

The TanakhML Project

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Biblia Hebraica Stuttgartensia
Isaiah 11-50

11 ¹ W:/YFCF71) XO73+ER MI/G."74ZA(YI\$F92Y W:/N"73CER MI/\$.FRF\$F71Y/W YIP:RE75H00? ² W:/NFXF71H (FLF73Y/W R74W.XA Y:HWF92H R94W.XA XFK:MF74H W:/BIYNF81H? R70W.XA ("CFH03 W:/G:BW.RF80H R71W.XA D.A73(AT W:/YIR:)A71T Y:HWF75H00? ³ WA/H:ARIYX/O73W B.:YIR:)A74T Y:HWF92H? W:/LO75)-L:/MAR:)"70H ("YNFY/W03 YI\$:P.O80W+ W:/LO75)-L:/MI\$:MA71()FZ:N73Y/W YOWKI75YXA00? ⁴ W:/\$FPA70+ B.:/CE33DEQ03 D.AL.I80YM W:/HOWKI71YXA B.:/MIY\$O73WR L:/ (AN:W"Y-)F92REC? W:/HI75K.FH-)E33REC03 B.:/"74BE+ P.I80Y/W W:/B:/R71W.XA &:PFTF73Y/W YFMI71YT RF\$F75(00? ⁵ W:/HF71YFH CE73DEQ)"ZO74WR MFT:N73Y/W W:/HF/):EMW.NF73H)"ZO71WR X:ALFCF75Y/W00? ⁶ W:/GF70R Z:)"B03 (IM-K.E80BE& W:/NFM"73R (IM-G.:DI74Y YIR:B.F92C? W:/("63GEL W:/K:PI70YR W:/M:RIY)03 YAX:D.F80W W:/NA71(AR QF+O73N NOH"71G B:/F75M00? ⁷ W:/PFRF70H WF/DOB03 T.IR:(E80YNFH YAX:D.F73W YIR:B.:C74W. YAL:D"Y/HE92N? W:/)AR:Y"73H K.A/B.FQF71R YO75)KAL-T.E75BEN00 ⁸ W:/I75(:A\$A71(YOWN"73Q (AL-XU74R P.F92TEN? W:/ (AL03 M:)W.RA74T CIP:(OWNI80Y G.FM73W.L YFD/O71W HFDF75H00? ⁹ LO75)-YFR"71(W. W:/LO75)-YA\$:XI73YTW. B.:/KFL-HA74R QFD:\$/I92Y? K.I75Y-MFL:)"F74H HF/)"F81REC D."(FH03)ET-Y:HWF80H K.A/M.A73YIM LA/Y.F71M M:KAS.I75YM00 ¹⁰ W:/HFYFH03 B.A/Y.O74WM HA/H80W.) \$O74RE\$ YI\$A81Y):A\$E70R (OM"D03 L:/N"74S (AM.I80YM?)"LF73Y/W G.OWYI74M YID:RO92\$W. W:/HFY:TF71H M:NUXFT/O73W K.FBO75WD00 ¹¹ W:/HFYF74H05 B.A/Y.O74WM HA/H81W.) YOWSI63YP):ADONF70Y05 \$"NIYT03 YFD/O80W? LI/Q:NO73WT)ET-):)"F74R (AM./O92W):A\$E74R YI\$.F)"R04 M")A\$.63W.R W:/MI/M.IC:RA61YIM? W:/MI/P.AT:RO74WS W:/MI/K.81W.\$ W:/M"/("YLF70M W:/MI/M.IC:RA61YIM? (RO3 W:/M"74/X:AMF80T W:/M")IY."73Y HA/Y.F75M00? ¹² W:/NF&F71) N"S03 LA/G.OWYI80M W:/)FSA73P NID:X"74Y YI&:RF)"92L? W:/N:PUCO70WT Y:HW.DFH03 Y:QAB."80C M")AR:B.A73(K.AN:PO71WT HF/)"F75REC00? ¹³ W:/SF33RFH03 QIN:)A74T)EP:RA80YIM W:/COR:R"71Y Y:HW.DF73H YIK.FR"92TW.?)EP:RA33YIM03 LO75)-Y:QAN."74))ET-Y:HW.DF80H WI75/YHW.DF73H LO75)-YFCO71R)ET-)EP:RF75YIM00? ¹⁴ W:/ (FP63W. B:/KFT"70P P.:LI\$:T.IYM03 YF80M/FH YAX:D.F73W YFBO74Z.W.)ET-B.:N"Y-QE92DEM?):EDO70WM W:/MOW)FB03 MI\$:LO74WXJ1 YFD/F80M W:/B:N"71Y (AM.O73WN MI\$:MA(:T./F75M00? ¹⁵ W:/HEX:ERI74YM Y:HWF81H 10)"T L:\$O74WN YFM-MIC:RA80YIM W:/H"NI71YP YFD/O91W (AL-HA/N.FHF73R? B.A/(:YF74M RW.X/O92W? W:/HIK./F33HW.03 L:/SIB:(F74H N:XFLI80YM W:/HID:RI73YK: B.A/N.: (FLI75YM00? ¹⁶ W:/HFY:TF74H M:SIL.F80H LI/):)"F74R (AM./O80W):A\$E71R YI\$.F)"73R M"75/)A\$.92W.R? K.A/):A\$E70R HF75Y:TFH03 L:/YI&:RF)"80L B.:/YO71WM (:ALOT/O73W M")E71REC MIC:RF75YIM00?

12 ¹ W:/)F75MAR:T.F03 B.A/Y.O74WM HA/H80W.)?)OWD:/KF74 Y:HWF80H K.I71Y)FNA73P:T.F B./I92Y YF\$O71B)AP.:KF73 W.95/T:NAX:AM/"75NIY00? ² HIN."63H)"94L Y:\$W.(FT/I91Y)EB:+A73X W:/LO74))EP:XF92D? K.I75Y-(FZ./I70Y W:/ZIM:RFT03 YF74H. Y:HWF80H WA75/Y:HIY-L/I73Y LI75/Y\$W.(F75H00? ³ W:/S:)AB:T.EM-MA73YIM B.:&F&O92WN MI/M.A(AY:N"73Y HA/Y:\$W.(F75H00? ⁴ WA/):AMAR:T.E62M B.A/Y.O74WM HA/H81W.) HOWD70W. LA75/YHWFH03 QIR:)74W. BI/\$:M/O80W? HOWDI71Y(W. BF75/(AM.I73YM (:ALI75YLOTF92Y/W HAZ:K.I85YRW. K.I71Y NI&:G.F73B \$:M/O75W00? ⁵ ZAM.:R74W. Y:HWF80H K.I71Y G")73W.T (F&F92H **MW.DA71(AT ZO73)T B.:/KFL-HF/)"F75REC00? ⁶ CAH:ALI71Y WF/RO73N.IY YOW\$E74BET CIY.O92WN K.I75Y-GFDO71WL B.:/QIR:B./"73K: Q:DO71W\$ YI&:RF)"75L00 **13** ¹ MA&.F73) B.FBE92L):A\$E74R XFZF80H Y:\$A(:YF73HW. B.EN-)FMO75WC00? ² (A70L HAR-NI\$:P.EH03 &:75)W.-N"80S HFRI71YMW. QO73WL L/FHE92M? HFNI74YPW. YF80D W:/YFBO73)W. P.IT:X"71Y N:DIYBI75YM00? ³):ANI71Y CIW."73YTIY LI/M:QUD.F\$/F92Y? G.A74M QFRF70)TIY GIB.OWR/AY03 L:/)AP./I80Y (AL.IYZ"73Y G.A):AWFT/I75Y00? ⁴ QO71WL HFMO91WN B.E75/HFRI73YM D.:M74W.T (AM-RF92B? ¹⁴QOWL \$:)O62WN MAM:L.KO70WT G.OWYIM03 NE75):ESFPI80YM? Y:HWF74H C:BF)O80WT M:PAQ."73D C:BF71) MIL:XFMF75H00? ⁵ B.F)I91YM M")E71REC MER:XF73Q MI/Q:C"74H HA/\$.FMF92YIM? Y:HWFH03 W:/K:L"74Y ZA(:M/O80W L:/XAB."73L K.FL-HF/)"F75REC00? ⁶ H"YLI85YLW. K.I71Y QFRO73WB YO74WM Y:HWF92H K.:/O73D MI/\$.AD.A71Y YFBO75W)00? ⁷ (AL-K."73N K.FL-YFDA74YIM T.IR:P.E92YNFH W:/KFL-L:BA71B):ENO73W\$ YIM.F75S00J3 ⁸ W:/75/NIB:HF65LW.05? CIYRI70YM WA75/X:ABFLIYM03 YO75)X"Z80W.N

K.A/Y.OWL"DF73H Y:XIYL92W.N?)I70Y\$)EL-R"/("33HW.03 YIT:MF80HW. P.:N"71Y L:HFBI73YM P.:N"Y/HE75M00? 9 HIN."70H YOWM-Y:HWFH03 B.F80))AK:ZFRI71Y W:/(EB:RF73H WA/X:ARO74WN)F92P? LF/&70W.M HF)/F33REC03 L:/\$AM.F80H W:/XA+.F)E73Y/HF YA\$:MI71YD MI/M./E75N.FH00? 10 K.I75Y-KOWK:B"70Y HA/\$.FMA33YIM03 W./K:SI74YL"Y/HE80M LO71) YFH"73L.W.)OWR/F92M? XFA70K: HA/\$.E33ME\$03 B.:C")T/O80W W:/YFR"73XA LO75)-YAG.I71YHA)OWR/O95W00? 11 W./PFQAD:T.I70Y (AL-T."B"L03 RF(F80H W:/(AL-R:\$F(I73YM (:AWON/F92M? W:/HI\$:B.AT.IY03 G.:O74WN Z"DI80YM W:/GA):AWA71T (FRIYCI73YM)A\$:P.I75YL00? 12)OWQI71YR):ENO73W\$ MI/P.F92Z W:/FDF73M MI/K.E71TEM)OWPI75YR00? 13 (AL-K."N03 \$FMA74YIM)AR:G.I80YZ W:/TIR:(A71\$ HF)/F73REC MI/M.:QOWM/F92H.? B.:/(EB:RAT03 Y:HWF74H C:BF)O80WT W:/B:/YO73WM X:ARO71WN)AP./O75W00? 14 W:/HFYFH03 K.I/C:BI74Y MUD.F80X W:/K:/CO73)N W:/)74YN M:QAB."92C?)I70Y\$)EL-(AM./OW03 YIP:N80W. W:/)I71Y\$)EL-)AR:C/O73W YFN75W.SW.00? 15 K.FL-HA/N.IM:CF73) YID.FQ"92R W:/KFL-HA/N.IS:P.E73H YIP.O71WL B.E/XF75REB00? 16 W:/(OL:L"Y/HE71M Y:RU+.:\$73W. L:/("75YN"Y/HE92M? YI\$.A33S.W.03 B.F75T."Y/HE80M W./N:\$"Y/HE73M **T.I\$.FKA75B:NFH00? 17 HIN:/NI91Y M"(I71YR (:AL"Y/HE73M)ET-MFDF92Y?):A\$ER-K.E33SEP03 LO74) YAX:\$O80BW. W:/ZFH73B LO71) YAX:P.CW.-B/O75W00? 18 W:/Q:\$FTO73WT N:(FRI74YM T.:RA+.A92\$:NFH? W:/P:RIY-BE33+EN03 LO74) Y:RAX"80MW. (AL-B.FNI73YM LO75)-TFX71W.S ("YN/F75M00? 19 W:/HFY:TF70H BFBEL03 C:BI74Y MAM:LFKO80WT T.IP:)E73RET G.:O74WN K.A&:D.I92YM? K.:MAH:P."KA74T):ELOHI80YM)ET-S:DO73M W:/)ET-(:AMORF75H00? 20 LO75)-T"\$74B LF/NE80CAX W:/LO71) TI\$:K.O73N (AD-D.O74WR WF/DO92WR? W:/LO75)-YAH"71L \$FM03 (:ARFBI80Y W:/RO(I73YM LO)-YAR:B.I71CW. \$F75M00? 21 W:/RFB:W.-\$F74M CIY.I80YM W:/MFL:)71W. BFT."Y/HE73M)OXI92YM? W:/\$F70K:NW. \$FM03 B.:NO74WT YA75(:ANF80H W:/&:(IYRI73YM Y:RAQ.:DW.-\$F75M00? 22 W:/(FNF70H)IY.IYM03 B.:/)AL:M:NOWTF80Y/W]2 W:/TAN.I73YM B.:H"74YK:L"Y (O92NEG? W:/QFRO70WB LF/BOW)03 (IT./F80H. W:/YFME73Y/HF LO71) YIM.F\$75KW.00? 14 K.IY04 Y:RAX"63M Y:HWF61H)E75T-YA(:AQO81B W:/BFXA71R (OWD03 B.:/YI&:RF)"80L W:/HIN.IYX/F73M (AL-?)AD:MFT/F92M W:/NIL:WF70H HA/G."R03 (:AL"Y/HE80M W:/NIS:P.:X73W. (AL-B."71YT YA(:AQO75B00 2 W:/L:QFX74W./M (AM.IYM02? WE/H:EBIY)74W./M)EL-M:QOWM/FM01 W:/HI75T:NAX:AL74W./M B."75YT-YI&:RF)"81L 10(AL)AD:MA74T Y:HWF80H? LA/(:ABFDI73YM W:/LI/\$:PFXO92WT W:/HFYW.03 \$OBI74YM L:/O75B"Y/HE80M W:/RFD73W. B.:/NOG:&"Y/HE75M00 3 W:/HFYF81H? B.:YO63WM HFNI70YXA Y:HWFH03 L:/KF80 M"75/(FC.B.:KF73 W./M"/RFG:Z/E92KF W:/MIN-HF/(:ABODF71H HA/Q.F\$F73H):A\$E71R? (UB.AD-B./F75K:00 4 W:/NF&F61)TF HA/M.F\$F71L HA/Z.E91H (AL-ME71LEK: B.FBE73L W:/)FMF92R:T.F? 10)"YK: \$FBA74T NOG"80& \$FB:TF73H MAD:H"BF75H00? 5 \$FBA71R Y:HWF73H MA+."74H R:\$F(I92YM \$"73BE+ MO\$:LI75YM00? 6 MAK.E70H (AM.IYM03 B.:/(EB:RF80H MAK.A73T B.IL:T.I74Y SFRF92H? RODE70H BF)AP03 G.OWYI80M MUR:D.F73P B.:LI71Y XF&F75K:00? 7 NF71XFH \$FQ:+F73H K.FL-HF)/F92REC P.FC:X73W. RIN.F75H00? 8 G.AM-B.:ROW\$I91YM &FM:X71W. L:/KF73)AR:Z"74Y L:BFNO92WN?J3 M")F74Z \$FKA80B:T.F LO75)-YA(:ALE71H HA/K.OR"73T (FL"75Y/NW.00? 9 \$:)O81WL MI/T.A91XAT RFG:ZF71H L:/KF73 LI/Q:RA74)T B.OW)/E92KF? (OWR"63R L:/KF70 R:PF)IYM03 K.FL-(AT.74W.D"Y)F80REC? H"QIYM03 MI/K.IS:)OWT/F80M K.O73L MAL:K"71Y GOWYI75M00? 10 K.UF/F74M YA75(:AN80W. W:/YO)M:R73W.)"LE92Y/KF? G.AM-)AT.F91H XUL."71YTF KFMO73W/NW.)"L"71Y/NW. NIM:\$F75L:T.F00? 11 HW.RA71D \$:)O91WL G:)OWN/E73KF HEM:YA74T N:BFLE92Y/KF? T.AX:T.E33Y/KF03 YUC.A74(RIM.F80H W:/M:KAS.E73Y/KF T.OWL"(F75H00? 12)"91YK: NFPA71L:T.F MI/\$.FMA73YIM H"YL"74L B.EN-\$F92XAR? NIG:D.A74(:T.F LF)/F80REC XOWL"73\$ (AL-G.OWYI75M00? 13 W:/)AT.F62H)FMA70R:T.F BI75/L:BFB:/KF03 HA/\$.FMA74YIM)E75(:ELE80H? MI/M.A71(AL L:/KO75WK:B"Y-)"73L)FRI74YM K.IS:)I92Y? W:/)"\$71B B.:/HAR-MOW("73D B.:YAR:K.:T"71Y CFPO75WN00? 14)E(:ELE73H (AL-B.F74M:FT"Y (F92B)ED.AM.E73H L:/EL:YO75WN00? 15)A94K:)EL-\$:)O91WL T.W.RF73D)EL-YAR:K.:T"Y-BO75WR00? 16 RO)E33Y/KF03)"LE74Y/KF YA\$:G.I80YXW.)"LE73Y/KF YIT:B.OWNF92NW.? H:A/ZE70H HF)/IY\$03 MAR:G.I74YZ HF)/F80REC MAR:(I73Y\$ MAM:LFKO75WT00? 17 &F71M T."B"91L K.A/M.ID:B.F73R W:/(FRF74Y/W HFRF92S?

