$:L"70K: (FLFY/W03
 B.E80GED K.A):A\$E74R RF)F80H K.FL-HA/B.F71)? (FLF73Y/W W:/FMF75D00
¹³ K.A):A\$E71R HOGF73H MIN-HA75/M:SIL.F92H (FBA70R K.FL-)IY\$03)AX:AR"74Y
 YOW)F80B? LI/R:D.O85P)AX:AR"73Y \$E71BA(B.EN-B.IK:RI75Y00
¹⁴ WA75/Y.A(:ABO62R B.:/KFL-\$IB:+"74Y YI&:RF)"81L)FB"91LFH? W:/B"71YT
 MA(:AKF73H W:/KFL-HA/B."RI92YM **WA/Y.IQ.F74H:AL80W. WA/Y.FBO73)W.
)AP-)AX:ARF75Y/W00? ¹⁵ WA/Y.FBO61)W. WA/Y.FCU74RW. (FLF81Y/W B.:/FB"33LFH03
 B."74YT HA75/M.A(:AKF80H WA/Y.I\$:P.:K70W. SO75L:LFH03)EL-?HF/(I80YR
 WA75/T.A(:AMO73D B.A/X"92L W:/KFL-HF/(FM03):A\$E74R)ET-YOW)F80B
 MAS:XIYTI73M L:/HAP.I71YL? HA/XOWMF75H00 ¹⁶ WA/T.IQ:RF91))I\$F71H

X:AKFMF73H MIN-HF/(I92YR \$IM:(70W. \$IM:(W.03)IM:RW.-NF74)?)EL-YOW)F80B
 Q:RA74B (AD-H"80N./FH WA):ADAB.:RF73H)"LE75Y/KF00¹⁷ WA/Y.IQ:RA74B
)"LE80Y/HF WA/T.O94)MER? HF/)I\$.F91H HA)/AT.F71H YOW)F73B WA/Y.O74)MER
)F92NIY WA/T.O74)MER L/O81W \$.MA(03 D.IB:R"74Y):AMFT/E80KF WA/Y.O73)MER?
 \$OM"71(A)FNO75KIY00¹⁸ WA/T.O73)MER L"/)MO92R D.AB."63R Y:DAB.:R70W.
 BF/RI75)\$ONFH03 L"/)MO80R \$F)O94L? Y:\$F):AL91W. B.:/FB"73L W:/K"71N
 H"TA75M.W.00¹⁹)FNOKI85Y \$:LUM"73Y):EMW.N"74Y YI&:RF)"92L)AT.F74H?
 M:BAQ."81\$ L:/HFMI63YT (I70YR W:/)"M03 B.:YI&:RF)"80L LF71/M.FH T:BAI.A73(
 NAX:ALA71T Y:HWF75H00²⁰ WA/Y.A71(AN YOW)F73B WA/Y.O)MA92R XFLI70YLFH
 XFLI33YLFH03 L/I80Y)IM-):ABAL.A73(W:/)IM-)A\$:XI75YT00?²¹ LO)-K"74N
 HA/D.FBF81R K.I83Y)IY\$04 M"/HA63R)EP:RA61YIM \$E94BA(B.EN-B.IK:RI74Y
 \$:M/O81W NF&F70) YFD/OW03? B.A/M.E74LEK: B.:/DFWI80D T.:N75W.-)OT/O74W
 L:/BAD./O80W W:/)"L:KF73H M"/(A74L HF/(I92YR WA/T.O70)MER HF75/)I\$.FH03?
)EL-YOW)F80B HIN."71H RO)\$O91W MU\$:LF71K:)"LE73Y/KF B.:/A71D
 HA/XOWMF75H00²² WA/T.FBOW)04 HF/)I\$.F63H?)EL-K.FL-HF/(F61M
 B.:/XFK:MFT/F81H. WA75/Y.IK:R:T62W.)ET-RO63)\$ \$E70BA(B.EN-B.IK:RIY03
 WA/Y.A\$:LI74KW.?)EL-YOW)F80B WA/Y.IT:QA(03 B.A/\$.OWPF80R WA/Y.FPU71CW.
 M"75/(AL-HF/(I73YR)I74Y\$ L:/)OHFLF92Y/W W:/YOW)F91B? \$F71B Y:RW.\$FLA73IM
)EL-HA/M.E75LEK:00²³ W:/YOW)F85B W:/YOW)F85B)E71L)E71L
 K.FL-K.FL-HA/C.FBF73) HA/C.FBF73) YI&:RF)"92L YI&:RF)"92L W:/B:NFYFH03
 W:/B:NFYFH03 B.EN-B.EN-Y:HO74WYFDF80(Y:HO74WYFDF80(**HA/K.:R"TI73Y?
 (AL-W:/)AL-**HA/K.:R"TI73Y? HA/P.:L"TI75Y00 W:/)AL-HA/P.:L"TI75Y00
²⁴ WA):ADORF73M (AL-HA/M.A92S WI/YHOW\$PFP71+ B.EN-):AXIYL73W.D
 HA/M.AZ:K.I75YR00?²⁵ **W./\$:WF73) SOP"92R W:/CFDO71WQ W:/)EB:YFTF73R
 K.OH:ANI75YM00²⁶ W:/GA81M (IYRF)03 HA/Y.F74)IRI80Y HFYF71H? KOH"73N
 L:/DFWI75D00²¹ 1 WA/Y:HI74Y RF(FB04 B.I/YM"63Y DFWI61D \$FLO74\$ \$FNI81YM
 \$FNFH03)AX:AR"74Y \$FNF80H WA/Y:BAQ."71\$? D.FWI73D)ET-P.:N"74Y Y:HWF92H
 WA/Y.O74)MER Y:HWF81H)EL-\$F)W.L03 W:/)EL-B."74YT? HA/D.FMI80YM
 (AL-):A\$ER-H"MI73YT)ET-HA/G.IB:(ONI75YM00² WA/Y.IQ:RF71) HA/M.E91LEK:
 LA/G.IB:(ONI73YM? WA/Y.O74)MER):AL"Y/HE92M W:/HA/G.IB:(ONI62YM LO74)
 MI/B.:N"94Y YI&:RF)"74L H"81M.FH 10K.IY)IM-MI/Y.E74TER? HF/):EMORI80Y
 W:/B:N"70Y YI&:RF)"L03 NI\$:B.:/74W. L/FHE80M WA/Y:BAQ."70\$ \$F)W.L03
 L:/HAK.OT/F80M B.:/QAN.O)T/O71W? LI/B:N"75Y-YI&:RF)"73L WI/YHW.DF75H00
³ WA/Y.O70)MER D.FWID03)EL-HA/G.IB:(ONI80YM MF71H)E(:E&E73H L/FKE92M?