):ASIYRF73Y/W LO)-PF71TAX B.F75Y:T/FH00 ¹⁸ K.FL-MAL:K"71Y GOWYI73M?
 K.UL./F92M \$FK:B71W. B:/KFBO73WD)I71Y\$ B.:B"YT/O75W00? ¹⁹ W:/)AT.F62H
 HF\$:LA70K:T.F MI75/Q.IB:R:/KF03 K.:N"74CER NIT:(F80B? L:B71W.\$ H:ARUGI73YM
 M:+O74(:AN"Y XF92REB YOWR:D"71Y)EL-)AB:N"Y-BO73WR K.:PE71GER?
 MW.BF75S00? ²⁰ LO75)-T"XA70D)IT./FM03 B.I/Q:BW.RF80H? K.I75Y-)AR:C:/KF71
 \$IXA73T.F (AM./:KF74 HFRF92G:T.F? LO75)-YIQ.FR"71) L:/(OWLF73M ZE71RA(
 M:R"(I75YM00? ²¹ HFKI94YNW. L:/BFNF91Y/W MA+:B."73XA B.A/(:AWO74N
):ABOWT/F92M? B.AL-YFQU33MW.03 W:/YF74R:\$W.)F80REC W./MFL:)71W.
 P:N"75Y-T"B"73L (FRI75YM00? ²² W:/QAM:T.I74Y (:AL"Y/HE80M N:)U73M Y:HWF74H
 C:BF)O92WT? W:/HIK:RAT.I63Y L:/BFBE61L \$"71M W./\$:)F91R W:/NI71YN WF/NE73KED
 N:)UM-Y:HWF75H00? ²³ W:/&AM:T.I91Y/HF L:/MOWRA71\$ QIP.O73D
 W:/)AG:M"Y-MF92YIM? W:/+"75)+")TI33Y/HF03 B.:MA+:):A+"74) HAS:M"80D N:)U73M
 Y:HWF71H C:BF)O75WT00 ²⁴ NI\$:B.A91(Y:HWF71H C:BF)O73WT L"/)MO92R)IM-LO62)?
 K.A):A\$E70R D.IM.I33YTIY03 K."74N HFYF80TFH W:/KA):A\$E71R YF(A73C:T.IY
 HI71Y) TFQ75W.M00? ²⁵ LI/\$:B.O70R)A\$.W.R03 B.:)AR:C/I80Y W:/(:AL-HFR/A73Y
):ABW.S/E92N.W.? W:/SF70R M"75/(:AL"Y/HEM03 (UL./O80W W:/SU63B.:FL/O80W
 M"/(A71L \$IK:M/O73W YFS75W.R00? ²⁶ ZO91)T HF/("CF71H HA/Y.:(W.CF73H
 (AL-K.FL-HF)/F92REC W:/ZO91)T HA/Y.F71D HA/N.:+W.YF73H
 (AL-?K.FL-HA/G.OWYI75M00? ²⁷ K.I75Y-Y:HWF94H C:BF)O91WT YF(F73C W:/MI74Y
 YFP"92R W:/YFD/O71W HA/N.:+W.YF73H W:/MI71Y)3 Y:\$IYB/E75N.FH00
²⁸ B.I/\$:NAT-MO73WT HA/M.E74LEK:)FXF92Z HFYF73H HA/M.A&.F71) HA/Z.E75H00?
²⁹)A75L-T.I&:M:XI70Y P:LE33\$ET03 K.UL./"80K: K.I71Y NI\$:B.A73R \$"74BE+
 MAK./"92K: K.I75Y-MI/\$.O70RE\$ NFXF\$03 Y"74C") CE80PA(W:/PIR:Y/O73W &FRF71P
 M:(OWP"75P00? ³⁰ W:/RF(W.03 B.:KOWR"74Y DAL.I80YM W:/)EB:YOWNI73YM
 LF/BE74+AX YIR:B.F92CW.? W:/H"MAT.I70Y BF75/RF(FB03 \$FR:/"80K:
 W./\$:) "RIYT/"73K: YAH:ARO75G00? ³¹ H"YLI70YLI75Y \$A33(AR03 ZA75(:AQIY-(I80YR
 NFMO73WG P.:LE74\$ET K.UL./"92K: K.I70Y MI/C.FPOWN03 (F\$F74N B.F80) W:/)"71YN
 B.OWD"73D B.:MOW(FDF75Y/W00? ³² W:/MA75H-Y.A(:ANE73H MAL:):AK"Y-GO92WY?
 K.I70Y Y:HWFH03 YIS.A74D CIY.O80WN W:/B/F71H. YEX:ES73W. (:ANIY."71Y
 (AM./O75W00 ¹⁵ ₁ MA&.F73) MOW)F92B? 14K.IY B.:L"62YL \$UD.A63D (F70R
 MOW)FB03 NID:MF80H? K.I81Y B.:L"91YL \$UD.A71D QIYR-MOW)F73B NID:MF75H00?
² (FLF63H HA/B.A94YIT W:/DIYBO91N HA/B.FMO73WT L:/BE92KIY? (AL-N:BO62W
 W:/(A70L M"75YD:BF)03 MOW)F74B Y:Y"LI80YL? B.:/KFL-RO)\$F74Y/W QFR:XF80H
 K.FL-ZFQF73N G.:RW.(F75H00? ³ B.:XW.COTF73Y/W XF74G:RW. &F92Q (A74L
 G.AG.OWTE94Y/HF? W:/BI/R:XOBOTE91Y/HF K.UL.O71H Y:Y"LI73YL YOR"71D
 B.A/B.E75KIY00? ⁴ WA/T.IZ:(A70Q XE\$:B.OWN03 W:/)EL:(FL"80H (AD-YA73HAC
 NI\$:MA74(QOWL/F92M? (AL-K."81N X:ALUC"70Y MOW)FB03 YFRI80Y(W.
 NAP:\$O73W YF71R:(FH L./O75W00? ⁵ LIB./IY03 L:/MOW)F74B YIZ:(F80Q B.:RIYX/E85HF
 (AD-CO73(AR (EG:LA74T \$:LI\$Y.F92H? K.I74Y05 MA(:AL"74H HA/L.W.XI81YT
 B.I/B:KIY03 YA75(:ALEH-B./O80W? 10K.IY D.E74REK: XOWRONA80YIM
 ZA(:AQAT-\$E73BER Y:(O("75RW.00? ⁶ K.I75Y-M"71Y NIM:RI73YM M:\$AM.O74WT
 YI75H:Y92W.? K.I75Y-YFB"70\$ XFCIYR03 K.F74LFH DE80\$E) YE73REQ LO71)
 HFYF75H00? ⁷ (AL-K."73N YIT:RF74H (F&F92H W:/P:QUD.FT/F80M? (A91L NA71XAL
 HF/(:ARFBI73YM YI&.F)75W./M00? ⁸ K.I75Y-HIQ.I71YPFH HA/Z.: (FQF73H)ET-G.:B74W.L
 MOW)F92B? (AD-)EG:LA33YIM03 YIL:LFT/F80H. W:/B:) "YLI73YM
 YIL:LFT/F75H.00? ⁹ K.I74Y M"70Y DIYMOWN03 MF74L:)W. DF80M K.I75Y-)F\$I71YT
 (AL-D.IYMO73WN NOWSFPO92WT? LI/P:L"Y+A70T MOW)FB03)AR:Y"80H
 W:/LI/\$:) "RI73YT):ADFMF75H00? ¹⁶ ₁ \$IL:XW.-KA71R MO\$"75L-)E73REC? MI/S.E74LA(
 MID:B.F92R/FH)EL-HA73R B.AT-CIY.O75WN00? ² W:/HFYF71H K:/(:OWP-NOWD"73D
 Q"74N M:\$UL.F92X? T.I75H:YE33YNFH03 B.:NO74WT MOW)F80B MA(:B.FRO73T
 L:/)AR:NO75WN00? ³ **HFB70Y)IY ("CFH03 (:A&74W. P:LIYLF80H? \$I94YTIY
 KA/L.A91YIL CIL./"73K: B.:TO74WK: CFH:FRF92YIM? SAT:RIY03 NID.FXI80YM
 NOD"73D)AL-T:GAL.I75Y00? ⁴ YFG70W.RW. B/FK:03 NID.FX/A80Y MOW)F91B?
 H:EWIY-S"71TER L/F73MOW MI/P.:N"74Y \$OWD"92D? K.I75Y-)FP"70S HA/M."C03
 K.F74LFH \$O80D? T.A71M.W. ROM"73S MIN-HF)/F75REC00? ⁵ W:/HW.KA70N
 B.A/XE33SED03 K.IS."80) W:/YF\$A71B (FLF91Y/W B.E:)EME73T B.:)O74HEL
 D.FWI92D? \$OP"91+ W:/DOR"71\$ MI\$:P.F73+ W:/M:HI71R CE75DEQ00? ⁶ \$FMA71(:NW.

G:)OWN-MOW)F73B G."74) M:)O92D? G.A):AWFT/O94W W./G:)OWN/O91W
W:/(EB:RFT/O73W LO)-K"71N B.AD.F75Y/W00 7 LF/K"81N Y:Y"LI71YL MOW)F91B
L:/MOW)F73B K.UL.O74H Y:Y"LI92YL? LA/):A\$Y\$"94Y QIYR-X:ARE91&ET
T.EH:G.73W.)AK:-N:KF)I75YM00? 8 K.I74Y \$AD:MOWT04 XE\$:B.O63WN)UM:LF61L
G.E74PEN &IB:MF81H? B.A:(AL"70Y GOWYIM03 HFL:M74W. &:RW.Q.E80Y/HF?
(AD-YA(:Z"71R NFGF73(W. T.F74(W. MID:B.F92R? \$:LU74XOWTE80Y/HF NI+:\$73W.
(F71B:RW. YF75M00? 9 (AL-K."83N)EB:K.E62H B.I/B:KI70Y YA(:Z"R03 G.E74PEN
&IB:MF80H?):ARAY.F33W/EK:03 D.IM:(FT/I80Y XE\$:B.O73WN W:/)EL:(FL"92H? K.I94Y
(AL-Q"YC/"91K: W:/(AL-Q:CIYR/"73K: H"YDF71D NFPF75L00? 10 W:/NE):ESA63P
&IM:XF70H WF/GIYL03 MIN-HA/K.AR:ME80L W./BA/K.:RFMI71YM LO75)-Y:RUN.F73N
LO74)? Y:RO(F92(? YA81YIN B.A/Y:QFBI91YM LO75)-YID:RO71K: HA/D.OR"73K:
H"YDF71D HI\$:B.A75T.IY00 11 (AL-K."N03 M"/A74Y L:/MOW)F80B K.A/K.IN.O73WR
YE75H:EM92W. W:/QIR:B./I73Y L:/QI71YR XF75RE&00? 12 W:/HFYF94H KI75Y-NIR:)F91H
K.I75Y-NIL:)F71H MOW)F73B (AL-HA/B.FMF92H? W./BF94))EL-MIQ:D.F\$/O91W
L:/HIT:P.AL."73L W:/LO71) YW.KF75L00? 13 ZE74H HA/D.FBF81R):A\$E63R D.IB.E94R
Y:HWF91H)EL-MOW)F73B M"/F75Z00? 14 W:/(AT.F81H D.IB.E74R Y:HWFH02?
L"/)MOR01 B.:\$FLO70\$ \$FNIYM03 K.I/\$:N"74Y &FKI80YR W:/NIQ:LFH03 K.:BO74WD
MOW)F80B B.:KO73L HE/HFMO74WN HF/RF92B? W./\$:)F71R M:(A91+ MIZ:(F73R
LO71W) KAB.I75YR00 17 1 MA&.F73) D.AM.F92&EQ? HIN."70H DAM.E33&EQ03
MW.SF74R M"/(I80YR W:/HFY:TF73H M:(I71Y MAP.FLF75H00? 2 (:AZUBO73WT (FR"74Y
(:ARO"92R? LA/(:ADFRI74YM T.I75H:YE80YNFH W:/RFB:C73W. W:/)71YN
MAX:ARI75YD00? 3 W:/NIS:B.A70T MIB:CFR03 M"75)EP:RA80YIM W./MAM:LKF71H
MI/D.AM.E73&EQ? W./\$:F74R):ARF92M K.I/K:BO70WD B.:N"75Y-YI&:RF)"L03
YI75H:Y80W.? N:)U73M Y:HWF71H C:BF)O75WT00 4 W:/HFYFH03 B.A/Y.O74WM
HA/H80W.)? YID.A73L K.:BO74WD YA(:AQO92B W./MI\$:MA71N B.:&FR/O73W
Y"RFZE75H00? 5 W:/HFYF81H K.E75):ESOP03 QFCI74YR QFMF80H W./Z:RO/(O73W
\$IB.:FLI74YM YIQ:CO92WR? W:/HFYF91H K.I/M:LAQ."71+ \$IB.:FLI73YM B.:("71MEQ
R:PF)I75YM00? 6 W:/NIS:)AR-B./O70W (O75WL"LOT03 K.:NO74QEP ZA80YIT?
\$:NA94YIM \$:LO\$F91H G.AR:G.:RI73YM B.:RO74)\$)FMI92YR)AR:B.F(F74H
X:AMIS.F81H B.I/S:(IPE33Y/HF03? P.O75RIY.F80H? N:)UM-Y:HWF73H):ELOH"71Y
YI&:RF)"75L00 7 B.A/Y.O74WM HA/H80W.) YI\$(E71H HF)/FDF73M (AL-(O&/"92HW.
W:/("YNF85Y/W)EL-Q:DO71W\$ YI&:RF)"73L? T.IR:)E75YNFH00 8 W:/LO74) YI\$(E80H
)EL-HA75/M.IZ:B.:XO73WT MA(:A&:"74H YFDF92Y/W WA):A\$E63R (F&70W.?)
EC:B.: (OTFY/W03 LO74) YIR:)E80H W:/HF):A\$RI73YM W:/HF/XAM.FNI75YM00?
9 B.A/Y.O63WM HA/H61W.) YIH:Y74W.05 (FR"74Y MF(UZ./O81W K.A/(:AZW.BA70T
HA/XO33RE\$03 W:/HF74)FMI80YR?):A\$E74R (FZ:B80W. MI/P:N"73Y B.:N"74Y
YI&:RF)"92L W:/HFY:TF73H \$:MFMF75H00? 10 K.I70Y \$FKA33XAT.:03):ELOH"74Y
YI\$:(/"80K: W:/C71W.R MF(UZ./"73K: LO74) ZFKF92R:T.:? (AL-K."81N T.I+:.(IY03
NI+:("74Y NA(:AMFNI80YM W./Z:MO71RAT ZF73R T.IZ:RF(E75N.W.00? 11 B.:YO70WM
NI+:("K:03 T.:&AG:&"80GIY W./BA/B.O73QER ZAR:(/"74K: T.AP:RI92YXIY? N"71D
QFCI91YR B.:YO71WM NAX:ALF73H W./K:)71B)FN75W.\$00 12 HO81WY H:AMOWN03
(AM.I74YM RAB.I80YM K.A/H:AMO71WT YAM.I73YM YEH:EMFY92W.N? W./\$:)O74WN
L:)UM.I80YM K.I/\$:)O91WN MA71YIM K.AB.IYRI73YM YI\$.F)75W.N00? 13 L:/UM.I81YM
K.I/\$:)O62WN MA70YIM RAB.IYM03 YI\$.F)80W.N? W:/GF71(AR B./O73W W:/NF74S
MI/M.ER:XF92Q? W:/RUD.A81P K.:MO70C HFRIYM03 LI/P:N"Y-R80W.XA
W./K:/GAL:G.A73L LI/P:N"71Y SW.PF75H00? 14 L:/("71T (E33REB03 W:/HIN."74H
BAL.FHF80H B.:+E71REM B.O73QER)"YN/E92N.W.? 10ZEH X"74LEQ \$OWS"80Y/NW.
W:/GOWRF73L L:/BOZ:Z"75Y/NW.00 18 1 HO71WY)E73REC CIL:CA74L K.:NFPF92YIM
):A\$E71R M"/("73BER L:/NA75H:AR"Y-K75W.\$00? 2 HA/\$.OL"63XA B.A/Y.F61M
CIYRI81YM W./BI/K:L"Y-GOME)02 (AL-P.:N"Y-MAYIM01? L:K74W.05 MAL:)FKI74YM
QAL.I81YM)EL-G.OWY03 M:MU\$.F74K: W:/MOWRF80+?)EL-(A71M NOWRF73)
MIN-H74W.) WF/HF92L:)FH 10G.OWY QAW-QF74W W./M:BW.SF80H?
):A\$ER-B.FZ:)71W. N:HFRI73YM)AR:C/O75W00 3 K.FL-YO\$:B"71Y T"B"73L
W:/O74K:N"Y)F92REC? K.I/N:&O)-N"70S HFRIYM03 T.IR:)80W. W:/KI/T:QO71(A
\$OWPF73R T.I\$:MF75(W.00 4 K.IY04 KO63H)3)FMA70R Y:HWFH03)"L/A80Y
**)E\$:Q:F+73H W:/)AB.I74Y+FH BI/M:KOWN/I92Y? K.:XO71M CAX03 (:AL"Y-)O80WR
K.:/(F71B +A73L B.:XO71M QFCI75YR00? 5 K.I75Y-LI/P:N"70Y QFCIYR03

P.E80RAX W./BO71SER G.OM"73L YI75H:YE74H NIC.F92H? W:/KFRA70T
 HA/Z.AL:ZAL.IYM03 B.A/M.AZ:M"RO80WT W:/)ET-HA/N.:+IY\$O73WT H"SI71YR
 H"TA75Z00? ⁶ Y"(FZ:B70W. YAX:D.FW03 L:/("74Y+ HFRI80YM W.95/L:/BEH:EMA73T
 HF)/F92REC? W:/QF70C (FLFY/W03 HF/(A80YI+ W:/KFL-B.EH:EMA71T HF)/F73REC
 (FLF71Y/W T.EX:ERF75P00? ⁷ B.F/("T04 HA/HI63Y) Y75W.BAL-\$A61Y LA/YHWF74H
 C:BF)O81WT 10(AM M:MU\$.F74K: W./MOWRF80+ W./M"/(A71M NOWRF73)?
 MIN-H74W.) WF/HF92L:)FH G.O74WY05 QAW-QF74W W./M:BW.SF81H):A\$E63R
 B.FZ:70W. N:HFRIYM03)AR:C/O80W)EL-?M:QO91WM \$"M-Y:HWF71H C:BF)O73WT
 HAR-CIY.O75WN00 **19** ¹ MA&.F73) MIC:RF92YIM? HIN."63H Y:HWF61H ROK"63B
 (AL-(F71B QAL03 W./BF74) MIC:RA80YIM? W:/NF(62W.):ELIYL"70Y MIC:RA33YIM03
 MI/P.FNF80Y/W W./L:BA71B MIC:RA73YIM YIM.A71S B.:QIR:B./O75W00?
² W:/SIK:SAK:T.I70Y MIC:RA33YIM03 B.:MIC:RA80YIM W:/NIL:X:AM71W.
)IY\$-B.:)FXI73Y/W W:/)I74Y\$ B.:R/("92HW.? (I74YR B.:/(I80YR MAM:LKF73H
 B.:MAM:LKF75H00? ³ W:/NFB:QF70H R95W.XA-MIC:RA33YIM03 B.:QIR:B./O80W
 WA/(:ACFT/O73W):ABAL."92(A? W:/DFR:\$70W.)EL-HF75/):ELIYLIYM03
 W:/)EL-HF74/)I+.I80YM W:/)EL-HF/OBO73WT W:/)EL-?HA/Y.ID:.(ONI75YM00?
⁴ W:/SIK.AR:T.IY03)ET-MIC:RA80YIM B.:YA73D):ADONI74YM QF\$E92H W./ME70LEK:
 (AZ03 YIM:\$FL-B./F80M? N:)U71M HF)/FDO73WN Y:HWF71H C:BF)O75WT00?
⁵ W:/NI\$.:TW.-MA73YIM M"75/HA/Y.F92M W:/NFHF73R YEX:ERA71B W:/YFB"75\$00?
⁶ W:/HE)EZ:NI74YXW. N:HFRO80WT D.FL:AL71W. W:/XFR:B73W. Y:)OR"74Y
 MFCO92WR? QFNE71H WF/S73W.P QFM"75LW.00 ⁷ (FRO71WT (AL-Y:)O73WR
 (AL-P.I74Y Y:)O92WR? W:/KOL03 MIZ:RA74(Y:)O80WR YIYBA71\$ NID.A73P
 W:/)YNE75N.W.00? ⁸ W:/FNW.03 HA/D.AY.FGI80YM W:/)F74B:L80W.
 K.FL-MA\$:LIYK"71Y BA/Y:)O73WR XAK.F92H? W:/POR:&"71Y MIK:MO91RET
 (AL-P.:N"Y-MA73YIM)UM:LF75LW.00? ⁹ W:/BO91\$W. (OB:D"71Y PI\$:T.I73YM
 &:RIYQO92WT W:/)OR:GI73YM XOWRF75Y00? ¹⁰ W:/HFY71W. \$FTOTE73Y/HF
 M:DUK.F)I92YM K.FL-(O71&"Y &E73KER)AG:M"Y-NF75PE\$00? ¹¹)AK:-):EWILIYM03
 &F74R"Y CO80(AN XAK:M"Y03 YO(:AC"74Y PAR:(O80H ("CF73H NIB:(FRF92H? 10)"YK:
 T.O)M:R74W.)EL-P.AR:(O80H B.EN-X:AKFMI71YM):ANI73Y
 B.EN-MAL:K"Y-QE75DEM00? ¹²)AY./FM03)"PO74W) X:AKFME80Y/KF?
 W:/YAG.I71YDW. NF73) L/F92K: W:/Y"74D:(80W. MAH-Y.F(A91C Y:HWF71H
 C:BF)O73WT (AL-MIC:RF75YIM00? ¹³ NO75W):ALW.03 &F74R"Y CO80(AN NI\$.:)73W.
 &F74R"Y NO92P HIT:(71W.)ET-MIC:RA73YIM P.IN.A71T? \$:BF+E75Y/HF00?
¹⁴ Y:HWF91H MFSA71K: B.:QIR:B./F73H. R74W.XA (IW:(I92YM? W:/HIT:(70W.
)ET-MIC:RA33YIM03 B.:KF75L-MA:(A&/"80HW. K.:HIT.F(O71WT \$IK.O73WR
 B.:QIY)/O75W00? ¹⁵ W:/LO75)-YIH:YE71H L:/MIC:RA73YIM MA75:(A&E92H):A\$E94R
 YA:(A&E91H RO71)\$ W:/ZFNF73B K.IP.F71H? W:/)AG:MO75WN00 ¹⁶ B.A/Y.O74WM
 HA/H80W.) YI75H:YE71H MIC:RA73YIM K.A/N.F\$I92YM W:/XFRA74D05 W:/PFXA81D
 MI/P.:N"Y03 T.:NW.PAT03 YAD-Y:HWF74H? C:BF)O80WT):A\$ER-H73W.) M"NI71YP
 (FLF75Y/W00 ¹⁷ 14W:/HFY:TFH)AD:MA63T Y:HW.DF70H L:/MIC:RA33YIM03?
 L:/XFG.F80) K.OL04):A\$E63R YAZ:K.I71YR)OT/F91H.)"LF73Y/W YIP:XF92D
 MI/P.:N"81Y (:ACAT03 Y:HWF74H C:BF)O80WT?):A\$ER-H73W.) YOW("71C
 (FLF75Y/W00 ¹⁸ B.A/Y.O74WM HA/H83W.) YIH:YW.04 XFM"63\$ (FRI61YM B.:)E74REC?
 MIC:RA81YIM M:DAB.:ROWT03 &:PA74T K.:NA80(AN W:/NI\$:B.F(O73WT LA/YHWF74H
 C:BF)O92WT (I74YR HA/HE80RES? Y)"FM"73R L:/)EXF75T00 ¹⁹ B.A/Y.O74WM
 HA/H81W.) YI75H:YE70H MIZ:B."33XA03 LA75/YHWF80H B.:TO73WK:)E74REC?
 MIC:RF92YIM W./MAC."BF71H)"75CEL-G.:BW.L/F73H. LA75/YHWF75H00
²⁰ W:/HFYF63H L:/)O71WT W./L:/("91D LA75/YHWF71H? C:BF)O73WT B.:)E74REC
 MIC:RF92YIM K.I75Y-YIC:(AQ70W.)EL-Y:HWFH03 MI/P.:N"74Y LO75X:ACI80YM
 W:/YI\$:LA71X L/FHE91M? MOW\$I71Y(A WF/RF73B W:/HIC.IYL/F75M00
²¹ W:/NOWDA70(Y:HWFH03 L:/MIC:RA80YIM W:/YFD:(71W. MIC:RA91YIM
)ET-Y:HWF73H B.A/Y.O74WM HA/H92W.) W:/F75B:DW.03 ZE74BAX W:/MIN:XF80H
 W:/NFD:RW.-N"71DER LA75/YHWF73H W:/\$IL."75MW.00? ²² W:/NFGA94P Y:HWF91H
)ET-MIC:RA73YIM NFGO74P W:/RFPO92W) W:/F75B:DW.03 (AD-Y:HWF80H
 W:/NE(:T.A71R L/FHE73M? W:/R:PF)/F75M00 ²³ B.A/Y.O74WM HA/H81W.) T.IH:YE63H
 M:SIL.F70H MI/M.IC:RA33YIM03)A\$.80W.R/FH W./BF75)-)A\$.71W.R? B.:MIC:RA73YIM
 W:/MIC:RA74YIM B.:)A\$.92W.R W:/F75B:DW.03 (AD-Y:HWF80H)ET-)A\$.75W.R00