 W:/BA/M.F74H):AKAP."80R W:/BFR:K73W.)ET-NAX:ALA71T Y:HWF75H00
⁴ WA/Y.O94)M:RW. WA/Y.O94)M:RW. L/O74W L/O74W HA/G.IB:(ONI81YM
 HA/G.IB:(ONI81YM **L/F61NW.)"75YN-?K.E70SEP **L/F61NW. W:/ZFHFB03 K.E70SEP
 (IM-W:/ZFHFB03 \$F)74W.L (IM-W:/)IM-\$F)74W.L B."YT/O80W
 W:/)IM-W:/)"75YN-B."YT/O80W L/F71NW. W:/)"75YN-I73Y\$ L/F71NW. L:/HFMI74YT
)I73Y\$ B.:/YI&:RF)"92L? L:/HFMI74YT WA/Y.O91)MER B.:/YI&:RF)"92L?
 MF75H-WA/Y.O91)MER)AT.E71M MF75H-)OM:RI73YM)AT.E71M)E(:E&E71H
)OM:RI73YM L/FKE75M00)E(:E&E71H L/FKE75M00⁵ WA/Y.O75)M:RW.03
)EL-HA/M.E80LEK: HF/)IY\$03?):A\$E74R K.I.L./F80NW. WA):A\$E73R D.IM.FH-L/F92NW.
 NI\$:MA85D:NW. M"75/HIT:YAC."73B B.:/KFL-G.:BU71L YI&:RF)"75L00?
⁶ **YUT.AN-L/F61NW.)IB:(F70H):ANF\$IYM03 MI/B.FNF80Y/W
 W:/HOWQA95(ANW./M03 LA75/YHWF80H B.:/GIB(A71T \$F)73W.L? B.:XI74YR
 Y:HWF92H WA/Y.O71)MER HA/M.E73LEK:):ANI71Y)ET."75N00⁷ WA/Y.AX:MO74L
 HA/M.E80LEK: (AL-?M:PIY-BO73\$ET)3 B.EN-Y:HOWNFTF74N B.EN-\$F)92W.L
 (AL-\$:BU(A70T Y:HWFH03):A\$E74R B."75YNOT/F80M B."74YN? D.FWI80D W:/B"73YN
 Y:HOWNFTF71N B.EN-\$F)75W.L00⁸ WA/Y.IQ.A74X HA/M.E83LEK:)ET-14\$:N"Y
 B.:N"63Y RIC:P.F70H BAT-?)AY.FH03):A\$E74R YFL:DF74H L:/)F)80W.L
)ET-JAR:MONI73Y W:/)ET-M:PIBO92\$ET W:/)ET-X:AM"81\$ET B.:N"Y03? MIYKA74L
 B.AT-\$F)80W.L):A\$E71R YFL:DF91H L:/)AD:RIY)"71L B.EN-B.AR:ZIL.A73Y
 HA/M.:XOLFTI75Y00?⁹ WA75/Y.IT.:N"62M B.:YA74D HA/G.IB:(ONI81YM
 WA/Y.OQIY(U70/M B.F/HFR03 LI/P:N"74Y Y:HWF80H WA/Y.IP.:L71W. **\$:BA(:T/F73M
 YF92XAD? **W:/H"63M.FH HUM:T61W. B.I/YM"70Y QFCIYR03 B.F/RI74)\$ONI80YM
 **B.I/T:XIL.A73T]a Q:CI71YR &:(ORI75YM00¹⁰ WA/T.IQ.A74X? RIC:P.FH04

)AY.F63H)ET-HA/&.A61Q WA/T.A+./"63HW. L/F70H.)EL-HA/C.W.R03 MI/T.:XIL.A74T
 QFCI80YR (A91D? NIT.AK:-MA71YIM (:AL"Y/HE73M MIN-HA/\$.FMF92YIM
 W:/LO75)-NFT:NFH04 (O63WP HA/\$.FMA61YIM LF/N70W.XA (:AL"Y/HEM03?
 YOWMF80M W:/)ET-XAY.A71T HA/&.FDE73H LF75Y:LFH00 ¹¹ WA/Y.UG.A73D
 L:/DFWI92D)"94T):A\$ER-(F&:TF91H? RIC:P.F71H BAT-)AY.F73H P.ILE71GE\$
 \$F)75W.L00 ¹² WA/Y."74LEK: D.FWI81D WA/Y.IQ.A62X)ET-(AC:MO70WT? \$F)W.L03
 W:/)ET-(AC:MOWT03 Y:HOWNFTF74N B.:N/O80W M"/)"85T B.A(:AL"73Y YFB"74Y\$
 G.IL:(F92D):A\$ER04 G.FN:B63W.?)OT/F61M M"/R:XO74B B."75YT-\$A81N):A\$E63R
 **T:LF)71W/M **\$F33M./FH03 **P.:LI\$:T.I80YM B.:YO63WM HAK.O94WT?
 P.:LI\$:T.I91YM)ET-\$F)73W.L B.A/G.IL:B.O75(A00 ¹³ WA/Y.A70(AL MI/\$.FM03
)ET-(AC:MO74WT \$F)80W.L W:/)ET-?(AC:MO73WT Y:HOWNFTF74N B.:N/O92W
 WA/Y.A74)AS:P80W.)ET-(AC:MO73WT HA/M.W.QF(I75YM00 ¹⁴ WA/Y.IQ:B.:R74W.