B.A/Y.O74WM? HA/H81W.) YIH:YE70H YI&:RF)"L03 \$:LI74Y\$Y.F80H L:/MIC:RA73YIM W./L:/)A\$.92W.R B.:RFKF73H B.:QE71REB HF/)F75REC00? ²⁵)A\$E94R B."R:AK/O91W Y:HWF71H C:BF)O73WT L"/)MO92R B.FR63W.K: (AM./I61Y MIC:RA81YIM W./MA:(A&"70H YFD/AY03?)A\$.80W.R W:/NAX:ALFT/I73Y YI&:RF)"75L00 **20** ¹ B.I/\$:NA63T B.O70) TAR:T.FN03)A\$.D.O80WD/FH B.I/\$:LO74X)OT/O80W SA75R:GO73WN ME74LEK:)A\$.92W.R WA/Y.IL.F71XEM? B.:)A\$.D.O73WD WA75/Y.IL.K.:D/F75H.00 ² B.F/("74T HA/HI81Y) D.IB.E74R Y:HWFH02 B.:YA74D Y:\$A(:YF74HW. BEN-)FMOWC02? L"/)MOR01 L"81K: W./PIT.AX:T.F70 HA/&.AQ03 M"/(A74L MFT:NE80Y/KF W:/NA(AL:/KF71 TAX:ALO73C M"/(A74L RAG:LE92Y/KF WA/Y.A74(A&? K."80N HFLO73K: (FRO71WM W:/YFX"75P00 ³ WA/Y.O74)MER Y:HWF80H K.A/):ASE71R HFLA91K: (AB:D./I71Y Y:\$A(:YF73HW.? (FRO74WM W:/YFX"92P \$FLO70\$ \$FNIYM03)O74WT W./MOWP"80T (AL-MIC:RA73YIM W:/)AL-K.75W.\$00 ⁴ K."74N YIN:HA74G? ME75LEK:-14)A\$.W.R)ET-\$:BI63Y MIC:RA61YIM W:/)ET-G.FL71W.T K.91W.\$ N:(FRI71YM W./Z:Q"NI73YM (FRO74WM? W:/YFX"92P WA/X:A&W.PA71Y \$"73T (ER:WA71T MIC:RF75YIM00 ⁵ W:/XAT.73W. WF/BO92\$W. MI/K.W.\$03 MAB.F+/F80M W:/MIN-?MIC:RA73YIM T.IP:)AR:T./F75M00 ⁶ 14W:/)FMAR YO\$"63B HF/)I74Y HA/Z.EH02 B.A/Y.O74WM HA/HW.)01 HIN."H-KO74H? MAB.F+/"81NW.):A\$ER-NA70S:NW. \$FM03 L:/(EZ:RF80H L:/HI63N.FC"80L MI/P.:N"73Y ME74LEK:)A\$.92W.R W:/)73YK: NIM.FL"71+?)ANF75X:NW.00 **21** ¹ MA&.F73) MID:B.AR-YF92M? K.:/SW.PO70WT B.A/N.E33GEB03 LA75/X:ALO80P? MI/M.ID:B.F74R B.F80) M"/)E73REC NOWRF)F75H00? ² XFZ71W.T QF\$F73H HUG.AD-L/I92Y? HA/B.OWG"70D05 B.OWG"D03 W:/HA/\$.OWD"74D05 \$OWD"80D? (:ALI70Y ("YLFM03 CW.RI74Y MFDA80Y? K.FL-)AN:XFTF73H HI\$:B.A75T.IY00? ³ (AL-K."81N MFL:)70W. MFT:N/AY03 XAL:XFLF80H? CIYRI74YM):AXFZ80W./NIY K.:/CIYR"73Y YO75WL"DF92H? NA:(AW"74YTIY MI/\$:MO80(A NIB:HA73L:T.IY M"/R:)O75WT00? ⁴ T.F(F74H L:BFB/I80Y P.AL.FC73W.T B.I75(:ATF92T:/NIY? 10)"T NE74SEP XI\$:Q/I80Y &F71M L/I73Y LA/X:ARFDF75H00? ⁵ (FRO94K: HA/\$.UL:XF91N CFPO71H HA/C.FPI73YT)FKO74WL \$FTO92H? Q71W.MW. HA/&.FRI73YM MI\$:X71W. MFG"75N00 ⁶ K.I74Y KO71H)FMA91R)"L/A73Y):ADONF92Y? 10L"K: HA:(AM"74D HA75/M:CAP.E80H):A\$E71R YIR:)E73H YAG.I75YD00? ⁷ W:/RF74)FH RE81KEB 10CEMED P.F75RF\$180YM? RE71KEB X:AMO73WR RE74KEB G.FMF92L? W:/HIQ:\$I71YB QE73\$EB RAB-QF75\$EB00 ⁸ WA/Y.IQ:RF73))AR:Y"92H? (AL-MIC:P.E74H05):ADONF81Y)FNOKI62Y (OM"70D T.FMIYD03 YOWMF80M? W:/)AL-MI63\$MAR:T.I80Y)FNOKI71Y NIC.F73B K.FL-HA/L."YLO75WT00? ⁹ W:/HIN."H-ZE71H BF)03 RE74KEB)I80Y CE73MED P.F75RF\$192YM? WA/Y.A74(AN WA/Y.O81)MER NFP:LF70H NF75P:LFH03 B.FBE80L? W:/KFL-P.:SIYL"71Y):ELOHE73Y/HF \$IB.A71R LF/)F75REC00? ¹⁰ M:DU\$FT/I73Y W:/BEN-G.FR:N/I92Y?):A\$E74R \$FMA81(:T.IY M"/)"63T Y:HWF94H C:BF)O91WT?):ELOH"71Y YI&:RF)"73L HIG.A71D:T.IY L/FKE75M00 ¹¹ MA&.F73) D.W.MF92H)"L/AY03 QOR"74) MI/&.(I80YR? \$OM"R03 MAH-MI/L.A80Y:LFH \$OM"73R MAH-MI/L."75YL00? ¹²)FMA74R \$OM"80R)FTF71H BO73QER W:/GAM-LF92Y:LFH?)IM-T.IB:(FY71W.N B.:F73YW. \$U71BW.)"TF75YW.00 ¹³ MA&.F73) B.A/(:RF92B? B.A/Y.A70(AR B.A/(:RAB03 T.FLI80YNW.)O75R:XO73WT D.:DFNI75YM00? ¹⁴ LI/Q:RA71)T CFM"73) H"TF74YW. MF92YIM? YO\$:B"Y03)E74REC T."YMF80) B.:LAX:M/O73W QID.:M71W. NOD"75D00? ¹⁵ K.I75Y-MI/P.:N"71Y X:ARFBO73WT NFDF92DW. MI/P.:N"74Y05 XE74REB N:+W.\$F81H? W:/MI/P.:N"Y03 QE74\$ET D.:RW.KF80H W:/MI/P.:N"73Y K.O71BED MIL:XFMF75H00 ¹⁶ K.IY-KO91H)FMA71R):ADONF73Y)"L/F92Y B.:/O70W.D \$OFNFB03 K.I/\$:N"74Y &FKI80YR W:/KFLF73H K.FL-K.:BO71WD? Q"DF75R00 ¹⁷ W:/):F94R MIS:P.AR-QE91\$ET G.IB.OWR"71Y B:N"75Y-Q"DF73R YIM:(F92+W. K.I91Y Y:HWF71H):ELOH"75Y-?YI&:RF)"73L D.IB."75R00 **22** ¹ MA&.F73) G."74Y) XIZ.FYO92WN? MAH-L./F74K:)"PO80W) K.I75Y-(FLI71YT K.UL./F73K: LA/G.AG.O75WT00? ² T.:SU)O74WT05 M:L")F81H 10(IYR HO75WMIY.F80H QIR:YF73H (AL.IYZF92H? X:ALFLA33Y/IK:03 LO74) XAL:L"Y-XE80REB W:/LO73) M"TT"71Y MIL:XFMF75H00? ³ K.FL-Q:CIYNA71Y/IK: NF75D:DW.-YA73XAD MI/Q.E74\$ET)US.F92RW.? K.FL-NIM:CF)A33Y/IK:03)US.:R74W. YAX:D.F80W M"/RFXO73WQ B.FRF75XW.00? ⁴ (AL-K."71N)FMA91R:T.IY \$(71W. MI/N.I73Y):AMFR"74R B.A/B.E92KIY?)AL-T.F)I74YCW. L:/NA75X:AM/"80NIY (AL-\$O73D B.AT-(AM.I75Y00? ⁵ K.I74Y YOWM04 M:HW.MF63H W:/M:BW.SF61H W:/M:BW.KF81H LA75/DONF94Y Y:HWI91H

C:BF)O73WT? B.:G"74Y) XIZ.FYO92WN M:QAR:QA71R QI73R W:\$O71W(A
)EL-HF/HF75R00? ⁶ W:/("YLFM03 NF&F74))A\$:P.F80H B.:/RE71KEB)FDF73M
 P.F75RF\$192YM? W:/QI71YR ("RF73H MFG"75N00 ⁷ WA/Y:HI71Y
 MIB:XAR-(:AMFQA73Y/IK:? MF74L:)W. RF92KEB W:/HA/P.F74RF\$180YM \$O73T
 \$F71TW. HA/\$.F75(:R/FH00? ⁸ WA/Y:GA85L)"73T MFSA74K: Y:HW.DF92H?
 WA/T.AB."+03 B.A/Y.O74WM HA/H80W.))EL-NE73\$EQ B."71YT HA/Y.F75(AR00?
⁹ W:/)"63T B.:QIY("94Y (IYR-D.FWI91D R:)IYTE73M K.IY-RF92B.W.?
 WA75/T.:QAB.:C80W.)ET-M"71Y HA/B.:R"KF73H HA/T.AX:T.OWNF75H00?
¹⁰ W:/)ET-B.FT."71Y Y:RW.\$FLA73IM S:PAR:T.E92M WA/T.IT.:CW.03 HA/B.F74T.I80YM
 L:/BAC."73R HA/XOWMF75H00? ¹¹ W:/MIQ:WF74H05 (:A&IYTE81M 10B."YN
 HA/XO74MOTA80YIM L:/M"73Y HA/B.:R"KF74H HA/Y:\$FNF92H? W:/LO70)
 HIB.A+:T.EM03)EL-(O&E80Y/HF W:/YOC:R/F71H. M"75/RFXO73WQ LO71)
 R:)IYTE75M00? ¹² WA/Y.IQ:RF81)):ADONF94Y Y:HWI91H C:BF)O73WT B.A/Y.O74WM
 HA/H92W.)? LI/B:KIY03 W:/L:/MIS:P."80D W:/L:/QFR:XF73H W:/LA/X:AGO71R &F75Q00?
¹³ W:/HIN."74H05 &F&O74WN W:/&IM:XF81H HFRO70G05 B.FQFR03 W:/\$FXO74+
 CO80N?)FKO71L B.F&F73R W:/SFTO74WT YF92YIN)FKO74WL W:/SFTO80W K.I71Y
 MFXF73R NFM75W.T00? ¹⁴ W:/NIG:LF71H B:/)FZ:N/F73Y Y:HWF74H C:BF)O92WT?
)IM-14Y:KUP.AR HE/(FWON03 HA/Z.E70H L/FKEM03 (AD-T.:MUT80W.N)FMA91R
):ADONF71Y Y:HWI73H? C:BF)O75WT00 ¹⁵ K.O71H)FMA91R):ADONF71Y Y:HWI73H
 C:BF)O92WT? LEK:-B.O)03)EL-HA/S.OK"74N HA/Z.E80H (AL-\$EB:N73)):A\$E71R
 (AL-HA/B.F75YIT00? ¹⁶ MAH-L.:KF71 POH03 W:/MI74Y L:/KF74 PO80H
 K.I75Y-XFCA94B:T.F L:/:KF91 P.O73H QF92BER? XOC:BI70Y MFROWM03 QIB:R/O80W
 XOQ:QI71Y BA/S.E73LA(MI\$:K.F71N L/O75W00? ¹⁷ HIN."70H Y:HWFH03
 M:+AL:+EL:/KF80 +AL:+LF73H G.F92BER W:/O+:/KF73 (F+O75H00? ¹⁸ CFNO70WP
 YIC:NFP:/KF03 C:N"PF80H K.A/D.85W.R)EL-)E73REC RAX:ABA74T YFDF92YIM?
 \$F74M.FH TFM81W.T W:/\$F33M.FH03 MAR:K.:BO74WT K.:BOWD/E80KF Q:LO73WN
 B."71YT):ADONE75Y/KF00? ¹⁹ WA/H:ADAP:T.I73Y/KF MI/M.AC.FB/E92KF
 W:/MI/M.A(:AMF75D:/KF73 YEHER:S/E75KF00? ²⁰ W:/HFYF73H B.A/Y.O74WM
 HA/H92W.) W:/QFRF74)TIY L:/AB:D./I80Y L:)EL:YFQI73YM B.EN-XIL:QIY.F75HW.00?
²¹ W:/HIL:B.A\$:T.I74Y/W K.UT.FN:T./E81KF W:/)AB:N"75+:/KF03):AXAZ.:Q/E80N.W.
 W:/ME75M:\$EL:T.:KF73]1)ET."74N B.:YFD/O92W? W:/HFYF71H L:/)F91B L:/YOW\$"71B
 Y:RW.\$FLA73IM W:/L:/B"71YT Y:HW.DF75H00? ²² W:/NFTAT.I91Y MAP:T."71XA
 B."YT-D.FWI73D (AL-\$IK:M/O92W? W:/PFTAX03 W:/)"74YN SOG"80R W:/SFGA73R
 W:/)"71YN P.OT"75XA00 ²³ W:/T:QA(:T.I71Y/W YFT"73D B.:MFQO74WM? NE):EMF92N?
 W:/HFYF91H L:/KIS."71) KFB073WD L:/B"71YT)FBI75Y/W00? ²⁴ W:/TFL63W. (FLF61Y/W
 K.O74L05 K.:BO74WD B."YT-)FBI81Y/W HA/C.E75):ECF)IYM03 W:/HA/C.:PI(O80WT
 K.O73L K.:L"74Y? HA/Q.F+F92N MI/K.:L"Y03 HF75)/AG.FNO80WT W:/A73D
 K.FL-K.:L"71Y HA/N.:BFLI75YM00 ²⁵ B.A/Y.O74WM HA/H81W.) N:)UM03? Y:HWF74H
 C:BF)O80WT T.FMW.\$03 HA/Y.FT"80D HA/T.:QW.(F73H B.:MFQO74WM NE):EMF92N
 W:/NIG:D.:F74H W:/NFP:LF81H? W:/NIK:RAT03 HA/M.A&.F74)):A\$ER-(FLE80Y/HF
 K.I71Y Y:HWF73H D.IB."75R00 **23** ¹ MA&.F73) CO92R? H"YLI74YLV.05):FNIY.O74WT
 T.AR:\$I81Y\$ K.I75Y-\$UD.A70D MI/B.A33YIT03? MI/B.O80W) M")E71REC K.IT.I73YM
 NIG:LFH-L/F75MOW00? ² D.O73M.W. YO74\$:B"Y)I92Y SOX"71R CIYDO91WN? (OB"71R
 YF73M MIL:)75W/K:00 ³ W:/B:/MA70YIM RAB.IYM03? ZE74RA(\$IXO80R Q:CI71YR
 Y:)O73WR T.:B75Y)FT/F92H. WA/T.:HI73Y S:XA71R G.OWYI75M00? ⁴ B.O74W\$1Y
 CIYDO80WN K.I75Y-)FMA74R YF80M MF(O71WZ HA/Y.F73M L")/MO92R?
 LO75)-XA74L:T.IY W:/LO75)-YFLA81D:T.IY? W:/LO71) GID.A91L:T.IY B.AXW.RI73YM
 ROWMA71M:T.IY B:TW.LO75WT00? ⁵ K.A75):A\$ER-\$"73MA(L:/MIC:RF92YIM
 YFXI73YLV. K.:/\$"71MA(CO75R00? ⁶ (IB:R73W. T.AR:\$I92Y\$/FH H"YLI73YLV.
 YO71\$:B"Y)I75Y00? ⁷ H:A/ZO71)T L/FKE73M (AL.IYZF92H MI75/YM"Y-QE70DEM
 QAD:MFT/FH.03? YOBIL74W./HF RAG:LE80Y/HF M"75/RFXO73WQ LF/G75W.R00?
⁸ 10MIY YF(A74C ZO80)T (AL-CO73R HA/M.A75(:A+IYRF92H?):A\$E70R
 SOX:ARE33Y/H03 &FRI80YM K.IN:(FNE73Y/HF NIK:B.AD."Y-)F75REC00? ⁹ Y:HWF71H
 C:BF)O73WT Y:(FC/F92H. L:/XAL."L03 G.:)O74WN? K.FL-C:BI80Y L:/HFQ"73L
 K.FL-NIK:B.AD."Y-)F75REC00? ¹⁰ (IB:RI71Y)AR:C/"73K: K.A/Y:)O92R B.AT-T.AR:\$I85Y\$
)"73YN M"71ZAX (O75WD00? ¹¹ YFD/OW03 NF+F74H (AL-HA/Y.F80M HIR:G.I73YZ
 MAM:LFKO92WT? Y:HWFH03 CIW.F74H)EL-K.:NA80(AN LA/\$:MI73D