)ET-?(AC:MOWT-\$F)74W.L WI/YHOWNF75TFN-14B.:N/OW B.:E63REC B.IN:YFMI61N
 B.:C"LF81(B.:QE33BER03 QI74Y\$)FBI80Y/W? WA75/Y.A(:A&80W. K.O71L
):A\$ER-CIW.F73H HA/M.E92LEK: WA/Y.(FT"94R):ELOHI91YM LF)/F73REC
)A75X:AR"Y-K"75N00 ¹⁵ WA/T.:HIY-(O94WD MIL:XFMF91H LA/P.:LI\$:T.I73YM
)ET-YI&:RF)"92L WA/Y."63RED D.FWI61D WA/(:ABFDF71Y/W? (IM./O91W
 WA/Y.I.L.FX:AM71W.)ET-P.:LI\$:T.I73YM WA/Y.F71(AP D.FWI75D00 ¹⁶ **W:/YI\$:B.I63Y
 B.:NO61B):A\$E74R05 B.I/YLIYD"74Y? HF/RFPF81H W./MI\$:QA70L Q"YN/OW03 \$:LO70\$
 M")OWT03 MI\$:QA74L N:XO80\$ET W:/H73W.) XFG74W.R X:ADF\$F92H? WA/Y.O73)MER
 L:/HAK.O71WT)ET-D.FWI75D00 ¹⁷ WA/Y.A75(:AZFR-L/OW03):ABIY\$A74Y
 B.EN-C:RW.YF80H WA/Y.A71K:)ET-?HA/P.:LI\$:T.I73Y WA/Y:MIYT/"92HW.)F74Z
 NI\$:B.:W.04)AN:\$"Y-DFWI63D L/O61W L"/)MO81R LO)-T"C"63) (O70WD?)IT./F33NW.03
 LA/M.IL:XFMF80H W:/LO71) T:KAB.E73H)ET-N"71R YI&:RF)"75L00 ¹⁸ WA75/Y:HIY03
)A75X:AR"Y-?K"80N WA/T.:HIY-(O94WD HA/M.IL:XFMF91H B.:GO73WB
 (IM-P.:LI\$:T.I92YM)F74Z HIK.F81H SIB.:KAY03 HA/XU74\$FTI80Y?)ET-SA85P):A\$E73R
 B.I/YLID"71Y HF/RFPF75H00 ¹⁹ WA/T.:HIY-(O94WD HA/M.IL:XFMF91H B.:GO73WB?
 (IM-P.:LI\$:T.I92YM WA/Y.A83K:)EL:XFNFN04 B.EN-YA(:R"Y03)OR:GI61YM B."74YT
 HA/L.AX:MI81Y ¹⁰)"T G.FL:YF74T? HA/G.IT.I80Y W:/("74C X:ANIYT/O80W
 K.I/M:NO73WR)OR:GI75YM00 ²⁰ WA/T.:HIY-(O71WD MIL:XFMF73H B.:GA92T?
 WA/Y:HI74Y05)I74Y\$ **MFDO81WN W:/)EC.B.:O74T YDFDY/W04 W:/)EC.B.:O63TJ3
 RAG:LF61Y/W \$"74\$ WF/\$"81\$ (E&:RI70YM? W:/)AR:B.A(03 MIS:P.F80R W:/GAM-H73W.)
 YUL.A71D L:/HF/RFPF75H00 ²¹ WA/Y:XFR"73P WA/Y:XFR"73P)ET-)ET-YI&:RF)"92L
 YI&:RF)"92L WA/Y.AK./"33HW.03? WA/Y.AK./"33HW.03? Y:HO74WNFTF80N
 Y:HO74WNFTF80N **\$IM:(F73H B.EN-):AXI71Y **\$IM:(F73H DFWI75D00):AXI71Y
 DFWI75D00 ²²)ET-)AR:B.A71(AT)"91L.EH YUL.:D71W.? L:/HF/RFPF73H B.:GA92T
 WA/Y.IP.:L71W. B:/YAD-D.FWI73D W:/B:/YA71D (:ABFDF75Y/W00 **22** ¹ WA/Y:DAB."70R
 D.FWID03 LA75/YHWF80H)ET-D.IB:R"73Y HA/\$.IYRF74H HA/Z.O92)T B.:YOWM04
 HIC.I63YL? Y:HWF71H)OT/O91W MI/K.A71P K.FL-)OY:BF73Y/W W./MI/K.A71P
 \$F)75W.L00 ² WA/Y.O)MA92R? Y:HWF91H SA75L:(I71Y W./M:CUDFT/I73Y
 W./M:PAL:+/IY-L/I75Y00 ³):ELOH"71Y CW.R/I73Y)EX:ESEH-B./O92W? MFGIN./I62Y
 W:/QE74REN YI\$:(/I81Y MI&:G.AB./IY03 W./M:NW.S/I80Y MO\$I(/I85Y M"/XFMF73S
 T.O\$I(/"75NIY00? ⁴ M:HUL.F73L)EQ:RF74) Y:HWF92H W./M")OY:BA73Y)IW.F\$"75(A00?
⁵ K.I71Y):APFPU73/NIY MI\$:B.:R"Y-MF92WET NAX:AL"71Y B:LIY.A73(AL
 Y:BA(:ATU75/NIY00? ⁶ XEB:L"71Y \$:)O73WL SAB.U92/NIY QID.:MU73/NIY
 MO75Q:ATU"Y-MF75WET00? ⁷ B.A/C.AR-L/IY03)EQ:RF74) Y:HWF80H W:/)EL:):ELOHA73Y
)EQ:RF92)? WA/Y.I\$:MA70(M"/H"75YKFL/OW03 QOWL/I80Y W:/SAW:(FT/I73Y
 B.:FZ:N75Y/W00? ⁸ **WA/Y.IT:G.F(A70\$)a WA/T.IR:(A\$03 HF)/F80REC
 MOWS:DO71WT HA/\$.FMA73YIM YIR:G.F92ZW. WA/Y.I75T:G.F(:A\$73W.
 K.I75Y-XF71RFH L/O75W00? ⁹ (FLF70H (F\$FN03 B.:AP./O80W W:/)"71\$ MI/P.I73Y/W
 T.O)K"92L G.EXFLI73YM B.F(:AR71W. MI/M./E75N.W.00? ¹⁰ WA/Y."71+ \$FMA73YIM
 WA/Y."RA92D WA/(:ARFPE73L T.A71XAT RAG:LF75Y/W00? ¹¹ WA/Y.IR:K.A71B
 (AL-K.:R73W.B WA/Y.F(O92P WA/Y."RF73) (AL-K.AN:P"Y-R75W.XA00? ¹² WA/Y.F71\$ET
 XO91\$EK: S:BIYBOTF73Y/W SUK.O92WT XA75\$:RAT-MA73YIM (FB"71Y
 \$:XFQI75YM00? ¹³ MI/N.O73GAH. NEG:D./O92W B.F(:AR73W. G.AX:AL"Y-)"75\$00?