MF(UZ:NE75Y/HF00? ¹² WA/Y.O85)MER LO75)-TOWSI71YPIY (O73WD LA/(:LO92WZ HA75/M:(U\$.FQF62H B.:TW.LA74T B.AT-CIYDO81WN? **K.IT.IYM03 Q74W.MIY (:ABO80RIY G.AM-\$F73M LO)-YFN71W.XA75 L/F75K:00? ¹³ H"74N05)E74REC K.A&:D.I81YM ZE70H HF/(FM03 LO74) HFYF80H)A\$.73W.R Y:SFD/F74H. L:/CIY.I92YM? H"QI74YMW. **BAXW.NF81Y/W (OR:RW.03)AR:M:NOWTE80Y/HF &FM/F73H. L:/MAP."LF75H00? ¹⁴ H"YLI73YWL.):FNIY.O74WT T.AR:\$I92Y\$ K.I71Y \$UD.A73D MF(UZ./:KE75N00 ¹⁵ W:/HFYFH03 B.A/Y.O74WM HA/H80W.) W:/NI\$:K.A70XAT COR03 \$IB:(I74YM \$FNF80H K.I/YM"73Y ME74LEK:)EXF92D MI/Q."62C? \$IB:(I70YM \$FNFH03 YIH:YE74H L:/CO80R K.:\$IYRA73T HA/Z.OWNF75H00? ¹⁶ Q:XI71Y KIN.O91WR SO71B.IY (I73YR ZOWNF74H NI\$:K.FXF92H? H"Y+I70YBIY NAG."N03 HAR:B.IY-\$I80YR L:MA73(AN T.IZ.FK"75RIY00? ¹⁷ W:/HFYF62H MI/Q."74C05 \$IB:(I74YM \$FNF81H YIP:QO70D Y:HWFH03)ET-CO80R W:/\$F73H L:/)ET:NAN./F92H? W:/ZF75N:TF91H)ET-K.FL-MAM:L.KO71WT HF/)F73REC (AL-P.:N"71Y HF/):ADFMF75H00 ¹⁸ W:/HFYF63H SAX:R/F61H.? W:/)ET:NAN./F81H. 10QODE\$ LA75/YHWF80H LO71) Y"75)FC"73R W:/LO74) Y"75XFS"92N K.I74Y LA/Y.O\$:BI62YM LI/P:N"70Y Y:HWFH03? YI75H:YE74H SAX:R/F80H. LE/):EKO71L L:/&FB:(F73H W:/LI/M:KAS.E71H (FTI75YQ00 **24** ¹ HIN."94H Y:HWF91H B.OWQ"71Q HF/)F73REC W:/BO75WL:Q/F92H. W:/)IW.F74H PFNE80Y/HF W:/H"PI73YC YOS:BE75Y/HF00? ² W:/HFYF70H KF/(FM03 K.A/K.OH"80N K.A/(E33BED03 K.A75)/DONF80Y/W K.A/\$.IP:XF73H K.A/G.:BIR:T./F92H.? K.A/Q.OWNEH03 K.A/M.OWK"80R K.A/M.AL:WEH03 K.A/L.OWE80H K.A/N.O\$E85H K.A/):A\$E73R NO\$E71) B/O75W00? ³ HIB.O94WQ05 T.IB.O91WQ HF/)F73REC W:/HIB.O74WZ05 T.IB.O92WZ? K.I74Y Y:HWF80H D.IB.E73R)ET-HA/D.FBF71R HA/Z.E75H00? ⁴)FB:LF70H NF75B:LFH03 HF/)F80REC)UM:L:LF71H NFB:LF73H T."B"92L?)UM:LF73LW. M:RO71WM (AM-HF/)F75REC00? ⁵ W:/HF/)F71REC XFN:PF73H T.A74XAT YOS:BE92Y/HF K.I75Y-(FB:R70W. TOWROT03 XF74L:PW. XO80Q? H"P"73RW. B.:RI71YT (OWLF75M00? ⁶ (AL-K."81N)FLFH03)F74K:LFH)E80REC WA75/Y.E):\$.M73W. YO74\$:B"Y B/F92H.? (AL-K."81N XFRW.03 YO74\$:B"Y)E80REC W:/NI\$:A71R):ENO73W\$ MIZ:(F75R00? ⁷)FBA71L T.IYRO73W\$)UM:L:LFH-GF92PEN NE)EN:X73W. K.FL-&IM:X"Y-L"75B00? ⁸ \$FBAT03 M:&O74W& T.UP.I80YM XFDA73L \$:)O74WN (AL.IYZI92YM? \$FBA73T M:&O71W& K.IN.O75WR00? ⁹ B.A/\$.I73YR LO74) YI\$:T.W.-YF92YIN Y"MA71R \$"KF73R L:/\$OTF75Y/W00? ¹⁰ NI\$:B.:RF73H QIR:YAT-T.O92HW. SUG.A71R K.FL-B.A73YIT MI/B.O75W)00? ¹¹ C:WFXF71H (AL-HA/Y.A73YIN B.A75/XW.CO92WT? (F75R:BFH03 K.FL-&IM:XF80H G.FLF73H M:&O71W& HF/)F75REC00? ¹² NI\$:A71R B.F/(I73YR \$AM.F92H W:\$)IY.F73H YUK.AT-\$F75(AR00? ¹³ K.I74Y KO71H YIH:YE91H B.:QE71REB HF/)F73REC B.:TO74WK: HF75/(AM.I92YM? K.:NO74QEP ZA80YIT K.:/(OWL"LO73T)IM-K.FLF71H BFCI75YR00? ¹⁴ H"91M.FH YI&:)71W. QOWL/F73M YFRO92N.W. B.I/G:)O74WN Y:HWF80H? CFH:AL73W. MI/Y.F75M00 ¹⁵ (AL-K."71N B.F/)URI73YM K.AB.:D74W. Y:HWF92H? B.:/IY."74Y HA/Y.F80M \$"71M Y:HWF73H):ELOH"71Y YI&:RF)"75L00 ¹⁶ MI/K.:NA63P HF/)F61REC Z:MIRO70T \$FMA33(:NW.03 C:BI74Y LA/C.AD.I80YQ? WF)OMA91R RFZiy-L/I71Y RF75Ziy-L/I73Y)O74WY L/I92Y B.OG:DI74YM B.FGF80DW.? W:/BE71GED B.OWG:DI73YM B.FGF75DW.00? ¹⁷ P.A71XAD WF/PA73XAT WF/PF92X (FLE73Y/KF YOW\$"71B HF/)F75REC00? ¹⁸ 14W:95/HFYFH HA/N.F62S MI/Q.O70WL HA/P.A33XAD03 YIP.O74L)JEL-HA/P.A80XAT? W:/HF75/(OWLEH03 MI/T.O74WK: HA/P.A80XAT YIL.FK"73D B.A/P.F92X? K.I75Y-):ARUB.O70WT MI/M.FROWM03 NIP:T.F80XW. WA75/Y.IR:(\$A73W. MO71WS:D"Y)F75REC00? ¹⁹ RO71(FH HI75T:RO:(A(F73H HF/)F92REC P.O70WR HI75T:P.OWR:RFH03)E80REC? MO71W+ HI75T:MOW+:+F73H)F75REC00? ²⁰ NO74W(A T.FN70W.(A)E33REC03 K.A/\$.IK.O80WR W:/HI75T:NOWD:DF73H K.A/M.:LW.NF92H? W:/KFBA70D (FLE33Y/HF03 P.I\$:(/F80H. W:/NFP:LF73H W:/LO)-TOSI71YP Q75W.M00 ²¹ W:/HFYFH03 B.A/Y.O74WM HA/H80W.) YIP:QO94D Y:HWF91H (AL-C:BF71) HA/M.FRO73WM? B.A/M.FRO92WM? W:/)AL-MAL:K"71Y HF/):ADFMF73H (AL-HF/):ADFMF75H00 ²² W:/)US.:P63W.):AS"PF70H?)AS.IYR03 (AL-B.O80WR W:/SUG.:R73W. (AL-MAS:G."92R? W:/M"/RO71B YFMI73YM YIP.FQ"75DW.00? ²³ W:/XF75P:RFH03 HA/L.:BFNF80H W:/BOW\$F73H HA75/XAM.F92H K.I75Y-MFLA62K: Y:HWF74H C:BF)O81WT? B.:/HA70R CIY.OWN03 W:/BI/YR74W.\$FLA80IM W:/NE71GED Z:Q"NF73Y/W K.FBO75WD00 **25** ¹ Y:HWF70H):ELOH/AY03)AT.F80H):ARO75WMIM:KF03)OWDE74H \$IM:KF80? K.I71Y (F&I73YTF P.E92LE) ("CO71WT

M"75/RFXO73WQ):EM71W.NFH)O75MEN00? 2 K.I74Y &A70M:T.F M"/(IYR03 LA/G.F80L QIR:YF71H B:CW.RF73H L:/MAP."LF92H?)AR:MO70WN ZFRIYM03 M"/(I80YR L:/(OWLF73M LO71) YIB.FNE75H00? 3 (AL-K."73N Y:KAB.:D74W./KF (AM-(F92Z QIR:YA91T G.OWYI71M (FRIYCI73YM YIYRF)75W./KF00? 4 K.I75Y-HFYI63YTF MF(O71WZ LA/D.F91L MF(O71WZ LF)EB:YO73WN B.A/C.AR-L/O92W? MAX:SE70H MI/Z.E33REM03 C"74L M"/XO80REB? K.I91Y R71W.XA (FRIYCI73YM K.:ZE71REM QI75YR00 5 K.:XO74REB B.:CFYO80WN? \$:)O71WN ZFRI73YM T.AK:NI92Y(A? 10XOREB B.:C"74L (F80B Z:MI71YR (F75RIYCI73YM YA:(ANE75H00 6 W:/(F&FH04 Y:HWF63H C:BF)O61WT L:/KFL-HF75/(AM.IYM03 B.F/HF74R HA/Z.E80H MI\$:T."71H \$:MFNI73YM? MI\$:T."74H \$:MFRI92YM \$:MFNIYM03 M:MU74XFYI80M \$:MFRI73YM M:ZUQ.FQI75YM00? 7 W:/BIL.A(03 B.F/HF74R HA/Z.E80H P:N"75Y-HA/L.O71W+05 HA/L.O73W+ (AL-K.FL-HF75/(AM.I92YM? W:/HA/M.AS."KF71H HA/N.:SW.KF73H (AL-K.FL-HA/G.OWYI75M00 8 B.IL.A70(HA/M.F33WET03 LF/NE80CAX? W:/MFXF63H):ADONF94Y Y:HWI91H D.IM:(F73H M"/(A74L K.FL-P.FNI92YM? W:/XER:P.A74T (AM./O81W YFSIYR03 M"/(A74L K.FL-HF)F80REC K.I71Y Y:HWF73H D.IB."75R00 9 W:/)FMAR03 B.A/Y.O74WM HA/H80W.) HIN."63H):ELOH"71Y/NW. ZE91H QIW.I71YNW. L/O73W W:/YO75W\$YI(/"92NW.? ZE70H Y:HWFH03 QIW.I74YNW. L/O80W NFGI71YLFH W:/NI&:M:XF73H B.I/Y\$W.(FT/O75W00 10 K.I75Y-TFN71W.XA YAD-?Y:HWF73H B.F/HF74R HA/Z.E92H? W:/NF70DOW\$ MOW)FB03 T.AX:T.F80Y/W K.:/HID.71W.\$ MAT:B."73N **B.:/MO71W MAD:M"NF75H00? 11 W:/P"RA70& YFDFY/W03 B.:/QIR:B./O80W K.A.):A\$E91R Y:PFR"71& HA/&.OXE73H LI/&.XO92WT? W:/HI\$:P.IYL03 G.A75):AWFT/O80W (I73M)FR:B.O71WT YFDF75Y/W00? 12 W:/MIB:CA62R MI&:G.A74B XOWMOT81Y/KF H"\$A71X HI\$:P.I91YL HIG.I71Y(A LF)/F73REC (AD-?(FPF75R00 26 1 B.A/Y.O74WM HA/H80W.) YW.\$A71R HA/\$.IYR-HA/Z.E73H B.:/E74REC Y:HW.DF92H? (I74YR (FZ-L/F80NW. Y:\$W.(F71H YF\$173YT XOWMO71WT WF/X"75L00? 2 P.IT:X73W. \$:(FRI92YM W:/YFBO71) GOWY-CAD.I73YQ \$OM"71R):EMUNI75YM00? 3 Y"74CER SFM80W./K: T.IC.O73R \$FLO74WM05 \$FLO92WM K.I71Y B:/KF73 B.F+75W.XA00? 4 B.I+:X71W. BA75/YHWF73H (:AD"Y-(A92D 10K.IY B.:/YF74H. Y:HWF80H C73W.R (OWLFMI75YM00? 5 K.I70Y H"\$AX03 YO\$:B"74Y MFRO80WM QIR:YF73H NI&:G.FBF92H? YA\$:P.IYL/E70N.FH YA\$:P.IYL/FH.03 (AD-)E80REC YAG.IY/(E73N.FH (AD-(FPF75R00? 6 T.IR:M:S/E73N.FH RF92GEL RAG:L"71Y (FNI73Y P.A:(AM"71Y DAL.I75YM00? 7)O71RAX LA/C.AD.I73YQ M"75/Y\$FRI92YM YF\$F85R MA(:G.A71L CAD.I73YQ T.:PAL."75S00? 8)A74P)O94RAX MI\$:P.F+E91Y/KF Y:HWF73H QIW.IYN92W/KF? L:/SIM:/KF71 W.95L:/ZIK:R:/KF73 T.A):AWAT-NF75PE\$00? 9 NAP:\$I70Y)IW.IYTI33Y/KF03 B.A/L.A80Y:LFH)AP-RW.X/I71Y B:/QIR:B./I73Y):A\$A75X:AR/E92K.F? K.I62Y K.A.):A\$E70R MI\$:P.F+E33Y/KF03 LF)/F80REC CE71DEQ LFM:D73W. YO\$:B"71Y T"B"75L00? 10 YUXA70N RF\$F(03 B.AL-LFMA74D CE80DEQ B.:/E71REC N:KOXO73WT Y:(AW."92L? W:/BAL-YIR:)E73H G.")71W.T Y:HWF75H00 11 Y:HWF91H RF71MFH YFD:/KF73 B.AL-YEX:EZF92W.N? YEX:EZ70W. W:/Y"BO33\$W.03 QIN:)AT-(F80M)AP-)73\$ CFRE71Y/KF TO)K:L/"75M00 12 Y:HWF85H T.I\$:P.O71T \$FLO73WM L/F92NW. K.I91Y G.A71M K.F75L-MA(:A&"73Y/NW. P.F(A71L:T.F L:/F75NW.00? 13 Y:HWF74H):ELOH"80Y/NW. B.:/FL71W/NW.):ADONI73YM Z75W.LFT/E92KF L:/BAD-B.:/KF73 NAZ:K.I71YR \$:M/E75KF00? 14 M"TIYM03 B.AL-YIX:Y80W. R:PF)I73YM B.AL-YFQU92MW.? LF/K"70N P.FQA33D:T.F03 WA/T.A\$:MIYD/"80M WA/T.):AB."71D K.FL-Z"73KER L/F75MOW00 15 YFSA70P:T.F LA/G.OWY03 Y:HWF80H YFSA71P:T.F LA/G.O73WY NIK:B.F92D:T.F? RIXA73Q:T.F K.FL-QAC:W"Y-)F75REC00? 16 Y:HWF73H B.A/C.A74R P.:QFD92W./KF CFQ74W.N LA80XA\$ MW.SFR:/KF73 L/F75MOW00? 17 K.:MO70W HFRFH03 T.AQ:RI74YB LF/LE80DET T.FXI71YL T.IZ:(A73Q B.A/X:ABFLE92Y/HF? K."91N HFYI71YNW. MI/P.FNE73Y/KF Y:HWF75H00? 18 HFRI74YNW. XA80L:NW. K.:MO73W YFLA74D:NW. R92W.XA Y:\$W.(OT03 B.AL-NA74(:A&EH)E80REC? W:/BA75L-YIP.:L73W. YO\$:B"71Y T"B"75L00? 19 YI75X:Y74W. M"TE80Y/KF N:B"LF71Y Y:QW.M92W.N HFQI63YCW. W:/RAN.:N61W. \$OK:N"74Y (FPF81R? K.I74Y +A70L)OWROT03 +AL/E80KF WF)/F73REC R:PF)I71YM T.AP.I75YL00 20 L"70K: L"70K: (AM./IY03 (AM./IY03 B.O74) B.O74) BA/X:ADFRE80Y/KF BA/X:ADFRE80Y/KF W.95/S:GO71R W.95/S:GO71R **D.:LFT:/KF73 **D.:LFT:/KF73 B.A:(AD/E92KF? B.A:(AD/E92KF? X:ABI71Y X:ABI71Y KI/M:(A+-KI/M:(A+-RE73GA(RE73GA(**YA(:ABFR-(AD-ZF75(AM00?

ZF75(AM00? ²¹ K.I75Y-HIN."70H Y:HWFH03 YOC"74) MI/M.:QOWM/O80W LI/P:QO91D
 (:AWO71N YO75\$B-HF/)F73REC (FLF92Y/W? W:/GIL.:TF70H HF/)F33REC03
)ET-D.FME80Y/HF W:/LO75)-T:KAS.E71H (O73WD (AL-H:ARW.GE75Y/HF00
27 ¹ B.A/Y.O74WM HA/H83W.) YIP:QO74D Y:HWFH04 B.:XAR:B/O63W]1 HA/Q.F\$F61H
 W:/HA/G.:DOWLF74H W:/HA95/X:AZFQF81H? (A70L LIW:YFTFN03 NFXF74\$ B.FRI80XA
 W:/(AL03 LIW:YFTF80N NFXF73\$ (:AQAL.FTO92WN? W:/HFRA71G)ET-HA/T.AN.I73YN
):A\$E71R B.A/Y.F75M00 ² B.A/Y.O73WM HA/H92W.) K.E71REM XE73MED
 (AN.W.-L/F75H.00? ³):ANI70Y Y:HWFH03 NO75C:R/F80H. LI/R:GF(I73YM
)A\$:Q/E92N.FH? 10P.EN YIP:QO74D (FLE80Y/HF LA71Y:LFH WF/YO73WM
)EC.:FR/E75N.FH00? ⁴ X"MF73H)"74YN L/I92Y MI75Y-YIT.:N/"61NIY \$FMI71YR
 \$A33YIT03? B.A/M.I.L:XFMF80H)EP:&(F71H B/F73H.):ACIYT/E71N.FH Y.F75XAD00?
⁵ 10)OW YAX:AZ"74Q B.:MF(W.Z./I80Y YA(A&E71H \$FLO73WM L/I92Y \$FLO73WM
 YA95(A&EH-L./I75Y00? ⁶ HA/B.F)IYM03 YA\$:R"74\$ YA75(:AQO80B YFCI71YC
 W./PFRA73X YI&:RF)"92L? W./MFL:)71W. P:N"Y-T"B"73L T.:NW.BF75H00
⁷ HA/K.:MAK.A71T MAK."/73HW. HIK./F92HW.)IM-K.:HE71REG H:ARUGF73Y/W
 HORF75G00? ⁸ B.:SA)S.:)F73H B.:/\$AL:X/F74H. T.:RIYB/E92N.FH HFGF91H
 B.:/RW.X/O71W HA/Q.F\$F73H B.:YO71WM QFDI75YM00? ⁹ LF/K"81N B.:ZO)T03
 Y:KUP.A74R (:AWO75N-YA(:AQO80B W:/ZE85H K.FL-P.:RI73Y HFSI74R XA+.F)T/O92W?
 B.:&W.M/O74W05 K.FL-)AB:N"74Y MIZ:B."81XA K.:)AB:N"Y-GIR03 M:NUP.FCO80WT?
 LO75)-YFQU71MW.):A\$RI73YM W:/XAM.FNI75YM00? ¹⁰ K.I74Y (I70YR B.:CW.RFH03
 B.FDF80D NFEW85H M:\$UL.F71X W:/NE(:EZ73B K.A/M.ID:B.F92R? \$F74M YIR:(E71H
 ("91GEL W:/F71M YIR:B.F73C W:/KIL.F71H S:(IPE75Y/HF00? ¹¹ B.I/YBO70\$
 Q:CIYR/FH.03 T.I\$.FBA80R:NFH NF\$185YM B.F)O73WT M:)IYRO74WT)OWT/F92H?
 K.I74Y LO70) (AM-B.IYNOWT03 H80W.)? (AL-K."N03 LO75)-Y:RAX:AM/E74N.W.
 (O&/"80HW. W:/YOC:R/O73W LO71) Y:XUN./E75N.W.00 ¹² W:/HFYFH03 B.A/Y.O74WM
 HA/H80W.)? YAX:B.O94+ Y:HWF91H MI/\$.IB.O71LET HA/N.FHF73R (AD-NA74XAL
 MIC:RF92YIM? W:/)AT.E94M T.:LUQ.:+91W. L:/)AXA71D)EXF73D B.:N"71Y
 YI&:RF)"75L00 ¹³ W:/HFYF74H05 B.A/Y.O74WM HA/H81W.) YIT.FQA(02 B.:\$OWPF74R
 G.FDOWL01? W:/BF81)W. HF/)O75B:DIYM03 B.:/E74REC)A\$.80W.R
 W:/HA/N.ID.FXI73YM B.:/E74REC MIC:RF92YIM? W:/HI\$:T.AX:AW94W. LA/YHWF91H
 B.:/HA71R HA/Q.O73DE\$ B.I/YRW.\$FLF75IM00? **28** ¹ HO81WY (:A+E70RET G.")W.T03
 \$IK.OR"74Y)EP:RA80YIM W:/CI71YC NOB"73L C:BI74Y TIP:)AR:T./O92W?):A\$E91R
 (AL-RO71)\$ G."75Y)-\$.MFNI73YM H:AL71W.M"Y YF75YIN00? ² HIN."63H XFZF70Q
 W:/)AM.IC03 LA75)DONF80Y K.:ZE71REM B.FRF73D &A74(AR QF92+EB? 14K.:ZEREM
 MA74YIM K.AB.IYRI71YM \$O+:PI91YM HIN.I71YXA LF)F73REC B.:YF75D00?
³ B.:RAG:LA73YIM T."75RFMA92S:NFH (:A+E71RET G.")73W.T \$IK.OWR"71Y
)EP:RF75YIM00? ⁴ W:/75/HF63Y:TF61H CIYCA70T NOB"L03 C:BI74Y TIP:)AR:T./O80W
):A\$E71R (AL-RO73)\$ G."74Y) \$.MFNI92YM? K.:BIK.W.RFH.03 B.:/+E74REM QA80YIC
):A\$E63R YIR:(E70H HF75/RO)EH03)OWT/F80H.? B.:/(OWD/F71H. B.:KAP./O73W
 YIB:LF/(E75N.FH00 ⁵ B.A/Y.O74WM HA/H81W.) YI75H:YEH03 Y:HWF74H C:BF)O80WT
 LA:/:A+E74RET C:BI80Y W:/LI/C:PIYRA73T? T.IP:)FRF92H LI\$:)F73R (AM./O75W00?
⁶ W:/L:/R73W.XA MI\$:P.F92+ LA/Y.OW\$"B03 (AL-HA/M.I\$:P.F80+ W:/LI63/G:BW.RF80H
 M:\$IYB"71Y MIL:XFMF73H? \$F75(:R/FH00 ⁷ W:/GAM-)33L.EH03 B.A/Y.A74YIN \$FG80W.
 W:/BA/\$."KF73R T.F(92W.? K.OH"74N W:/NFBIIY)04 \$FG63W. BA/\$."KF61R NIB:L:(74W.
 MIN-HA/Y.A81YIN? T.F(W.03 MIN-HA/\$."KF80R \$FGW.03 B.F75/RO)E80H P.FQ73W.
 P.:LIYLIY.F75H00? ⁸ 10K.IY K.FL-\$UL:XFNO80WT MFL:)73W. QI74Y) COF92H B.:LI73Y
 MFQO75WM00 ⁹)ET-MIY03 YOWRE74H D"(F80H W:/)ET-MI73Y YFBI74YN \$:MW.(F92H?
 G.:MW.L"Y03 M"75/XFLF80B (AT.IYQ"73Y MI/\$.FDF75YIM00? ¹⁰ K.I74Y CA70W
 LF/CFW03 CA74W LF/CF80W QA71W LF/QF73W QA74W LF/QF92W? Z:("71YR \$F73M
 Z:("71YR \$F75M00? ¹¹ 10K.IY B.:LA(:AG"74Y &FPF80H W:/B:/LF\$O73WN)AXE92RET
 Y:DAB."73R)EL-HF/(F71M HA/Z.E75H00? ¹²):A\$E74R05)FMA74R):AL"Y/HE81M ZO70)T
 HA/M.:NW.XFH03 HFNI74YXW. LE75/(FY"80P? W:/ZO73)T HA/M.AR:G."(F92H W:/LO71)
)FB73W.) \$:MO75W(A00? ¹³ W:/HFYF63H L/FHE61M D.:BAR-Y:HWF81H? CA74W
 LF/CF62W CA70W LF/CFW03 QA70W LF/QFW03 QA74W LF/QF80W? Z:("71YR \$F73M
 Z:("74YR \$F92M? L:MA63(AN Y"L:K61W. W:/KF\$:L70W.)FXOWR03 W:/NI\$:B.F80RW.
 W:/NOWQ:\$73W. W:/NIL:K.F75DW.00 ¹⁴ LF/K"91N \$IM:(71W. D:BAR-Y:HWF73H
)AN:\$"74Y LFCO92WN? MO75\$:L"Y03 HF/(F74M HA/Z.E80H)A\$E73R

B.I/YRW.\$FLF75IM00? ¹⁵ K.I74Y K.I74Y):AMAR:T.E81M):AMAR:T.E81M
K.FRA70T:N75W. K.FRA70T:N75W. B:RIYT03 B:RIYT03)ET-)ET-MF80WET? MF80WET?
W:/(IM-W:/(IM-\$.)O73WL \$.)O73WL (F&I74YNW. (F&I74YNW. XOZE92H? XOZE92H?
**\$O74W+ **\$O74W+ \$OW+"70P \$OW+"70P **YA95(:ABOR03 K.I75Y-LO74)
**YA95(:ABOR03 Y:BOW)/"80NW.? LO74) K.I74Y Y:BOW)/"80NW.? &A94M:NW. K.I74Y
KFZF91B &A94M:NW. MAX:S/"73NW. KFZF91B W./BA/\$.E71QER MAX:S/"73NW.
NIS:T.F75R:NW.00 W./BA/\$.E71QER NIS:T.F75R:NW.00 ¹⁶ LF/K"81N K.O70H)FMAR03
):ADONF74Y Y:HWI80H? HIN:/NI91Y YIS.A71D B.:CIY.O73WN)F92BEN)E74BEN
B.O61XAN? P.IN.A70T YIQ:RAT03 MW.SF74D MW.S.F80D HA75/M.A):AMI73YN LO71)
YFXI75Y\$00? ¹⁷ W:/&AM:T.I70Y M\$:P.F+03 L:/QF80W W./C:DFQF73H L:/M\$:QF92LET?
W:/YF(F70H BFRFD03 MAX:S"74H KFZF80B W:/S"71TER MA73YIM YIS:+O75PW.00?
¹⁸ W:/KUP.A70R B.:RI75YT/:KEM03)ET-MF80WET W:/XFZW.T/:KE71M)ET-\$.)O73WL
LO74) TFQ92W.M? \$O70W+ \$OW+"P03 K.I74Y YA75(:ABO80R WI/H:YI71YTEM L/O73W
L:/MIR:MF75S00 ¹⁹ MI/D."70Y (FB:R/OW03 YIQ.A74X)ET/:KE80M? K.I75Y-BA/B.O94QER
B.A/B.O91QER YA(:ABO73R B.A/Y.O74WM W./BA/L.F92Y:LFH? W:/HFYF71H
RAQ-Z:WF(F73H HFB171YN \$:MW.(F75H00? ²⁰ K.I75Y-QFCA71R HA/M.AC.F73(
M"75/HI&:T.FR"92(A W:/HA/M.AS."KF71H CF73RFH K.:/HIT:K.AN."75S00? ²¹ K.I70Y
K:/HAR-P.:RFCIYM03 YFQ74W.M Y:HWF80H K.:/("73MEQ B.:/GIB:(O74WN YIR:G.F92Z?
LA/(:A&O70WT MA(:A&/"33HW.03 ZF74R MA(:A&/"80HW. W:/LA75/(:ABOD03
(:ABO74DFT/O80W NFK:RIY.F73H? (:ABODFT/O75W00? ²² W:/AT.FH03
)AL-T.IT:LOWCF80CW. P.E75N-YEX:Z:Q73W. MO75WS:R"Y/KE92M? K.I75Y-KFLF63H
W:/NEX:ERFCF61H \$FMA81(:T.IY? M"/)63T)ADONF94Y Y:HWI91H C:BF)O73WT
(AL-K.FL-HF/F75REC00? ²³ HA):AZI71YNW. W:/\$IM:(73W. QOWL/I92Y HAQ:\$I71YBW.
W:/\$IM:(73W.)IM:RFT/I75Y00? ²⁴ H:A/KO74L HA/Y.O80WM YAX:ARO71\$ HA/XOR"73\$
LI/Z:RO92(A Y:PAT.A71X WI75/Y&AD."73D)AD:MFT/O75W00? ²⁵ H:A/LOW)03
)IM-\$IW.F74H PFNE80Y/HF W:/H"PI71YC QE73CAX W:/KAM.O74N YIZ:RO92Q?
W:/&F63M XI+.F70H &OWRFH03 W:/&:(ORF74H NIS:MF80N W:/KUS.E73MET
G.:BULFT/O75W00? ²⁶ W:/YIS.:R/O71W LA/M.IS:P.F73+)ELOHF71Y/W
YOWR/E75N.W.00? ²⁷ K.I74Y LO70) BE75/XFRW.C03 Y74W.DA\$ QE80CAX W:/)OWPA74N
(:AGFLF80H (AL-K.AM.O73N YW.S.F92B? K.I94Y BA/M.A+.E91H Y"XF71BE+ QE73CAX
W:/KAM.O71N B.A/\$.F75BE+00? ²⁸ LE74XEM YW.DF80Q K.I91Y LO71) LF/NE73CAX
)FDO74W\$ Y:DW.\$/E92N.W.? ¹⁴W:/HFMAM G.IL:G.A94L (EG:LFT/O91W
W:/PFRF\$F73Y/W LO75)-Y:DUQ./E75N.W.00? ²⁹ G.AM-ZO85)T M"/(I91M Y:HWF71H
C:BF)O73WT YFCF92)FH? HIP:LI74Y) ("CF80H HIG:D.I73YL T.W.\$IY.F75H00
29 ¹ 10HOWY):ARIY)"74L):ARIY)"80L QIR:YA73T XFNF74H DFWI92D? S:P71W.
\$FNF91H (AL-\$FNF73H XAG.I71YM YIN:QO75PW.00? ² WA/H:ACIYQO73WTIY
LA75):ARIY)"92L W:/HFY:TF70H TA75):ANIY.FH03 WA75):ANIY.F80H? W:/HF71Y:TFH
L/I73Y K.A):ARIY)"75L00 ³ W:/XFNI71YTIY KA/D.73W.R (FLF92Y/IK:? W:/CAR:T.I70Y
(FLA33Y/IK:03 MUC.F80B WA/H:AQI95YMOTI71Y (FLA73Y/IK: M:CURO75T00?
⁴ W:/\$FPAL:T.:03 M"/)E74REC T.:DAB."80RIY W./M"75/(FPF73R T.I\$.A74X)IM:RFT/"92K:?
¹⁴W:75/HFYFH K.:)O70WB M"/)E33REC03 QOWL/"80K: W./M"/(FPF73R)IM:RFT/"71K:
T.:CAP:C"75P00? ⁵ W:/HFYF91H K.:)F71Q D.A73Q H:AMO74WN ZFRF92Y/IK:
W:/K:/MO70C (OB"R03 H:AMO74WN (F75RIYCI80YM? W:/HFYF73H L:/PE71TA(
P.IT:)O75M00 ⁶ M"/(I63M Y:HWF70H C:BF)OWT03 T.IP.FQ"80D? B.:RA71(AM
W./B:/RA73(A\$ W:/QO74WL G.FDO92WL SW.PFH03 W:/S:(FRF80H W:/LA73HAB)"71S
)OWK"LF75H00? ⁷ W:/HFYF81H K.A75/X:ALOWM03 X:AZO74WN LA73Y:LFH?
H:AMOWN03 K.FL-HA/G.OWYI80M HA/C.OB:)I73YM (AL-):ARIY)"92L?
W:/KFL-COBE33Y/HF03 W:/M:CO74DFT/F80H. W:/HA/M.:CIYQI73YM L/F75H.00?
⁸ W:/HFYF83H K.A):A\$ER04 YAX:ALO63M HF/RF("61B W:/HIN."74H)OWK"81L
W:/H"QIYC02 W:/R"YQF74H NAP:\$/OW01? W:/KA):A\$E63R YAX:ALO70M HA/C.FM")03
W:/HIN."74H \$OTE80H W:/H"QIYC03 W:/HIN."74H (FY"80P W:/NAP:\$/O73W
\$OWQ"QF92H? K."74N YI75H:YE81H H:AMOWN03 K.FL-HA/G.OWYI80M
HA/C.OB:)I73YM (AL-HA71R CIY.O75WN00 ⁹ HIT:MAH:M:H74W. W:/T:MF80HW.
HIS:T.A95(A\$:(73W. WF/\$O92(W.? \$F75K:R74W. W:/LO)-YA80YIN NF(73W. W:/LO71)
"\$KF75R00? ¹⁰ K.I75Y-NFSA63K: (:AL"Y/KE70M Y:HWFH03 R74W.XA T.AR:D."MF80H?
WA/Y:(AC."73M)ET-("75YN"Y/KE92M)ET-HA/N.:BIY)I91YM W:/)ET-RF)\$"Y/KE71M
HA/XOZI73YM? K.IS.F75H00? ¹¹ WA/T.:HI63Y L/FKE61M XFZ74W.T HA/K.O81L

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W:/LO75)-YIM.FC"70) BI/M:KIT.FT/OW03 XE80RE&? LA/X:T.O71WT)"03
MI/Y.FQ80W.D W:/LA/X:&O71P MA73YIM MI/G.E75BE)00 ¹⁵ K.I74Y KO75H)-(FMAR04
):ADONF63Y Y:HWI61H Q:DO74W\$ YI&:RF)"81L? B.:/\$W.BF70H WF/NA33XAT03
T.IW.F74\$(80W.N B.:/HA\$:Q"+03 W:/B:/BI+:XF80H T.I75H:YE73HJ3
G.:B75W.RAT:/KE92M? W:/LO73)):ABIYTE75M00 ¹⁶ WA/T.O63)M:R71W. LO)-KI91Y?
(AL-S71W.S NFN73W.S (AL-K."74N T.:NW.S92W.N? W:/(AL-QA74L NIR:K.F80B
(AL-K."73N YIQ.A71L.W. ROD:P"Y/KE75M00? ¹⁷)E74LEP)EXF81D MI/P.:N"Y03
G.A(:ARA74T)EXF80D? MI/P.:N"91Y G.A(:ARA71T X:AMIS.F73H T.FNU92SW. (A74D
)IM-NOWTAR:T.E81M? K.A/T.O33REN03 (AL-RO74)\$ HF/HF80R W:/KA/N."73S
(AL-HA/G.IB:(F75H00? ¹⁸ W:/LF/K"62N Y:XAK.E70H Y:HWFH03 LA75/X:ANAN:/KE80M
W:/LF/K"71N YFR73W.M L:/RA75XEM:/KE92M? K.I75Y-):ELOH"70Y MIS:/P.F+03
Y:HWF80H)A\$:R"73Y K.FL-XO71WK"Y L/O75W00 ¹⁹ K.IY-(A91M B.:CIY.O71WN
Y"\$"73B B.I/YR75W.\$FLF92IM B.FKO74W LO75)-TIB:K.E81H? XFNO70WN YFX:N:/KF03
L:/QO74WL ZA(:AQ/E80KF K.:/\$FM:(FT/O73W (FN/F75K:00? ²⁰ W:/NFTA63N L/FKE94M
):ADONF91Y LE71XEM CF73R W./MA74YIM LF92XAC? W:/LO75)-YIK.FN"71P (OWD03
MOWRE80Y/KF W:/HFY71W. ("YNE73Y/KF RO)O71WT)ET-MOWRE75Y/KF00?
²¹ W:/FZ:NE33Y/KF03 T.IS:MA74(:NFH DFBF80R M"75)AX:ARE73Y/KF L")/MO92R?
ZE70H HA/D.E33REK:03 L:K74W. B/O80W K.I71Y TA):AMI73YNW. W:/KI71Y
TA&:M:/I75YLW.00? ²² W:/+IM.")TE81M)ET-CIP.W.Y03 P.:SIYL"74Y KAS:P:/E80KF
W:/)ET-):APUD.A73T MAS."KA74T Z:HFB/E92KF? T.IZ:R/"M03 K.:MO74W DFWF80H
C"73) T.O71)MAR L/O75W00? ²³ W:/NFTAN04 M:+A63R ZAR:(/AKF61):A\$ER-T.IZ:RA74(
)ET-HF):ADFMF81H? W:/LE33XEM03 T.:B.W.)A74T HF75):ADFMF80H W:/HFYF71H
DF\$"73N W:/\$FM"92N? YIR:(E71H MIQ:NE91Y/KF B.A/Y.O71WM HA/H73W.) K.A71R
NIR:XF75B00? ²⁴ W:/HF):ALFPI74YM W:/HF/(:AYFRI81YM (O75B:D"Y03
HF75):ADFMF80H B.:LI71YL XFMI73YC YO)K"92LW.?):A\$ER-ZORE71H BF/RA73XAT
W:/BA/M.IZ:RE75H00? ²⁵ W:/HFYF74H05 (AL-K.FL-HA74R G.FBO81HA)1 W:/(AL03
K.FL-G.IB:(F74H NI&.F)F80H P.:LFGI73YM? YIB:L"Y-MF92YIM? B.:YOWM03 HE74REG
RF80B B.I/N:PO73L MIG:D.FLI75YM00? ²⁶ W:/HFYF70H)OWR-HA/L.:BFNFH03J3
K.:/O74WR HA75/XAM.F80H W:/O70WR HA75/XAM.FH03 YIH:YE74H \$IB:(FTA80YIM?
K.:/O73WR \$IB:(A74T HA/Y.FMI92YM? B.:YO81WM X:ABO70\$ Y:HWFH03
)ET-\$E74BER (AM./O80W W./MA71XAC MAK.FT/O73W YIR:P.F75)00 ²⁷ HIN."70H
\$"M-Y:HWFH03 B.F74) MI/M.ER:XF80Q B.O("74R)AP./O80W W:/KO73BED MA&.F)F92H?
&:PFTFY/W03 MF74L:JW. ZA80(AM W./L:\$OWN/O73W K.:/)"71\$)OKF75LET00?
²⁸ W:/RW.X/O62W K.:/NA70XAL \$OW+"P03 (AD-CAW.F74)R YE75X:ECE80H?
LA/H:ANFPF71H GOWYI73M B.:NF74PAT \$F92W:) W:/RE74SEN MAT:(E80H (A73L
L:XFY"71Y (AM.I75YM00? ²⁹ HA/\$.IYR03 YI75H:YE74H L/FKE80M K.:/L"73YL
HIT:QAD.E\$-XF92G? W:/&IM:XA74T L"BF81B K.A75/HOWL"K:03 B.E75/XFLI80YL
LF/BO71W) B:/HAR-Y:HWF73H)EL-C71W.R? YI&:RF)"75L00? ³⁰ W:/HI\$:MI63Y(A
Y:HWF61H)ET-HO74WD QOWL/O81W W:/NA70XAT Z:ROW(/OW03 YAR:)E80H?
B.:ZA74(AP)A80P W:/LA73HAB)"74\$)OWK"LF92H NE71PEC WF/ZE73REM
W:/)E71BEN B.FRF75D00? ³¹ K.I75Y-MI/Q.O71WL Y:HWF73H Y"XA74T)A\$.92W.R
B.A/\$."73BE+ YAK.E75H00? ³² W:/HFYF81H W:/HFYF81H K.O70L K.O70L MA75:(ABAR03
MA75:(ABAR03 MA+."74H MA+."74H M75W.SFDF80H M75W.SFDF80H):A\$E63R
):A\$E63R YFNI70YXA YFNI70YXA Y:HWFH03 Y:HWFH03 (FLF80Y/W? (FLF80Y/W?
B.:/TUP.I73YM B.:/TUP.I73YM W:/B:/KIN.ORO92WT W:/B:/KIN.ORO92WT
W:/B:/MIL:X.AMO71WT W:/B:/MIL:X.AMO71WT T.:NW.PF73H T.:NW.PF73H
B./F75M00? NIL:XAM-B./F75M00? ³³ K.I75Y-K.I75Y-(FR70W.K: (FR70W.K:
M"75)ET:MW.L03 M"75)ET:MW.L03 T.FP:T.E80H T.FP:T.E80H **HI91Y)
G.AM-LA/M.E71LEK: **HI91Y) HW.KF73N? LA/M.E71LEK: HE:(MI74YQ HW.KF73N?
HIR:XI92B? HE:(MI74YQ M:DURFT/F81H. HIR:XI92B?)"70\$ M:DURFT/F81H.
W:/("CIYM03)"70\$ HAR:B."80H? W:/("CIYM03 NI\$:MA70T HAR:B."80H? Y:HWFH03
NI\$:MA70T K.:/NA74XAL Y:HWFH03 G.FP:RI80YT K.:/NA74XAL B.O(:ARF73H
G.FP:RI80YT B./F75H.00 B.O(:ARF73H B./F75H.00 **31** ¹ HO74WY HA/Y.OR:DI70YM
MIC:RA33YIM03 L:/(EZ:RF80H (AL-SW.SI73YM YI\$.F("92NW.? WA/Y.IB:++X63W.
(AL-RE61KEB K.I74Y RF81B W:/(A70L P.F75RF\$YIM03 K.I75Y-(FC:M74W. M:)O80D?
W:/LO70) \$F(W.03 (AL-Q:DO74W\$ YI&:RF)"80L W:/)ET-Y:HWF73H LO71) DFRF75\$W.00?
² W:/GAM-H70W.) XFKFM03 WA/Y.F74B") RF80(W:/)ET-D.:BFRF73Y/W LO74)