¹⁴ YAR:("71M MIN-\$FMA73YIM Y:HWF92H W:/)EL:YO73WN YIT."71N QOWL/O75W00?
¹⁵ WA/Y.I\$:LA71X XIC.I73YM WA/Y:PIYC/"92M B.FRF73Q **WA/Y.FHO75M00?

WA/Y."75RF)W.03)API74Q"Y YF80M YIG.FL73W. MOS:DO74WT T."B"92L?
 B.:/GA(:ARA74T Y:HWF80H MI/N.IS:MA73T R71W.XA)AP./O75W00? ¹⁷ YI\$:LA71X
 MI/M.FRO73WM YIQ.FX/"92NIY YA75M:\$/"73NIY MI/M.A71YIM RAB.I75YM00?
¹⁸ YAC.IYL/"85NIY M"/OY:B/I73Y (F92Z MI/&.O74N:)A80Y K.I71Y)FM:C73W.
 MI/M./E75N.IY00? ¹⁹ Y:QAD.:MU73/NIY B.:/YO74WM)"YD/I92Y WA/Y:HI94Y Y:HWF91H
 MI\$:(F73N L/I75Y00? ²⁰ WA/Y.OC"71) LA/M.ER:XF73B)OT/I92Y Y:XAL.:C/"73NIY
 K.IY-XF71P"75C B./I75Y00? ²¹ YIG:M:L/"71NIY Y:HWF73H K.:/CID:QFT/I92Y K.:/BO71R
 YFDA73Y YF\$171YB L/I75Y00? ²² K.I71Y \$FMA73R:T.IY D.AR:K"74Y Y:HWF92H
 W:/LO71) RF\$A73(:T.IY M"/):ELOHF75Y00? ²³ K.I71Y K.I71Y **MI\$:P.F+F73Y/W
 KFL-L:/NEG:D/I92Y **MI\$:P.F+F73Y/W W:/XUQ.OTF73Y/W L:/NEG:D/I92Y
 LO)-W:/XUQ.OTF73Y/W)FS71W.R LO)-MI/M./E75N.FH00?)FS71W.R MI/M./E75N.FH00?
²⁴ WF)/EH:YE71H TFMi73YM L/O92W WF)/E\$:T.AM.:RF73H M"/(:AWON/I75Y00?
²⁵ WA/Y.F94\$EB Y:HWF91H L/I73Y K.:/CID:QFT/I92Y K.:/BOR/I73Y L:/NE71GED
 ("YNF75Y/W00? ²⁶ (IM-XFSI73YD T.IT:XAS.F92D (IM-G.IB.O71WR T.FMI73YM
 T.IT.AM.F75M00? ²⁷ (IM-NFBF73R T.IT.FBF92R W:/(IM-(IQ."73\$ T.IT.AP.F75L00?
²⁸ W:/)ET-(A71M (FNI73Y T.OW\$192Y(A W:/"YNE73Y/KF (AL-RFMI71YM
 T.A\$:P.I75YL00? ²⁹ K.I75Y-)AT.F71H N"YR/I73Y Y:HWF92H WA/YHWF73H YAG.I71YH.A
 XF\$:K.I75Y00? ³⁰ K.I71Y B:/KF73H)FR74W.C G.:D92W.D B."/LOHA73Y
):ADAL.EG-\$75W.R00? ³¹ HF)"73L T.FMI74YM D.AR:K./O92W)IM:RA70T Y:HWFH03
 C:RW.PF80H? MFG"74N H80W.) L:/KO73L HA/XOSI71YM B./O75W00? ³² K.I71Y
 MIY-)73L MI/B.AL:(AD"74Y Y:HWF92H W./MI71Y C73W.R MI75/B.AL:(AD"71Y
):ELOH"75Y/NW.00? ³³ HF)"71L MF(W.Z./I73Y XF92YIL WA/Y.AT."71R T.FMI73YM
 **D.AR:K./I75Y00? ³⁴ M:\$AW.E71H **RAG:LA73Y K.F)/AY.FLO92WT W:/(A71L
 B.FMOWTA73Y YA(:AMID/"75NIY00? ³⁵ M:LAM."71D YFDA73Y LA/M.IL:XFMF92H
 W:/NIXA71T QE75\$ET-N:XW.\$F73H Z:RO(OTF75Y00? ³⁶ WA/T.IT.EN-L/I73Y MFG"74N
 YI\$:(E92KF WA(:ANOT:/KF73 T.AR:B."/75NIY00? ³⁷ T.AR:XI71YB CA:(AD/I73Y
 T.AX:T."/92NIY W:/LO71) MF(:AD73W. QAR:SUL.F75Y00? ³⁸)ER:D.:PF71H)OY:BA73Y
 WF)/A\$:MIYD/"92M W:/LO71))F\$73W.B (AD-K.AL.OWT/F75M00? ³⁹ WF)/AKAL."/71M
 WF)/EM:XFC/"73M W:/LO74) Y:QW.M92W.N WA75/Y.IP.:L73W. T.A71XAT
 RAG:LF75Y00? ⁴⁰ WA/T.AZ:R/"71NIY XA73YIL LA/M.IL:XFMF92H T.AK:RI71Y(A
 QFMA73Y T.AX:T."/75NIY00? ⁴¹ W:/)O74Y:BA80Y T.A71T.FH L/I73Y (O92REP
 M:&AN:)A73Y WF)/AC:MIYT/"75M00? ⁴² YI\$:(73W. W:/)"74YN MO\$192Y(A
)EL-Y:HWF73H W:/LO71) (FN/F75M00? ⁴³ W:/)E\$:XFQ/"73M K.A/(:APAR-)F92REC
 K.:/+IY+-XW.CO71WT):ADIQ/"73M)ER:QF(/"75M00? ⁴⁴ WA75/T.:PAL.:+/"80NIY
 M"/RIYB"73Y (AM./I92Y? T.I\$:M:R/"33NIY03 L:/RO74)\$ G.OWYI80M (A71M
 LO)-YFDA73(:T.IY YA(AB:DU75/NIY00? ⁴⁵ B.:N"71Y N"KF73R YIT:K.A75X:\$W.-L/I92Y
 LI/\$:MO71W(A)O73ZEN YI\$.F71M:(W. L/I75Y00? ⁴⁶ B.:N"71Y N"KF73R YIB.O92LW.