H"SI92YR? W:/QFM03 (AL-B."74YT M:R"(I80YM W:/(AL-(EZ:RA73T P.O71:(AL"Y
)F75WEN00? 3 W:/MIC:RA70YIM)FDFM03 W:75/LO)-)"80L W:/SW.S"Y/HE71M B.F&F73R
 W:/LO)-R92W.XA? WA75/YHWF62H YA+.E74H YFD/O81W W:/KF\$A70L (OWZ"R03
 W:/NFPA74L (FZU80R W:/YAX:D.F73W K.UL./F71M YIK:LFY75W.N00 4 K.I74Y KO74H
)F75MAR-Y:HWF74H05)"/L/A83Y? K.A):A\$E74R YEH:G.EH04 HF/)AR:Y"63H
 W:/HA/K.:PI61YR (AL-+AR:P./O81W?):A\$E63R YIQ.FR"70) (FLFY/W03 M:LO74)
 RO(I80YM? MI/Q.OWL/FM03 LO74) Y"XF80T W./M"75/H:AMOWN/F73M LO74)
 YA75:(ANE92H? K."81N Y"R"D03 Y:HWF74H C:BF)O80WT LI/C:B.O71)
 (AL-HAR-CIY.O73WN W:/(AL-G.IB:(FT/F75H.00? 5 K.:CIP.:FRI74YM (FPO80WT K."81N
 YFG"91N Y:HWF71H C:BF)O73WT (AL-Y:R75W.\$FLF92IM? G.FNO71WN W:/HIC.I73YL
 P.FSO71XA W:/HIM:LI75Y+00? 6 \$81W.BW. LA):A\$E91R HE:(MI71YQW. SFRF73H
 B.:N"71Y YI&:RF)"75L00 7 10K.IY B.A/Y.O74WM HA/H80W.) YIM:)FS81W.N? 10)IY\$
):ELIYL"74Y KAS:P./O80W WE):ELIYL"73Y Z:HFB/O92W):A\$E63R (F&71W. L/FKE91M
 Y:D"Y/KE73M X"75+:)00? 8 W:/NFPA70L)A\$.W.R03 B.:/XE74REB LO)-)I80Y\$
 W:/XE71REB LO75)-)FDF73M T.O75)K:AL/E92N.W.? W:/NF71S L/OW03
 MI/P.:N"Y-XE80REB W:/BAXW.RF73Y/W LF/MA71S YIH:Y75W.00? 9 W:/SAL:/(OW03
 MI/M.FGO74WR YA75:(ABO80WR W:/XAT.71W. MI/N."73S &FRF92Y/W?
 N:)UM-Y:HWF81H):A\$ER-)71W.R L/OW03 B.:CIY.O80WN W:/TAN.71W.R L/O73W
 B.I/YRW.\$FLF75IM00 32 1 H"71N L:/CE73DEQ YIM:LFK:-ME92LEK: W:/L:/&FRI73YM
 L:/MIS:P.F71+ YF&O75RW.00? 2 W:/HFYFH-)I71Y\$ K.:/MA75X:AB")-R73W.XA
 W:/S"74TER ZF92REM? K.:PAL:G"Y-MA74YIM B.:CFYO80WN K.:C"71L
 SE75LA-(K.FB"73D B.:/E71REC (:AY"PF75H00? 3 W:/LO71) TIS:(E73YNFH ("YN"74Y
 RO)I92YM W:/FZ:N"71Y \$OM:(I73YM T.IQ:\$A75B:NFH00? 4 W:/L:BA71B NIM:HFRI73YM
 YFBI74YN LF/DF92(AT W:/L:\$O74WN (IL.:GI80YM T.:MAH"73R L:/DAB."71R?
 CFXO75WT00? 5 LO75)-YIQ.FR"71) (O91WD L:/NFBF73L NFDI92YB W:/L:/KIYLA85Y
 LO71) Y"75)FM"73R \$O75W(A00? 6 K.I70Y NFBFL03 N:BFLF74H Y:DAB."80R
 W:/LIB./O73W YA:(A&EH-)F92WEN? LA:(A&O74WT XO81NEP W:/L:/DAB."70R
)EL-Y:HWFH03 T.OW(F80H? L:/HFRIYQ03 NE74PE\$ RF("80B W./MA\$:QE71H CFM"73)
 YAX:SI75YR00? 7 W:/K"LA73Y K."LF74Y/W RF(I92YM 10HW.) ZIM.O74WT YF(F80C?
 L:/XAB."70L **:(ANIY.IYM03 B.:/IM:R"Y-\$E80QER W:/B:/DAB."71R)EB:YO73WN
 MIS:P.F75+00? 8 W:/NFDI73YB N:DIYBO74WT YF(F92C W:/H73W.) (AL-N:DIYBO71WT
 YFQ75W.M00 9 NF\$IYM03 \$A75):ANAN.O80WT QO73M:NFH \$:MA74:(NFH QOWL/I92Y?
 B.FNOWT03 B.O75+XO80WT HA):Z"73N.FH)IM:RFT/I75Y00? 10 YFMIYM03 (AL-\$FNF80H
 T.IR:G.A73Z:NFH B.O75+:XO92WT? 10K.IY K.FLF74H BFCI80YR)O73SEP B.:LI71Y
 YFBO75W)00? 11 XIR:DW.03 \$A75):ANAN.O80WT R:GF73ZFH B.O75+:XO92WT?
 P.:SO74+F75H W:/(O80RFH WA/X:AGO73WRFH (AL-X:ALFCF75YIM00?
 12 (AL-\$FDA73YIM SO75P:DI92YM (AL-&:D"Y-XE85MED (AL-G.E73PEN P.ORIY.F75H00?
 13 10(AL)AD:MA74T (AM./I80Y QO71WC \$FMI73YR T.A75(:ALE92H? 10K.IY
 (AL-K.FL-B.FT."74Y MF&O80W& QIR:YF73H (AL.IYZF75H00? 14 K.I75Y-)AR:MO74WN
 NU+.F80\$ H:AMO71WN (I73YR (UZ.F92B? (O74PEL WF/BA61XAN HFYF63H B:(A70D
 M:(FROWT03 (AD-(OWLF80M? M:&O71W& P.:RF)I73YM MIR:("71H (:ADFRI75YM00?
 15 (AD-Y"63(FRE71H (FL"91Y/NW. R73W.XA MI/M.FRO92WM? W:/HFYF70H MID:B.FR03
 LA/K.AR:ME80L **W:/HA/K.AR:ME73L LA/Y.A71(AR Y"XF\$"75B00? 16 W:/\$FKA71N
 B.A/M.ID:B.F73R MIS:P.F92+ W:/C:DFQF73H B.A/K.AR:ME71L T."\$"75B00?
 17 W:/HFYF91H MA(:A&"71H HA/C:DFQF73H \$FLO92WM WA75:(ABODAT03
 HA/C:DFQF80H HAS:Q"71+ WF/BE73+AX (AD-?(OWLF75M00? 18 W:/YF\$A71B (AM./I73Y
 B.I/N:W"74H \$FLO92WM W.95/B:/MIS:K.:NOWT03 MIB:+AXI80YM W:/BI/M:NW.XO73T
 \$A):ANAN.O75WT00? 19 W:/BFRA73D B.:RE74DET HA/Y.F92(AR W:/BA/\$.IP:LF73H
 T.I\$:P.A71L HF/(I75YR00? 20)A\$:R"Y/KE85M ZOR:("73Y (AL-K.FL-MF92YIM
 M:\$AL.:X"71Y RE75GEL-HA/\$.O73WR W:/HA/X:AMO75WR00 33 1 HO74WY \$OWD"81D
 W:/)AT.FH03 LO74) \$FD80W.D W:/BOWG"73D W:/LO)-BF74G:DW. B/O92W?
 K.A/H:ATI75M:/KF70 \$OWD"D03 T.W.\$A80D K.A/N.:LOT:/KF71 LI/B:G.O73D
 YIB:G.:DW.-B/F75K:00 2 Y:HWF71H XFN./"73NW. L:/KF74 QIW.I92YNW.? H:EY"70H
 Z:RO/(FM03 LA/B.:QFRI80YM)AP-Y:\$W.(FT/"73NW. B.:/"71T CFRF75H00? 3 MI/Q.O74WL
 HFMO80WN NFD:D73W. (AM.I92YM M"/RO74WM:MUT/E80KF NFP:C73W.
 G.OWYI75M00? 4 W:/)US.A74P \$:LAL:/KE80M)O73SEP HE75/XFSI92YL K.:/MA\$.A71Q
 G."BI73YM \$OWQ"71Q B./O75W00? 5 NI&:G.F74B Y:HWF80H K.I71Y \$OK"73N

MFRO92WM MIL."74) CIY.O80WN Mİ\$:P.F73+ W:/C:DFQF75H00? ⁶ W:/HFYFH03
):EMW.NA74T (IT.E80Y/KF? XO71SEN Y:\$W.(O73T XFK:MA74T WF/DF92(AT YIR:)A71T
 Y:HWF73H HI71Y))OWCFR/O75W00 ⁷ 10H"N)ER:)EL./F80M CF:(AQ73W. XU92CFH
 MAL:):AK"74Y \$FLO80WM MA73R YIB:K.FY75W.N00? ⁸ NF\$A74M.W. M:SIL.O80WT
 \$FBA73T (OB"74R)O92RAX? H"P"70R B.:RIYT03 MF)A74S (FRI80YM LO71) XF\$A73B
):ENO75W\$00? ⁹)FBA70L)UM:L:LFH03)F80REC HEX:P.I71YR L:BFNO73WN QFMA92L?
 HFYF70H HA/\$.FROWN03 K.F75/(:ARFBF80H W:/NO("71R B.\$F73N W:/KAR:ME75L00?
¹⁰ (AT.F71H)FQ73W.M YO)MA74R Y:HWF92H (AT.FH03)"75ROWMF80M (AT.F73H
)EN.F&"75)00? ¹¹ T.AH:AR71W. X:\$A73\$ T."74L:DW. QA92\$ RW.X:/AKE85M)"73\$
 T.O)KAL:/KE75M00? ¹² W:/HFY71W. (AM.I73YM Mİ&:R:PO74WT &I92YD QOWCI71YM
 K.:SW.XI73YM B.F/)"71\$ YIC.A75T.W.00 ¹³ \$İM:(71W. R:XOWQI73YM):A\$E74R
 (F&I92YTIY W:/D:(71W. Q:ROWBI73YM G.:BURFT/I75Y00? ¹⁴ P.FX:AD70W.
 B:/CIY.OWN03 XA+.F)I80YM)FX:AZF71H R:(FDF73H X:AN"PI92YM? Mİ74Y05
 YFG74W.R L/F81NW. 10)"\$)OWK"LF80H MİY-YFG71W.R L/F73NW. MOWQ:D"71Y
 (OWLF75M00? ¹⁵ HOL"74K: C:DFQO80WT W:/DOB"73R M"75Y\$FRI92YM MO)"62S
 B.:BE74CA(MA(:A\$AQ.O81WT? NO("70R K.AP.FY/W03 Mİ/T.:MO74K: B.A/\$.O80XAD
)O+"70M)FZ:N/OW03 Mİ/\$.:MO74(A D.FMI80YM? W:/OC"71M ("YNF73Y/W
 M"/R:)O71WT B.:RF95(00 ¹⁶ 10HW.) M:ROWMI74YM Yİ\$:K.O80N? M:CFDO71WT
 S:LF(I73YM Mİ&:G.AB./O92W LAX:M/O74W NIT.F80N M"YMF73Y/W
 NE):EMFNI75YM00? ¹⁷ ME71LEK: B.:YFP:Y/O73W T.EX:EZE74YNFH ("YNE92Y/KF
 T.IR:)E73YNFH)E71REC MAR:XAQ.I75YM00? ¹⁸ LIB:/KF73 YEH:G.E74H)"YMF92H
)AY."70H SOP"R03)AY."74H \$OQ"80L)AY."73H SOP"71R)ET-HA/M.IG:D.FLI75YM00?
¹⁹)ET-(A71M NOW(F73Z LO74) TIR:)E92H (A74M (İM:Q"70Y &FPFH03 Mİ/\$.:MO80W(A
 NIL:(A71G LF\$O73WN?)"71YN B.IYNF75H00? ²⁰ X:AZ"74H CIY.O80WN QIR:YA73T
 MO75W(:AD/"92NW.? ("YNEY/KF04 TIR:)E63YNFH Y:RW.\$FLA61IM NFWE74H
 \$A):ANF81N)O70HEL B.AL-YIC:(FN03? B.AL-YIS.A70(Y:T"75DOTFY/W03 LF/NE80CAX
 W:/KFL-X:ABFLF73Y/W B.AL-YIN.FT"75QW.00? ²¹ K.I74Y)İM-\$F62M)AD.I70YR
 Y:HWFH03 L/F80NW. M:QOWM-N:HFRI71YM Y:)ORI73YM RAX:AB"74Y YFDF92YIM?
 B.AL-T."70LEK: B./OW03):FNIY-\$A80YI+ W:/CI71Y)AD.I73YR LO71)
 YA(AB:R/E75N.W.00? ²² K.I70Y Y:HWFH03 \$OP:+"80NW. Y:HWF73H M:XOQ:Q/"92NW.
 Y:HWF71H MAL:K./"73NW. H71W.) YOW\$İY(/"75NW.00? ²³ Nİ+.:73W. X:ABFLF92Y/İK:
 B.AL-Y:XAZ.:Q70W. K"N-T.FR:N/FM03 B.AL-P.F74R:&W. N"80S?)F74Z XUL.A70Q
 (A75D-\$FLFL03 MAR:B.E80H P.IS:XI73YM B.F71Z:ZW. BA75Z00? ²⁴ W./BAL-YO)MA71R
 \$FK"73N XFLI92YTIY HF/(F91M HA/Y.O\$"71B B./F73H. N:&U71) (FWO75N00?
34 ¹ QIR:B70W. GOWYIM03 Lİ/\$:MO80(A W./L:)UM.I73YM HAQ:\$I92YBW.? T.I\$:MA70(
 HF)/F33REC03 W./M:LO)/F80H. T."B"73L W:/KFL-CE):ECF)E75Y/HF00? ² K.I74Y QE70CEP
 LA75/YHWFH03 (AL-K.FL-HA/G.OWYI80M W:/X"MF73H (AL-K.FL-C:BF)/F92M?
 HEX:ERIYM/F73M N:TFN/F71M LA/+.F75BAX00? ³ W:/XAL:L"Y/HE74M YU\$:LF80KW.
 W:/PIG:R"Y/HE73M YA(:ALE74H BF):\$/F92M? W:/NFMA71S.W. HFRI73YM
 Mİ/D.FM/F75M00 ⁴ W:/NFMA33Q.W.03 K.FL-C:BF74) HA/\$.FMA80YIM? W:/NFGO71L.W.
 KA/S."73PER HA/\$.FMF92YIM W:/KFL-C:BF)/F74M YIB.O80WL? K.I/N:BO70L (FLEH03
 Mİ/G.E80PEN W:/K:/NOBE73LET Mİ/T.:)"NF75H00? ⁵ K.I75Y-RIW.:TF71H
 BA/\$.FMA73YIM XAR:B./I92Y? HIN."H03 (AL-):EDO74WM T."R"80D W:/AL-(A71M
 XER:M/I73Y L:/Mİ\$:P.F75+00? ⁶ XE74REB LA/YHWF62H MFL:)F71H DFM03
 HUD.A74\$:NFH M"/X"80LEB? Mİ/D.A70M K.FRIYM03 W:/AT.W.DI80YM M"/X"73LEB
 K.İL.YO74WT)"YLI92YM? K.I74Y ZE70BAX LA75/YHWFH03 B.:BFC:RF380H
 W:/+E71BAX G.FDO73WL B.:)E71REC):EDO75WM00? ⁷ W:/YFR:D70W. R:)"MIYM03
 (İM./F80M W./PFRI73YM (İM-)AB.IYRI92YM? W:/RIW.:TF70H)AR:C/FM03 Mİ/D.F80M
 WA/(:APFR/F73M M"/X"71LEB Y:DU\$.F75N00? ⁸ K.I91Y YO71WM NFQF73M
 LA75/YHWF92H \$:NA71T \$İL.W.MI73YM L:/RI71YB CIY.O75WN00? ⁹ W:/NEHEP:K70W.
 N:XFLE33Y/HF03 L:/ZE80PET WA/(:APFR/F73H. L:/GFP:RI92YT? W:/HFY:TF74H
)AR:C/F80H. L:/ZE73PET B.O("RF75H00? ¹⁰ LA70Y:LFH W:/YOWMFM03 LO74)
 TIK:B.E80H L:/OWLF73M YA(:ALE74H (:A\$FN/F92H.? Mİ/D.O70WR LF/DOWR03
 T.EX:ERF80B L:/N"74CAX N:CFXI80YM)"71YN (OB"73R B./F75H.00?
¹¹ Wİ/YR"\$33W./HF03 QF)A74T W:/QIP.O80WD W:/YAN:\$O71WP W:/OR"73B
 Yİ\$:K.:NW.-B/F92H.? W:/NF+F71H (FLE91Y/HF QA75W-TO73HW.
 W:/)AB:N"Y-BO75HW.00? ¹² XORE71Y/HF? W:/)"75YN-\$F73M M:LW.KF74H YIQ:RF92)W.