 W:/YAX.G.:R73W. MI/M.IS:G.:ROWT/F75M00? ⁴⁷ XAY-Y:HWF73H W:/BFR74W.K:
 CW.R/I92Y W:/YFRU85M):ELOH"73Y C71W.R YI\$:(I75Y00? ⁴⁸ HF)"85L HA/N.OT"71N
 N:QFMO73T L/I92Y W:/MOWRI71YD (AM.I73YM T.AX:T."/75NIY00?
⁴⁹ W:/MOWCIY)/I73Y M"/O75Y:BF92Y W:/MI/Q.FMAY03 T.:RO74WM:M/"80NIY
 M"/I71Y\$ X:AMFSI73YM T.AC.IYL/"75NIY00? ⁵⁰ (AL-K."91N)OWD:/KF71 Y:HWF73H
 B.A/G.OWYI92M W:/L:/SIM:/KF73):AZAM."75R00? ⁵¹ **MIG:D.O73WL **MIG:D.O73WL
 Y:\$W.(O74WT Y:\$W.(O74WT MAL:K./O92W MAL:K./O92W
 W:/(O75&EH-W:/(O75&EH-XE94SED XE94SED LI/M:\$IYX/O91W? LI/M:\$IYX/O91W?
 L:/DFWI71D W:/L:/ZAR:/(O73W W:/L:/ZAR:/(O73W (AD-(AD-(OWLF75M00?
 (OWLF75M00? PJ3 **23** ¹ W:/)"91L.EH D.IB:R"71Y DFWI73D HF)/A75X:ARONI92YM?
 N:)U94M D.FWI74D B.EN-YI\$A81Y W:/N:)U70M HA/G.E33BER03 HU74QAM (F80L?
 M:\$I33YXA03):ELOH"74Y YA75(:AQO80B W:/N:(I73YM Z:MIRO71WT YI&:RF)"75L00?
² R71W.XA Y:HWF73H D.IB.ER-B./I92Y W:/MIL.FT/O73W (AL-L:\$OWN/I75Y00?
³)FMAR03):ELOH"74Y YI&:RF)"80L L/I71Y DIB.E73R C74W.R YI&:RF)"92L? MOW\$"L03
 B.F)/FDF80M CAD.I85YQ MOW\$"73L YIR:)A71T):ELOHI75YM00? ⁴ W:/K:/O71WR
 B.O73QER YIZ:RAX-\$F92ME\$ 10B.OQER LO74) (FBO80WT? MI/N.O71GAH.
 MI/M.F+F73R D.E71\$E) M"/)F75REC00? ⁵ K.I75Y-LO)-K"71N B."YT/I73Y (IM-)92L K.IY04
 B:RI63YT (OWLF61M &F74M L/I81Y? (:ARW.KF70H BA/K.OL03 W:/MURF80H?
 K.I75Y-KFL-YI\$:(I71Y W:/KFL-X"73PEC K.I75Y-LO71) YAC:MI75YXA00?
⁶ W:/B:LIY.A85(AL K.:/QO71WC MUNF73D K.UL:/F92HAM K.I75Y-LO71) B:/YF73D

YIQ.F75XW.00? 7 W:/)IY\$03 YIG.A74(B./FHE80M YIM.FL"71) BAR:ZE73L W:/("74C X:ANI92YT? W./BF/)"85\$ &FRO71WP YI&.FR:P73W. B.A/\$.F75BET00 8)"91L.EH \$:MO71WT HA/G.IB.ORI73YM):A\$E74R L:/DFWI92D YO\$"63B B.A/\$.E61BET T.AX:K.:MONI74Y05 RO74)\$? HA/\$.FLI\$181Y 10HW.) (:ADIYNO74W **HF/(EC:NI80Y (AL-\$:MONE71H M")O91WT XFLF73L B.:PA71(AM **)EXF75T00? 9 **W:/)AX:ARF91Y/W **W:/)AX:ARF91Y/W)EL:(FZF71R)EL:(FZF71R **D.ODO73W B.EN-B.EN-**D.ODO73W):AXOXI92Y B.EN-B.I/\$:LO\$F63H):AXOXI92Y **HA/G.IB.ORI61YM? B.I/\$:LO\$F63H (IM-**HA/G.IB.ORI61YM? D.FWI81D (IM-WA75/Y.A:(AL73W. D.FWI81D)I71Y\$? B.:XF75R:P/F70M YI&.RF)"75L00 B.A/P.:LI\$:T.IYM NE)ES:PW.-\$F74M LA/M.IL:XFMF80H WA75/Y.A:(AL73W.)I71Y\$? YI&.RF)"75L00 10 H74W.) QFM04 WA/Y.A63K: B.A/P.:LI\$:T.I61YM (A74D05 K.I75Y-YFG:(F74H YFD/O81W WA/T.ID:B.A70Q YFD/OW03?)EL-HA/XE80REB WA/Y.A94(A& Y:HWF91H T.:\$W.(F71H G:DOWLF73H B.A/Y.O74WM HA/H92W.) W:/HF/(F91M YF\$U71BW.)AX:ARF73Y/W?)AK:-L:/PA\$. "75+00 11 W:/)AX:ARF91Y/W \$AM.F71) BEN-FG"73) HFRFRI92Y WA/Y.)FS:P63W. P:LI\$:T.I61YM? LA/XAY.F81H WA/T.:HIY-\$F62M XEL:QA70T HA/&.FDEH03 M:L")F74H (:ADF\$180YM W:/HF/(F71M NF73S MI/P.:N"71Y? P:LI\$:T.I75YM00 12 WA/Y.IT:YAC."70B B.:TOWK:-HA75/XEL:QFH03 WA/Y.AC.IYL/E80HF WA/Y.A73K:)ET-P.:LI\$:T.I92YM? WA/Y.A71(A& Y:HWF73H T.:\$W.(F71H G:DOWLF75H00 13 WA/Y."R:D63W. **\$:LO\$F61H M"/HA/\$:LO\$174YM? RO81)\$ WA/Y.FBO70)W.)EL-QFCIYR03)EL-D.FWI80D)EL-M:(FRA73T (:ADUL.F92M W:/XAY.A74T P.:LI\$:T.I80YM? XONF73H B.:("71MEQ R:PF)I75YM00 14 W:/DFWI73D)F74Z B.A/M.:C.W.DF92H W/MAC.A74B P.:LI\$:T.I80YM)F73Z B."71YT? LF75XEM00 15 WA/Y.IT:JAW.E71H DFWI73D WA/Y.O)MA92R 10MIY YA\$:Q/"74NIY MA80YIM MI/B.O71)R B."75YT-LE73XEM):A\$E71R? B.A/\$.F75(AR00 16 WA/Y.IB:Q:(W.04 \$:LO63\$ET HA/G.IB.ORI61YM B.:MAX:AN"74H P:LI\$:T.I81YM WA/Y.I75\$):ABW.