W:/KFL-&FRE73Y/HF YI71H:YW.)F75PES00? ¹³ W:/(FL:TF70H)AR:M:NOTE33Y/HF03
SIYRI80YM QIM.O71W& WF/XO73WXA B.:MIB:CFRE92Y/HF? W:/HFY:TFH03 N:W"74H
TAN.I80YM XFCI73YR LI/B:NO71WT YA:(ANF75H00? ¹⁴ W:/PFG:\$70W. CIY.IYM03
)ET-)IY.I80YM W:/&F(I73YR (AL-R"/("74HW. YIQ:RF92)?)AK:-\$FM03 HIR:G.I74Y(FH
L.IYLI80YT W:/MFC:)F71H L/F73H. MFNO75WXA00? ¹⁵ \$F74M.FH QIN:.NF70H
QIP.OWZ03 WA/T.:MAL."80+ W:/BFQ:(F73H W:/DFG:RF74H B:/CIL:/F92H.?)AK:-\$F91M
NIQ:B.:C71W. DAY.O73WT)I\$.F71H R:(W.T/F75H.00? ¹⁶ D.IR:\$63W. M"75/(AL-S"70PER
Y:HWFH03 W.95/Q:RF80)W.)AXA70T M"/H"33N.FH03 LO74) NE:(D.F80RFH?)I\$.F71H
R:(W.T/F73H. LO74) PFQF92DW. K.I75Y-P/IY03 H74W.) CIW.F80H W:/RW.X/O73W
H71W.)? QIB.:CF75N00? ¹⁷ W:/H75W.)-HIP.I70YL L/FHEN03 G.OWRF80L W:/YFD/O91W
XIL.:QA71T.FH L/FHE73M B.A/Q.F92W? (AD-(OWLFM03 YI75YRF\$80W./HF L:/DO71WR
WF/DO73WR YIS:K.:NW.-B/F75H.00 **35** ¹ Y:&U&71W./M MID:B.F73R W:/CIY.F92H
W:/TFG"94L (:ARFBF91H W:/TIP:RA73X? K.A/X:ABAC.F75LET00 ² P.FRO63XA
T.IP:RA61X W:/TFG"81L 10)AP G.IYLA74T W:/RAN."80N? K.:BO70WD HA/L.:BFNOWN03
NIT.AN-L/F80H. H:ADA71R HA/K.AR:ME73L W:/HA/\$.FRO92WN? H"91M.FH YIR:)71W.
K:BOWD-Y:HWF73H H:ADA71R)ELOH"75Y/NW.00 ³ XAZ.:Q73W. YFDA74YIM
RFPO92WT W:/BIR:K.A71YIM K.O\$:LO73WT)AM."75CW.00? ⁴)IM:RW.03
L:/NIM:H:AR"Y-L"80B XIZ:Q73W.)AL-T.IYRF92)W.? HIN."70H)ELO75H"Y/KEM03
NFQF74M YFBO80W)? G.:M74W.L)ELOHI80YM H71W.) YFBO73W)
W:/YO\$A/(:AKE75M00? ⁵)F71Z T.IP.FQA73X:NFH ("YN"74Y (IW:RI92YM W:/)FZ:N"71Y
X"R:\$I73YM T.IP.FTA75X:NFH00? ⁶)F74Z Y:DAL."70G K.F75/)AY.FL03 P.IS."80XA
W:/TFRO73N L:\$O74WN)IL."92M? K.I75Y-NIB:Q:(70W. BA/M.ID:B.FR03 MA80YIM
W/N:XFLI73YM B.F/(:ARFBF75H00? ⁷ W:/HFYF70H HA/\$.FRFB03 LA/):AGA80M
W:/CIM.F)O73WN L:/MAB.74W.("Y MF92YIM? B.I/N:W"70H TAN.IYM03 RIB:C/F80H.
XFCI73YR L:/QFNE71H WF/GO75ME)00? ⁸ W:/HFYFH-\$F62M MAS:L74W.L WF/DE81REK:
W:/DE70REK: HA/Q.O33DE\$03 YIQ.F74R") L/F80H.? LO75)-YA(AB:R/E71N.W. +FM"73)
W:/HW.)-L/F92MOW HOL"71K: D.E91REK: WE/):EWIYLI73YM LO71)? YIT:(75W.00?
⁹ LO)-YIH:YE63H \$F61M)AR:Y"81H W:/P:RI70YC XAY.OWT03 B.A75L-YA:(AL/E80N.FH
LO71) TIM.FC"73)? \$F92M W:/HFL:K73W. G.:JW.LI75YM00 ¹⁰ W:/P:DW.Y"63Y Y:HWF61H
Y:SUB81W.N? W:/BF70)W. CIY.OWN03 B.:RIN.F80H W:/&IM:XA71T (OWLF73M
(AL-RO)\$F92M? &F&O70WN W:/&IM:XFH03 YA&.I80YGW. W:/NF73SW. YFGO71WN
WA/):ANFXF75H00 **36** ¹ WA/Y:HI83Y B.:/):AR:B.A(04 (E&:R"63H \$FNF61H LA/M.E74LEK:
XIZ:QIY.F81HW. (FLF62H SAN:X"RI70YB ME75LEK:-)A\$.W.R03? (A74L K.FL-(FR"94Y
Y:HW.DF91H HA/B.:CURO73WT WA75/Y.IT:P.:&/"75M00 ²)ET-?WA/Y.IS:LA74X
RAB-ME75LEK:-\$FQ"63H)A\$.74W.R05 MI/L.FKI94Y\$)ET-?Y:RW.\$FLA91:M/FH
RAB-JEL-\$FQ"63H HA/M.E71LEK: MI/L.FKI94Y\$ XIZ:QIY.F73HW. Y:RW.\$FLA91:M/FH
B.:X"74YL)EL-K.FB"92D HA/M.E71LEK: WA75/Y.A(:AMO81D? XIZ:QIY.F73HW.
B.I/T:(FLAT03 B.:X"74YL HA/B.:R"KF74H K.FB"92D HF/(EL:YOWNF80H
WA75/Y.A(:AMO81D? B.I/M:SIL.A73T B.I/T:(FLAT03 &:D"71H HA/B.:R"KF74H
KOWB"75S00 HF/(EL:YOWNF80H B.I/M:SIL.A73T &:D"71H KOWB"75S00 ³ WA/Y."C"71)
)"LF91Y/W)EL:YFQI71YM? B.EN-XIL:QIY.F73HW.)A\$E74R (AL-HA/B.F92YIT
W:/(\$EB:NF)03 HA/S.OP"80R W:/YOW)F71X B.EN-)FSF73P HA/M.AZ:K.I75YR00?
⁴ WA/Y.O70)MER)AL"Y/HEM03 RAB-\$FQ"80H)IM:RW.-NF73))EL-XIZ:QIY.F92HW.
K.O75H)-FMA62R HA/M.E70LEK:? HA/G.FDOWL03 ME74LEK:)A\$.80W.R MF94H
HA/B.I+.FXO91WN HA/Z.E73H)A\$E71R B.F+F75X:T.F00 ⁵)FMA33R:T.IY03
)AK:-?D.:BAR-&:PFTA80YIM ("CF71H W:/G:BW.RF73H LA/M.IL:XFMF92H (AT.FH03
(AL-MI74Y BF+A80X:T.F K.I71Y MFRA73D:T.F? B./I75Y00 ⁶ HIN."74H BF+A83X:T.F
(AL-MI\$:(ENET04 HA/Q.FNE63H HF/RFC70W.C HA/Z.EH03 (AL-MIC:RA80YIM
):A\$E63R? YIS.FM"71K:)IY\$03 (FLF80Y/W W:/BF71) B:/KAP./O73W W:/N:QFB/F92H.
10K."N P.AR:(O74H ME75LEK:-MIC:RA80YIM L:/KF75L-?HA/B.O+:XI73YM (FLF75Y/W00
⁷ W:/KIY-TO)MA74R)"L/A80Y)EL-Y:HWF71H)ELOH"73Y/NW. B.F+F92X:NW.
H:A/LOW)-?H81W.)):A\$E63R H"SI70YR XIZ:QIY.F33HW.03)ET-B.FMOTF74Y/W
W:/)ET-MIZ:B.:XOTF80Y/W WA/Y.O70)MER LI75/YHW.DFH03 W:/LI/YR74W.\$FLA80IM
LI/P:N"91Y HA/M.IZ:B."71XA HA/Z.E73H T.I75\$:T.AX:AW95W.00 ⁸ W:/)AT.FH03
HIT:(F74REB NF80))ET-?):ADON/I73Y HA/M.E74LEK:)A\$.92W.R W:/)ET:-NF70H L:/KF03
)AL:P.A74YIM SW.SI80YM)IM-T.W.KA85L LF71/TET L:/KF73? ROK:BI71YM
(:AL"Y/HE75M00 ⁹ W:/)"74YK: T.F\$181YB 14)"T P.:N"63Y PAXA71T)AXA91D (AB:D"71Y

):ADON/I73Y HA/Q:+AN.I92YM? WA/T.IB:+A70X L:/KF03 (AL-MIC:RA80YIM
 L:/RE73KEB W./L:/PFRF\$175YM00 10 W:/ (AT.FH03 H:A/MI/B.AL:(AD"74Y Y:HWF80H?
 (FLI91YTIY (AL-HF)/F71REC HA/Z.O73)T L:/HA\$:XIYT/F92H. Y:HWFH03)FMA74R
)"L/A80Y (:AL"91H)EL-HF)/F71REC? HA/Z.O73)T W:/HA\$:XIYT/F75H.00
 11 WA/Y.O74)MER)EL:YFQIYM04 W:/SEB:Nf63) W:/YOW)F61X)EL-RAB-?SFQ"81H
 D.AB.ER-NF70))EL-(ABFDE33Y/KF03):ARFMI80YT K.I71Y \$OM:(I73YM):ANF92X:NW.
 W:/)AL-T.:DAB."70R?)"L"33Y/NW.03 Y:HW.DI80YT B.:/FZ:N"74Y HF/(F80M):A\$E73R
 (AL-HA/XOWMF75H00 12 WA/Y.O74)MER WA/Y.O74)MER RAB-RAB-\$FQ"81H?
 \$FQ"81H? HA/E63L HA/E63L):ADONE70Y/KF):ADONE70Y/KF W:/)"LE33Y/KF03
 W:/)"LE33Y/KF03 \$:LFX/A74NIY \$:LFX/A74NIY):ADON/I80Y):ADON/I80Y L:/DAB."73R
 L:/DAB."73R)ET-JET-HA/D.:BFRI74YM HA/D.:BFRI74YM HF/"92L.EH HF/"92L.EH
 H:A/LO74)? H:A/LO74)? (AL-(AL-HF/):ANF\$181YM HF/):ANF\$181YM HA/Y.O75\$:BIYM03
 HA/Y.O75\$:BIYM03 (AL-(AL-HA74/XOWMF80H HA74/XOWMF80H LE/):EKO74L
 LE/):EKO74L **COW)FT/F81M)ET-W:/LI/\$:T.O91WT **COW)FT/F81M **M"YM"71Y
 W:/LI/\$:T.O91WT **RAG:L"Y/HE73M)ET-?(IM./FKE75M00 **M"YM"71Y
 **RAG:L"Y/HE73M (IM./FKE75M00 13 WA75/Y.A:(AMOD03 RAB-\$FQ"80H WA/Y.IQ:RF71)
 B:/QOWL-G.FDO73WL Y:HW.DI92YT? WA/Y.O85)MER \$IM:(81W.)ET-D.IB:R"91Y
 HA/M.E71LEK: HA/G.FDO73WL ME71LEK:)A\$.75W.R00 14 10K.OH)FMA74R?
 HA/M.E80LEK:)AL-YA\$.I71) L/FKE73M XIZ:QIY.F92HW. K.I71Y LO75)-YW.KA73L
 L:/HAC.I71YL)ET/:KE75M00 15 W:/)AL-?YAB:+A63X)ET/:KE70M XIZ:QIY.F33HW.03
)EL-Y:HWF74H L"/)MO80R HAC."71L YAC.IYL/"73NW. Y:HWF92H LO70) TIN.FT"N03?
 HF/(I74YR HA/Z.O80)T B.:YA73D ME71LEK:)A\$.75W.R00 16)A75L-T.IS:.(73W.
)EL-XIZ:QIY.F92HW. K.IY04 KO63H?)FMA61R HA/M.E74LEK:)A\$.81W.R
 (:A&75W.-)IT./I70Y B:RFKFH03 W:/C:/74W.)"L/A80Y W:/)IK:L70W.)IY\$-G.AP:N/OW03
 W:/)I74Y\$? T.:)"NFT/O80W W:/\$.T73W.)I71Y\$ M"Y-BOWR/O75W00 17 (AD-B.O)/I85Y
 W:/LFQAX:T.I71Y)ET/:KE73M)EL-JE74REC? K.:/AR:C:/KE92M)E70REC D.FGFN03
 W:/TIYRO80W\$)E71REC LE73XEM W:/K:RFMI75YM00 18 P.EN-YAS.I63YT)ET/:KE70M?
 XIZ:QIY.F33HW.03 L"/)MO80R Y:HWF73H YAC.IYL/"92NW. HA/HIC.I61Y.LW.
):ELOH"70Y HA/G.OYIM03)I74Y\$)ET-)AR:C/O80W MI/Y.A73D? ME71LEK:
)A\$.75W.R00 19)AY."62H):ELOH"70Y X:AMFT03 W:/)AR:P.F80D)AY."73H):ELOH"74Y
 S:PAR:WF92YIM W:/KI75Y-?HIC.I71YLW.)ET-\$OM:RO73WN MI/Y.FD/I75Y00 20 MI81Y
 B.:/KFL-):ELOH"70Y HF75/):ARFCOWT03 HF/)"80L.EH):A\$ER-?HIC.I71YLW.
)ET-)AR:C/F73M MI/Y.FD/I92Y K.I75Y-YAC.I94YL Y:HWF91H)ET-Y:RW.\$FLA73IM
 MI/Y.FD/I75Y00 21 WA75/Y.AX:ARI80Y\$W.? W:/LO75)-(FN71W.)OT/O73W D.FBF92R
 K.I75Y-MIC:WA63T HA/M.E71LEK: HI91Y) L"/)MO73R LO71) TA:(ANU75/HW.00?
 22 WA/Y.FBO74))EL:YFQI74YM B.EN-XIL:QIY.F74HW.):A\$ER-(AL-14HA/B.AYIT
 W:/SEB:Nf63) HA/S.OWP"61R W:/YOW)F63X? B.EN-)FSF94P HA/M.AZ:K.I91YR
)EL-XIZ:QIY.F73HW. Q:RW.("74Y B:GFDI92YM WA/Y.AG.I74YDW. L/O80W)"73T
 D.IB:R"71Y RAB-?SFQ"75H00 37 1 WA/Y:HI81Y K.I/\$:MO33(A03 HA/M.E74LEK:
 XIZ:QIY.F80HW. WA/Y.IQ:RA73()ET-B.:GDFD92Y/W WA/Y.IT:K.A74S B.A/&.F80Q
 WA/Y.FBO73) B."71YT? Y:HWF75H00 2 14WA/Y.IS:LAX)ET-)EL:YFQI63YM
):A\$ER-(AL-HA/B.A61YIT W:/)"74T05 \$EB:Nf74) HA/S.OWP"81R? W:/)"T03 ZIQ:N"74Y
 HA/K.OH:ANI80YM MIT:K.AS.I73YM B.A/&.AQ.I92YM)EL-Y:\$A75(:YF71HW.
 BEN-)FMO73WC HA/N.FBI75Y)00? 3 WA/Y.O)M:R74W.)"LF81Y/W 10K.OH)FMA74R
 XIZ:QIY.F80HW. YOWM-CFRF94H W:/TOWK"XF91H W:/N:)FCF73H HA/Y.O74YM
 HA/Z.E92H? K.I74Y BF70)W. BFNIYM03 (AD-MA\$:B."80R W:/KO71XA)A73WIN
 L:/L"DF75H00 4)W.LA83Y YI\$:MA(04 Y:HWF63H):ELOHE61Y/KF?)"74T05 D.IB:R"74Y
 RAB-\$FQ"81H):A\$ER04 \$:LFX/O63W ME75LEK:-)A\$.70W.R05):ADONFY/W03
 L:/XFR"P03):ELOHI74YM? XA80Y W:/HOWKI33YXA03 B.A/D.:BFRI80YM):A\$E71R
 \$FMA73(Y:HWF74H):ELOHE92Y/KF W:/NF&F74)TF T:PIL.F80H B.:A71D?
 HA/\$:)"RI73YT HA/N.IM:CF)F75H00 5 WA/Y.FBO81)W. (AB:D"91Y HA/M.E71LEK:
 XIZ:QIY.F73HW.)EL-Y:\$A(:YF75HW.00? 6 WA/Y.O70)MER):AL"Y/HEM03
 Y:\$A75(:YF80HW. K.O71H TO)M:R73W.N)EL-):ADON"Y/KE92M K.O74H05)FMA74R
 Y:HWF81H?)AL-T.IYRF)03 MI/P.:N"70Y HA/D.:BFRIYM03):A\$E74R \$FMA80:(T.F
):A\$E94R G.ID.:P91W. NA(:AR"71Y MELEK:-)A\$.73W.R?)OWT/I75Y00 7 HIN:/NI63Y
 NOWT"71N B:/OW03 R80W.XA W:/\$FMA71(\$:MW.(F73H W:/\$F74B)EL-)AR:C/O92W
 W:/HIP.AL:T.I71Y/W? B.A/XE73REB B.:/AR:C/O75W00 8 WA/Y.F33\$FB03 RAB-\$FQ"80H