-MA33YIM03? MI/B.O70)R B."75YT-LE33XEM03):A\$E74R B.A/\$.A80(AR WA/Y.I&:)73W. WA/Y.FBI74)W.)EL-D.FWI92D W:/LO70))FBFH03? LI/\$:T.OWT/F80M WA/Y.AS."71K:)OT/F73M LA75/YHWF75H00 17 WA/Y.O83)MER XFLIYLFH04 L./I63Y Y:HWF61H M"/(:A&O74T/Y? ZO81)T H:A/DA70M HF75):ANF\$1YM03 HA/HOL.KI74YM B.:NAP:\$OWT/F80M W:/LO71))FBF73H LI/\$:T.OWT/F92M)"74L.EH? (F&80W. \$:LO73\$ET HA/G.IB.ORI75YM00 18 WA/):ABIY\$A62Y):AXI74Y05 YOW)F74B B.EN-C:RW.YF81H 10HW.)? RO74)\$ **HA/\$:LO\$F80H W:/HW.)03 (OWR"74R)ET-X:ANIYT/O80W (AL-\$:LO71\$ M")O73WT XFLF92L W:/L/OW-?"73M B.A/\$:LO\$F75H00 19 MIN-HA/\$:LO\$FH03 H:A/KI74Y NIK:B.F80D WA/Y:HI71Y L/FHE73M L:/&F92R W:/(:AD-?HA/\$:LO\$F73H LO)-BF75)00 20 W:/B:NFYF63HW. W:/B:NFYF63HW. BEN-BEN-Y:HOWYFDF94(Y:HOWYFDF94(**XA91YIL B.EN-RAB-?)I75Y\$-P.:FLI73YM **XA91YIL MI75/Q.AB:C:) "92L RAB-?H74W.) P.:FLI73YM HIK.F81H MI75/Q.AB:C:) "92L)"74T H74W.) \$:N"70Y HIK.F81H):ARI)"L03)"74T MOW)F80B \$:N"70Y 14W:/HW.)):ARI)"L03 YFRA62D MOW)F80B W:/HIK.F94H? 14W:/HW.) **HF/):ARI91Y YFRA62D B.:TO71WK: W:/HIK.F94H? HA/B.O73)R)E75T-B.:YO71WM **HF/):ARI91Y HA/\$.F75LEG00 B.:TO71WK: HA/B.O73)R B.:YO71WM HA/\$.F75LEG00 21 W:/HW.)-HIK.FH04)ET-)I63Y\$? MIC:RI61Y **I74Y\$ MAR:)E81H W:/B:YA70D HA/M.IC:RIY03 X:ANI80YT WA/Y."71RED)"LF73Y/W B.A/\$.F92BE+ WA/Y.IG:ZO70L)E75T-?HA/X:ANIYT03 MI/Y.A74D HA/M.IC:RI80Y WA/Y.AHAR:G/"73HW. B.A/X:ANIYT/O75W00 22)"74L.EH (F&F80H B.:NFYF73HW. B.EN-?Y:HOWYFDF92(W:/L/OW-\$"73M B.I/\$:LO\$F71H HA/G.IB.ORI75YM00 23 MIN-HA/\$:LO\$174YM NIK:B.F80D W:/)EL-?HA/\$:LO\$F73H LO)-BF92) WA/Y:&IM/"71HW. DFWI73D)EL-MI\$MA:(T./O75W00 24 (:A&FH-?"71L):AXI75Y-YOW)F73B B.A/\$:LO\$192YM)EL:XFN71N B.EN-D.ODO73W B."71YT LF75XEM00 25 \$AM.FH03? HA75/X:ARODI80Y):ELIYQF73) HA/X:ARODI75Y00 26 10XELEC HA/P.AL:+I80Y (IYRF71) BEN-(IQ."73\$? HA/T.:QOW(I75Y00 27):ABIY(E33ZER03 HF75/(AN.:TOTI80Y M:BUN.A73Y HA/XU\$FTI75Y00 28 CAL:MOWN03 HF75):AXOXI80Y MAH:RA73Y HA/N.:+OPFTI75Y00 29 X"71LEB B.E75N-B.A:(ANF73H HA/N.:+OPFTI92Y?)IT.AY03 B.EN-RIYBA80Y MI/G.IB:(A73T B.:N"71Y BIN:YFMI75N00 30 B.:NFYF33HW.03 P.IR:(F74TONI80Y? HID.A73Y MI/N.A71X:AL"Y GF75(A\$00 31):ABI75Y-(AL:BOWN03 HF75/(AR:BFTI80Y (AZ:MF73WET HA/B.AR:XUMI75Y00? 32)EL:YAX:B.F)03)EL:YAX:B.F)03 HA/\$.A74(AL:BONI80Y HA/\$.A74(AL:BONI80Y YF\$"73N B.:N"Y Y:HOWNFTF75N00

YF\$73N Y:HOWNFTF75N00³³ \$AM.FH03? HA75/H:ARFRI80Y):AXIY)F71M
 B.EN-\$FRF73R HF)RFRI75Y00³⁴):ELIYPE71LE+):ELIYPE71LE+
 B.EN-B.EN-):AXAS:B.A73Y?):AXAS:B.A73Y? B.EN-B.EN-HA/M.A75(:AKFTI92Y
 HA/M.A75(:AKFTI92Y):ELIY(F71M SJ3 B.EN-):ELIY(F71M):AXIYTO73PEL
 B.EN-HA/G.ILONI75Y00):AXIYTO73PEL HA/G.ILONI75Y00³⁵ **XEC:RAY03
 HA75/K.AR:M:LI80Y? P.A(:ARA73Y HF)AR:B.I75Y00³⁶ YIG:)F70L YIG:)F70L
 B.EN-B.EN-NFTFN03 NFTFN03 MI/C.OBF80H MI/C.OBF80H B.FNI73Y SJ3
 HA/G.FDI75Y00 B.FNI73Y HA/G.FDI75Y00³⁷ CE73LEQ HF/(AM.ONI92Y NAX:RAY03
 HA/B.):74ROTI80Y **NO&"85) K.:L"73Y YOW)F71B B.EN-C:RUYF75H00? ³⁸ (IYRF)03
 HA/Y.IT:RI80Y G.FR"73B HA/Y.IT:RI75Y00³⁹)75W.RIY.FH03 HA75/XIT.I80Y K.O73L?
 \$:LO\$171YM W:\$IB:(F75H00 **24**¹ WA/Y.O33SEP03)AP-Y:HWF80H LA/X:ARO73WT
 B.:YI&:RF)"92L WA/Y.F63SET)ET-D.FWI70D B./FHEM03? L")MO80R L"91K: M:N"71H
)ET-YI&:RF)"73L W:)/ET-Y:HW.DF75H00² WA/Y.O63)MER HA/M.E61LEK:
)EL-YOW)F74B05? &AR-HA/XA74YIL):A\$ER-)IT./O81W \$75W.+ -NF62)
 B.:/KFL-\$IB:+"70Y YI&:RF)"L03 MI/D.FN03 W:/(AD-B.):"74R? \$E80BA(W./PIQ:D73W.
)ET-HF/(F92M W:/YF74DA(:T.I80Y)"73T MIS:P.A71R HF/(F75M00³ WA/Y.O63)MER?
 YOW)F61B)EL-HA/M.E81LEK: W:/YOWS"74P Y:HWFH04):ELOHE63Y/KF)EL-HF/(F61M
 K./FH"70M05 W:/K/FH"M03 M)"F74H? P:(FMI80YM W:/"YN"71Y
):ADON/I75Y-HA/M.E73LEK: RO)O92WT WA)/DON/I74Y HA/M.E80LEK: LF71/M.FH
 XFP"73C B.A/D.FBF71R? HA/Z.E75H00⁴ WA/Y.EX:EZA70Q D.:BAR-HA/M.E33LEK:03
)EL-YOW)F80B W:/(A73L &FR"74Y HE/XF92YIL WA/Y."C"63) YOW)F61B? W:/&FR"70Y
 HA/XA33YIL03 LI/P:N"74Y HA/M.E80LEK: LI/P:QO71D)ET-HF/(F73M
)ET-YI&:RF)"75L00⁵ WA/Y.A(AB:R73W.?)ET-HA/Y.AR:D."92N WA/Y.AX:AN74W.
 BA/(:AROW("81R Y:MI71YN HF/(I91YR):A\$E91R B.:TOWK:-HA/N.A71XAL HA/G.F73D?
 W:)/EL-YA(:Z"75R00⁶ WA/Y.FBO33)W.03 HA/G.IL:(F80D/FH W:)/EL-)E71REC
 T.AX:T.I73YM XFD:\$I92Y WA/Y.FBO33)W.03? D.F74N/FH Y.A80(AN W:/SFB173YB
)EL-CIYDO75WN00⁷ WA/Y.FBO63)W. WA/Y.FBO63)W. -MIB:CAR-W:/KFL-CO80R
 (FR"71Y W:/KFL-HA/XIW.I73Y? (FR"71Y W:/HA75/K.:NA(:ANI92Y HA/XIW.I73Y?
 WA/Y."75C:91W. W:/HA75/K.:NA(:ANI92Y)EL-WA/Y."75C:91W. NE71GEB
)EL-Y:HW.DF73H NE71GEB B.):"71R Y:HW.DF73H \$F75BA(00 B.):"71R \$F75BA(00
⁸ WA/Y.F\$U73+W. B.:/KFL-HF/)F92REC? WA/Y.FBO61)W. MI/Q:C"63H TI\$:(F94H
 X:FDF\$I91YM W:/(E&:RI71YM YO73WM Y:RW.\$FLF75IM00⁹ WA/Y.IT."71N YOW)F91B?
)ET-MIS:P.A71R MIP:QAD-HF/(F73M)EL-HA/M.E92LEK: WA/T.:HI74Y YI&:RF)"83L
 \$:MONEH04 M")O63WT)E70LEP?)I75Y\$-XA33YIL03 \$O74L"75P XE80REB W:)/I74Y\$
 Y:HW.DF80H X:AM"\$-M")O71WT)E73LEP)I75Y\$00¹⁰ WA/Y.A70K:? L"B-D.FWID03
)OT/O80W)AX:AR"Y-K"73N SFPA74R)ET-HF/(F92M WA/Y.O63)MER D.FWI61D
)EL-?Y:HWF81H XF+F70)TIY M:)OD03):A\$E74R (F&I80YTIY W:/(AT.F74H Y:HWF80H
 HA75(:ABER-NF)03)ET-(:AWO74N? (AB:D.:KF80 K.I71Y NIS:K.A73L:T.IY M:)O75D00
¹¹ WA/Y.F71QFM D.FWI73D B.A/B.O92QER W:/D:BAR-?Y:HWF81H HFYFH03)EL-G.F74D
 HA/N.FBI80Y) XOZ"71H DFWI73D L")MO75R00¹² HFLO62WK: W:/DIB.AR:T.F74
)EL-?D.FWI81D 10K.OH)FMA74R Y:HWF80H \$FLO85\$)FNOKI73Y NOW+"74L
 (FLE92Y/KF B.:XAR-L:/KF71)A75XAT-M"/HE73M? W:)/E75(:E&EH-L./F75K:00
¹³ WA/Y.FBO)-WA/Y.FBO)-GF71D GF71D)EL-)EL-D.FWI73D D.FWI73D
 WA/Y.AG.ED-WA/Y.AG.ED-L/O92W L/O92W WA/Y.O74)MER WA/Y.O74)MER L/O83W
 L/O83W H:A/TFBO74W H:A/TFBO74W L:/KF74? L:/KF74? \$FNI74YM05 \$E75BA(
 RF(F74B05 \$FNI74YM05 B.:)AR:C/E83KF RF(F74B05)IM-B.:)AR:C/E83KF \$LO\$F74H
)IM-14X:FDF\$IYM \$:LO\$F74H NUS:/KF03 14X:FDF\$IYM LI/P:N"75Y-NUS:/KF03
 CFRE61Y/KF? LI/P:N"75Y-W:/H74W.) CFRE61Y/KF? ROD:P/E81KF W:/H74W.)
 W:)/IM-ROD:P/E81KF 14H:EYOWT W:)/IM-\$:LO63\$ET 14H:EYOWT YFMI71YM
 \$:LO63\$ET D.E33BER03 YFMI71YM B.:)AR:C/E80KF D.E33BER03 (AT.FH03
 B.:)AR:C/E80KF D.A74((AT.FH03 W:/R:)"80H? D.A74(MFH-W:/R:)"80H?)F\$171YB
 MFH-\$OL:X/I73Y)F\$171YB D.FBF75R00 \$OL:X/I73Y D.FBF75R00¹⁴ WA/Y.O94)MER
 D.FWI91D)EL-G.F73D CAR-L/I74Y M:)O92D? NIP.:LFH-N.F70) B:/YAD-Y:HWFH03
 K.I75Y-RAB.I74YM **RA75X:AMF80Y/W W:/B:/YAD-)FDF73M)AL-)EP.O75LFH00
¹⁵ WA/Y.IT."63N? Y:HWF71H D.E33BER03 B.:YI&:RF)"80L M"/HA/B.O73QER
 W:/(AD-("74T MOW("92D WA/Y.F74MFT MIN-HF/(F81M MI/D.FN03? W:/(AD-B.):"74R
 \$E80BA(\$IB:(I71YM)E73LEP)I75Y\$00¹⁶ WA/Y.\$:LAX04 YFD/O63W HA/M.AL:)F71K:05

Y:R75W.\$FLAIM02? L:\$AX:AT/FH.01 WA/Y.IN.F70XEM Y:HWFH03)EL-HF74/RF(F80H
 14WA/Y.O)MER LA/M.AL:)F62K: HA/M.A\$:XI70YT B.F/(FM03? RA80B (AT.F73H
 HE74REP YFD/E92KF W./MAL:)A70K: Y:HWFH03 HFYF80H (IM-G.O73REN
 **HF/):ARA71W:NFH HA/Y:BUSI75Y00? ¹⁷ WA/Y.O)MER04 D.FWI63D)EL-Y:HWF61H
 B.I/R:)OT/O74W05)E75T-HA/M.AL:)F74K:05 HA/M.AK.E74H? BF/(F81M
 WA/Y.O33)MER03 HIN."63H)FNOKI70Y XF+F33)TIY03 W:/)FNOKI74Y HE(:EW"80YTIY
 W:/)"71L.EH HA/C.O73)N ME74H (F&92W.? T.:HI63Y NF71) YFD/:KF91 B./I73Y
 W./B:/B"71YT)FB/I75Y00 ¹⁸ WA/Y.FBO)-GF71D)EL-D.FWI73D B.A/Y.O74WM?
 HA/H92W.) WA/Y.O74)MER L/O81W (:AL"H03 HFQ"70M LA75/YHWFH03 MIZ:B."80XA
 B.:/GO73REN **):ARA71W:NFH HA/Y:BUSI75Y00? ¹⁹ WA/Y.A70(AL D.FWID03
 K.I/D:BAR-G.F80D K.A):A\$E73R CIW.F71H Y:HWF75H00 ²⁰ WA/Y.A\$:Q"74P
):ARA81W:NFH WA/Y.A70R:)?)ET-HA/M.E33LEK:03 W:/)ET-(ABFDF80Y/W (OB:RI73YM
 (FLF92Y/W WA/Y."C"74)):ARA80W:NFH WA/Y.I\$:T.A94XW. LA/M.E91LEK:?
)AP.F73Y/W)F75R:C/FH00 ²¹ WA/Y.O74)MER):ARA80W:NFH MAD.91W.(A B.F71)
):ADON/I75Y-HA/M.E73LEK:)EL-(AB:D./O92W? WA/Y.O63)MER D.FWI61D
 LI/Q:NO94WT M"/(IM./:KF74)ET-HA/G.O81REN LI/B:NO70WT MIZ:B."33XA03
 LA75/YHWF80H W:/T"(FCA71R? HA/M.AG."PF73H M"/(A71L HF/(F75M00
²² WA/Y.O70)MER):ARA33W:NFH03)EL-D.FWI80D YIQ.A71X W:/YA91(AL
):ADON/I71Y? HA/M.E73LEK: HA/+.O74WB **B.:("YNF92Y/W R:)"H03 HA/B.FQF74R
 LF/(OLF80H W:/HA/M.ORIG.I91YM W./K:L"71Y HA/B.FQF73R? LF/("CI75YM00
²³ HA/K.O81L NFTA91N):ARA71W:NFH HA/M.E73LEK: LA/M.E92LEK: WA/Y.O70)MER
):ARA33W:NFH03?)EL-HA/M.E80LEK: Y:HWF71H):ELOHE73Y/KF YIR:C/E75KF00
²⁴ WA/Y.O63)MER WA/Y.O63)MER HA/M.E61LEK: HA/M.E61LEK:
)EL-)EL-):ARA81W:NFH):ARA81W:NFH B.I/M:XI80YR LO70)? W:/LO94)
 K.I75Y-)A(:ALE91H QFN/O63W LA/YHWF71H)EQ:NE70H):ELOHA73Y
 M"/O75WT/:KF03 (OLO74WT? B.I/M:XI80YR XIN.F92M W:/LO94) WA/Y.I63QEN
)A(:ALE91H D.FWI70D LA/YHWF71H)ET-):ELOHA73Y HA/G.O33REN03 (OLO74WT?
 W:/)ET-XIN.F92M HA/B.FQF80R WA/Y.I63QEN B.:/KE73SEP D.FWI70D \$:QFLI71YM
)ET-X:AMIS.I75YM00 HA/G.O33REN03 W:/)ET-HA/B.FQF80R B.:/KE73SEP \$:QFLI71YM
 X:AMIS.I75YM00 ²⁵ WA/Y.IBEN04? \$F63M D.FWI70D MIZ:B."33XA03 LA75/YHWF80H
 WA/Y.A71(AL (OLO73WT W./\$:LFMI92YM WA/Y."(FT"70R Y:HWFH03 LF/)F80REC?
 WA/T."(FCA71R HA/M.AG."PF73H M"/(A71L YI&:RF)"75L00?

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