WA/Y.IM:CF)03)ET-ME74LEK:)A\$.80W.R? NIL:XF73M (AL-LIB:NF92H K.I74Y \$FMA80(K.I71Y NFSA73(MI/L.FKI75Y\$00⁹ WA/Y.I\$:MA81((AL-T.IR:HF70QFH? ME75LEK:-K.W.\$03 L"/)MO80R YFCF73) L:/HIL.FX"74M)IT./F92K: WA/Y.I\$:MA(03 WA/Y.I\$:LA74X MAL:FKI80YM)EL-?XIZ:QIY.F73HW. L"/)MO75R00¹⁰ K.O74H TO)M:R81W.N)EL-XIZ:QIY.F70HW. ME75LEK:-Y:HW.DFH03 L"/)MO80R)AL-?YA\$.I):AKF74J3)ELOHE80Y/KF)A\$E71R)AT.F91H B.OW+"71XA B./O73W L"/)MO92R LO70) TIN.FT"N03 Y:R74W.\$FLA80IM B.:YA73D ME71LEK:?)A\$.75W.R00¹¹ HIN."74H05)AT.F74H \$FMA81(:T.F)A\$E63R (F&61W. MAL:K"71Y)A\$.91W.R L:/KFL-HF/):ARFCO73WT? L:/HAX:ARIYM/F92M W:/)AT.F73H T.IN.FC"75L00¹² HA/HIC.I63YLV.)OWT/F61M):ELOH"70Y HA/G.OWYIM03):A\$E74R HI\$:XI74YTW.?):ABOWT/A80Y)ET-G.OWZF73N W:/)ET-XFRF92N W:/RE71CEP W.B:N"Y-(E73DEN):A\$E71R B.I/T:LA&.F75R00¹³)AY."70H? ME75LEK:-X:AMFT03 W./ME74LEK:)AR:P.F80D W./ME73LEK: LF/(I74YR S:PAR:WF92YIM H"NA73(W:/IW.F75H00?)¹⁴ WA/Y.IQ.A63X XIZ:QIY.F94HW.)ET-HA/S.:PFRI91YM MI/Y.A71D HA/M.AL:FKI73YM WA/Y.IQ:RF/)"92HW. WA/Y.A33(AL03 B."74YT? Y:HWF80H WA/Y.IP:R:&/"71HW. XIZ:QIY.F73HW. LI/P:N"71Y Y:HWF75H00¹⁵ WA/Y.IT:P.AL."L03 XIZ:QIY.F80HW.)EL-Y:HWF73H? L"/)MO75R00¹⁶ Y:HWF63H C:BF)O61WT):ELOH"70Y YI&:RF)"L03 YO\$"74B HA/K.:RUBI80YM)AT.FH-H70W.)? HF75/):ELOHIYM03 L:/BAD.:KF80 L:/KO73L MAM:L:KO74WT HF/)F92REC)AT.F74H (F&I80YTF)ET-HA/\$.FMA73YIM W:/)ET-?HF/)F75REC00¹⁷ HA+. "63H Y:HWF70H05)FZ:N/:KF03 W.95/\$:MF80(P.:QA94X Y:HWF91H ("YN/E73KF W./R:)"92H W./\$:MA81(10)"T? K.FL-D.IB:R"74Y SAN:X"RI80YB):A\$E74R \$FLA80X L:/XFR"73P):ELOHI71YM XF75Y00?¹⁸)FM:NF73M Y:HWF92H? HEX:ERI61YBW. MAL:K"71Y)A\$.91W.R)ET-K.FL-HF/):ARFCO73WT W:/)ET-)AR:C/F75M00¹⁹ W:/NFTO71N)ET-?):ELOH"Y/HE73M B.F/)"92\$ K.IY04 LO63)):ELOHI61YM H"81M.FH K.I74Y)IM-MA(:A&"94H Y:D"75Y-)FDF91M ("71C WF/E73BEN? WA75/Y:)AB.:D75W./M00²⁰ W:/)AT.FH03 Y:HWF74H):ELOH"80Y/NW. HOW\$YI("73NW. MI/YFD/O92W)1 W:/Y"75D:(W.03 K.FL-MAM:L:KO74WT? HF/)F80REC K.I75Y-)AT.F71H Y:HWF73H L:/BAD./E75KF00²¹ WA/Y.I\$:LAX03 Y:\$A75(-YF74HW. BEN-?)FMO80WC)EL-XIZ:QIY.F73HW. L"/)MO92R K.O75H-)FMA70R Y:HWFH03):ELOH"74Y YI&:RF)"80L):A\$ER03 HIT:P.AL.A74L:T.F?)"L/A80Y)EL-SAN:X"RI73YB ME71LEK:)A\$.75W.R00²² ZE74H HA/D.FBF80R):A\$ER-D.IB.E71R Y:HWF73H (FLF92Y/W? B.FZF63H L:/KF61 LF(:AGF74H L:/KF81 B.:TW.LAT03 B.AT-CIY.O80WN?))AX:ARE33Y/KF03 RO74)\$ H"NI80Y(FH B.A73T Y:RW.\$FLF75IM00?²³)ET-MI70Y X"RA33P:T.F03 W:/GID.A80P:T.F W:/)AL-MI73Y H:ARIYMO74WTFH Q.O92WL? WA/T.I&.F71) MFRO91WM ("YNE73Y/KF)EL-Q:DO71W\$ YI&:RF)"75L00?²⁴ B.:YA74D (:ABFDEY/KF02 X"RA74P:T.F05):ADONFY01 WA/T.O81)MER B.:RO71B RIK:B./I91Y?):ANI71Y (FLI91YTIY M:RO71WM HFRI73YM YAR:K.:T"74Y L:BFNO92WN? W:/)EK:RO62T QOWMA70T):ARFZFY/W03 MIB:XA74R B.:RO\$F80Y/W? W:/)FBOW)03 M:RO74WM QIC./O80W YA73(AR K.AR:MIL./O75W00?²⁵):ANI71Y QA73R:T.IY W:/\$FTI74YTIY MF92YIM? W:/)AX:RIB03 B.:KAP-P:(FM/A80Y K.O73L Y:)OR"71Y MFCO75WR00?²⁶ H:A/LO75W)-\$FMA70(:T.F L:/M"75/RFXOWQ03)OWT/F74H. (F&I80YTIY? MI71/YM"Y QE73DEM WI/YCAR:T.I92Y/HF (AT.F74H H:AB")TI80Y/HF? W./T:HI81Y L:/HA\$)O91WT G.AL.I71YM NIC.I73YM (FRI71YM B.:CURO75WT00?²⁷ W:/YO75\$:B"Y/HEN03 QIC:R"Y-YF80D XA73T.W. WF/BO92\$W.? HFY62W. ("70&EB &FDEH03 WI74/YRAQ D.E80\$E)? X:ACI74YR G.AG.O80WT W./\$:D"MF73H LI/P:N"71Y QFMF75H00?²⁸ W:/SIB:T.:KF91 W:/C")T:/KF71 W./BOW/):AKF73 YFDF92(:T.IY W:/)"73T HI75T:RAG.EZ:/KF71)"L/F75Y00?²⁹ 10YA(AN HIT:RAG.EZ:/KF74)"L/A80Y W:/\$A):ANAN:/KF73 (FLF74H B:/)FZ:N/F92Y? W:/&AM:T.I63Y XAX/I61Y B.:)AP./E81KF W./MIT:G./IY03 B.I/&:PFTE80Y/KF? WA/H:A\$I74YB0TI80Y/KF B.A/D.E73REK:):A\$ER-B.F71)TF B./F75H.00?³⁰ W:/ZEH-L.:KF74 HF/)O80WT?)FKO70WL HA/\$.FNFH03 SFPI80YXA W./BA/\$.FNF71H HA/\$."NI73YT \$FXI92YS? W./BA/\$.FNF74H HA/\$.:LIY\$I81YT ZIR:(94W. W:/QIC:R91W. W:/NI+: (71W. K:RFMI73YM **W:/)IK:L71W. PIR:Y/F75M00?³¹ W:/YF63S:PF61H P.:L"Y+A94T B."YT-Y:HW.DF91H HA/N.I\$:)FRF73H \$O74RE\$ L:/MF92+.FH W:/)F&F71H P:RI73Y? L:/MF75(:L/FH00?³² K.I70Y MI/YR75W.\$FLA33IM03 T."C"74) \$:)RI80YT W./P:L"Y+F73H M"/HA74R CIY.O92WN? QIN:)A91T Y:HWF71H C:BF)O73WT T.A75(:A&EH-Z.O75)T00³³ LF/K"81N K.O75H-)FMA70R Y:HWFH03)EL-ME74LEK:)A\$.80W.R? LO70) YFBOW)03

HF/(I74YR HA/Z.O80)T W:/LO75)-YOWRE71H \$F73M X"92C?
W:/LO75)-Y:QAD.:M/E74N.FH MFG"80N W:/LO75)-YI\$:P.O71K: (:FLE73Y/HF]1
SOL:LF75H00? ³⁴ B.A/D.E71REK:):A\$ER-B.F73) B./F74H. YF\$92W.B W:/)EL-HF/(I71YR
HA/Z.O91)T LO71) YFBO73W) N:)UM-?Y:HW75H00? ³⁵ W:/GAN.OWTI91Y
(AL-HF/(I71YR HA/Z.O73)T L:/HO75W\$YI/(F92H. L:MA75(:AN/I80Y W:/L:MA73(AN
D.FWI71D? (AB:D./I75Y00 ³⁶ WA/Y."C"74)05 MAL:)A74K: Y:HW75H00? ³⁷ WA/Y.IS.A74(WA/Y."80LEK: WA/Y.F73\$FB SAN:X"RI74YB? ME75LEK:-)A\$.92W.R
WA/Y."73\$EB B.:NI75YN:W"75H00 ³⁸ WA/Y:HIY04 H63W.)j3 MI75\$:T.AX:AW61H
B."74YT05 NIS:RO74K:):ELOHF81Y/W? W:75/)AD:RAM.E63LEK: W:/&AR:JE70CER
B.FNFY/W03 HIK.U74/HW. BA/XE80REB W:/H"71M.FH NIM:L:+73W.)E74REC
):ARFRF92+? WA/Y.IM:LO91K:)"75SAR-XAD.O71N B.:N/O73W T.AX:T.F75Y/W00
38 ¹ B.A/Y.FMI74YM HF/H"80M XFLF71H XIZ:QIY.F73HW. LF/M92W.T WA/Y.FBO74W)
14)"LFY/W Y:\$A(:YF63HW. BEN-)FMO61WC? HA/N.FBI81Y) WA/Y.O63)MER)"LF61Y/W
K.O75H-)FMA70R Y:HW75H00 CA74W L:/B"YT/E80KF K.I91Y M"71T)AT.F73H W:/LO71)?
TI75X:YE75H00 ² WA/Y.AS."94B XIZ:QIY.F91HW. P.FNF73Y/W)EL-HA/Q.I92YR
WA/Y.IT:P.AL."73L)EL-Y:HW75H00 ³ WA/Y.O)MA81R?)FN.F70H Y:HW75H00
Z:KFR-NF62))"74T):A\$E94R HIT:HAL.A74K:T.IY L:/PFNE81Y/KF B.E75):EMET03
W:/B:/L"74B \$FL"80M? W:/HA/+.O71WB B.:("YNE73Y/KF (F&I92YTIY WA/Y."71B:K.:
XIZ:QIY.F73HW. B.:KI71Y GFDO75WL00 ⁴ WA75/Y:HIY03 D.:BAR-?Y:HW75H00
)E75L-Y:\$A(:YF73HW. L")/MO75R00 ⁵ HFLO62WK: W:/)FMAR:T.F74)EL-XIZ:QIY.F81HW.
K.O75H-)FMA70R? Y:HW75H00):ELOH"Y03 D.FWI74D)FBI80Y/KF \$FMA33(:T.IY03
)ET-T.:PIL.FT/E80KF RF)I73YTIY)ET-D.IM:(FT/E92KF HIN:/NIY03? YOWSI74P
(AL-YFME80Y/KF X:AM"71\$ (E&:R"73H \$FNF75H00 ⁶ W:/MI/K.A70P
ME75LEK:-)A\$.W.R03)AC.I74YL:/KF80 W:/)73T? HF/(I74YR HA/Z.O92)T
W:/GAN.OWTI73Y (AL-HF/(I71YR HA/Z.O75)T00 ⁷ W:/ZEH-L:/KF71 HF/)O73WT M")/74T
Y:HW75H00?):A\$ER03 YA(:A&E74H Y:HW75H00)ET-HA/D.FBF71R HA/Z.E73H):A\$E71R
D.IB."75R00 ⁸ HIN:/NI74Y M"\$I74YB)ET-?C"74L HA75/M.A(:ALO83WT):A\$E74R
YFR:DFH04 B:/MA(:ALO63WT)FXF71Z B.A/\$.E91ME\$):AXORAN.I73YT (E74&ER?
MA(:ALO92WT WA/T.F70\$FB HA/\$.E33ME\$03 (E74&ER MA(:ALO80WT
B.A75/M.A(:ALO73WT):A\$E71R YFRF75DFH00 ⁹ MIK:T.F73B L:/XIZ:QIY.F74HW.
ME75LEK:-Y:HW.DF92H B.A/X:ALOT/O85W WA/Y:XI73Y M"/XFL:Y/O75W00?
¹⁰):ANI74Y)FMA81R:T.IY B.I/D:MI71Y YFM/A91Y)"L"/73KFH? B.:\$A(:AR"74Y
\$:)O92WL P.UQ.A73D:T.IY YE71TER \$:NOWT/F75Y00? ¹¹)FMA33R:T.IY03 LO)-)ER:)E74H
YF80H. YF73H. B.:/E74REC HA/XAY.I92YM? LO)-)AB.I71Y+)FDF91M (O73WD
(IM-YO71W\$B"Y XF75DEL00? ¹² D.OWR/I81Y NIS.A94(W:/NIG:LF91H MI/N.I73Y
K.:/O74HEL RO(/I92Y QIP.A63D:T.IY KF/)OR"70G XAY./AY03 MI/D.AL.F74H
Y:BAC.:("80NIY? MI/Y.O71WM (AD-LA73Y:LFH T.A\$:LIYM/"75NIY00 ¹³ \$IW.I70YTIY
(AD-B.O33QER03? K.F95):ARI80Y K."71N Y:\$AB."73R K.FL-(AC:MOWT/F92Y
MI/Y.O71WM (AD-LA73Y:LFH T.A\$:LIYM/"75NIY00? ¹⁴ K.:S70W.S (FGW.R03 K."74N
):ACAP:C"80P)EH:G.E73H K.A/Y.OWNF92H? D.AL.70W. ("YN/AY03 LA/M.FRO80WM
):ADONF73Y (F75\$:QFH-L./I71Y (FR:B/"75NIY00? ¹⁵ MF75H-):ADAB."71R
W:/)F75MAR-L/I73Y W:/H74W.) (F&F92H?)ED.AD.E71H KFL-\$:NOWT/A73Y (AL-MA71R
NAP:\$/I75Y00? ¹⁶):ADONF73Y (:AL"Y/HE74M YI75X:Y92W. W:/L:/KFL-B./FHEN03
XAY."74Y RW.X/I80Y? W:/TAX:ALIYM/"73NIY W:/HAX:AY/"75NIY00 ¹⁷ HIN."71H
L:/FLO73WM MAR-L/I74Y MF92R? W:/)AT.F62H XFS\$A70Q:T.F NAP:\$/IY03
MI/\$.A74XAT B.:LI80Y? K.I71Y HI\$:LA91K:T.F)AX:AR"71Y G"W:/KF73
K.FL-X:A+F)/F75Y00? ¹⁸ K.I74Y LO71) \$:)O91WL T.OWD/E73K.F MF74WET
Y:HAL:L/E92K.F? LO75)-Y:&AB.:R71W. YO75WR:D"Y-BO73WR)EL-):AMIT./E75KF00?
¹⁹ XA71Y XA91Y H71W.) YOWD/E73KF K.FMO74W/NIY HA/Y.O92WM?)F74B
L:/BFNI80YM YOWDI73Y(A)EL-):AMIT./E75KF00? ²⁰ Y:HW75H00 L:/HOW\$YI/(/"92NIY
W:/N:GINOWTA94Y N:NAG."91N? K.FL-Y:M"71Y XAY."73Y/NW. (AL-B."71YT
Y:HW75H00? ²¹ WA/Y.O74)MER Y:\$A(:YF80HW. YI&:)73W. D.:BE74LET T.:)"NI92YM
W:/YIM:R:X71W. (A75L-HA/\$.:XI73YN W:/YE75XIY00? ²² WA/Y.O71)MER
XIZ:QIY.F73HW. MF74H)O92WT K.I71Y)E:(ELE73H B."71YT Y:HW75H00
39 ¹ B.F/("74T HA/HI83W) \$FLA83X M:RODA74K: 14B.AL.):ADFN

B.AL:):ADF94N ME75LEK:-B.FBE91L S:PFRI71YM? W./MIN:XF73H)EL-XIZ:QIY.F92HW.
WA/Y.I\$:MA85(K.I71Y XFLF73H WA95/Y.EX:EZF75Q00² WA/Y.I&:MA74X
(:AL"Y/HEM02 XIZ:QIY.FHW.01? WA/Y.AR:)"74M)ET-B."74YT **N:KOT/O83W
)ET-HA/K.ESEP04 W:)/ET-HA/Z.FHF63B W:)/ET-HA/B.:&FMI61YM W:)"74T05?
HA/\$.E74MEN HA/+.O81WB W:)"T03 K.FL-B."74YT K."LF80Y/W W:)"91T K.FL-):A\$E71R
NIM:CF73) B.:)/O75C:ROTF92Y/W? LO75)-HFYF74H DFBF81R 14):A\$ER
LO75)-HER:)/F94M XIZ:QIY.F91HW. B.:/B"YT/O73W W./B:/KFL-MEM:\$AL:T./O75W00?
³ WA/Y.FBO)03 Y:\$A:(YF74HW. HA/N.FBI80Y))EL-HA/M.E73LEK: XIZ:QIY.F92HW.
WA/Y.O63)MER)"LF61Y/W MF71H)FM:R74W.05? HF:)/ANF\$174YM HF:)"81L.EH
W./M")/A33YIN03 YFBO74)W.)"LE80Y/KF WA/Y.O33)MER03 XIZ:QIY.F80HW.
M")/E94REC R:XOWQF91H? B.F71)W.)"L/A73Y MI/B.FBE75L00⁴ WA/Y.O85)MER MF71H
RF)73W. B.:/B"YT/E92KF WA/Y.O74)MER XIZ:QIY.F81HW.)"74T K.FL-?):A\$E70R
B.:/B"YT/IY03 RF)80W. LO75)-HFYF71H DFBF91R):A\$E71R LO75)-HIR:JIYTI73Y/M
B.:)/OWC:ROT/F75Y00? ⁵ WA/Y.O71)MER Y:\$A:(YF73HW.)EL-XIZ:QIY.F92HW. \$:MA73(
D.:BAR-Y:HWF71H C:BF)O75WT00⁶ HIN."H02 YFMI74YM? B.F)IYM01 W:/NI&.F74)05
K.FL-):A\$E74R B.:/B"YT/E81KF WA:):A\$E63R)FC:R94W.):ABOTE91Y/KF
(AD-HA/Y.O71WM HA/Z.E73H? B.FBE92L LO75)-YIW.FT"71R D.FBF73R)FMA71R
Y:HWF75H00⁷ W./MI/B.FNE61Y/KF):A\$E63R Y"C:):94W. MI/M./:KF91):A\$E71R?
T.OWLI73YD YIQ.F92XW. W:/HFYW.03 SFRIYSI80YM B.:/H"YKA73L ME71LEK:
B.FBE75L00⁸ WA/Y.O70)MER XIZ:QIY.F33HW.03)E75L-?Y:\$A:(YF80HW. +O71WB
D.:BAR-Y:HWF73H):A\$E74R D.IB.A92R.T.F WA/Y.O85)MER K.I71Y YIH:YE91H
\$FLO71WM WE:)/EME73T? B.:/YFMF75Y00¹⁰ NAX:AM71W. NAX:AM73W. (AM./I92Y
YO)MA73R):ELOH"Y/KE75M00? ² D.AB.:R62W. (AL-L"70B Y:R75W.\$FLA33IM03
W:/QIR:):74W.)"LE80Y/HF? K.I70Y MF75L:):FH03 C:BF)/F80H. K.I71Y NIR:CF73H
(:AWON/F92H.? K.I70Y LFQ:XFH03 MI/Y.A74D Y:HWF80H K.IP:LA73YIM
B.:/KFL-XA+.O)TE75Y/HF00³ QO74WL QOWR"80)? B.A/M.ID:B.F85R P.AN.73W.
D.E74REK: Y:HWF92H? YA\$.:RW.03 B.F:)/ARFBF80H M:SIL.F73H L"/)LOH"75Y/NW.00?
⁴ K.FL-G.EY)03 YIN.F&"80) W:/KFL-HA71R W:/GIB:(F73H YIS:P.F92LW.? W:/HFYF70H
HE75/(FQOB03 L:/MIY\$O80WR W:/HF/R:KFSI73YM L:/BIQ:(F75H00? ⁵ W:/NIG:LF73H
K.:BO74WD Y:HWF92H W:/RF)70W. KFL-B.F&FR03 YAX:D.F80W K.I91Y P.I71Y
Y:HWF73H? D.IB."75R00⁶ 10QOWL)OM"74R Q:RF80) W:)/FMA73R MF74H)EQ:RF92)?
K.FL-HA/B.F&F74R XFCI80YR W:/KFL-XAS:D./O73W K.:/CI71YC HA/&.FDE75H00?
⁷ YFB"70\$ XFCIYR03 NF74B"75L CI80YC K.I91Y R71W.XA Y:HWF73H NF74\$B:BFH
B./O92W)FK"71N XFCI73YR? HF/(F75M00? ⁸ YFB"71\$ XFCI73YR NF74B"75L CI92YC
W:/D:BAR-):ELOH"73Y/NW. YFQ71W.M L:/O75M00⁹ (A74L HAR-G.FBO70HA
(:ALIY-L/FK:03 M:BA&.E74RET CIY.O80WN? HFRI70YMIY BA/K.O33XA03 QOWL/"80K:
M:BA&.E73RET Y:RW.\$FLF92IM HFRI33YMIY03)AL-T.IYRF80)IY?)IM:RIY03
L:/FR"74Y Y:HW.DF80H HIN."73H):ELOH"Y/KE75M00? ¹⁰ HIN."63H):ADONF70Y
Y:HWIH03 B.:/XFZF74Q YFBO80W) W:/Z:RO(/O73W MO74\$:LFH L/O92W? HIN."70H
&:KFR/OW03)IT./O80W W:/P:(UL.FT/O73W L:/PFNF75Y/W00? ¹¹ K.:/RO(EH03
(ED:R/O74W YIR:(E80H B.I/Z:RO(/OW03 Y:QAB."74C? +:LF)I80YM W./B:/X"YQ/O73W
YI&.F92) (FLO73WT Y:NAH"75L00¹² MI75Y-MFDA63D B.:/\$F(:FL/O61W MA81YIM
W:/\$FMA33YIM03 B.A/Z.E74RET T.IK."80N? W:/KF71L B.A/\$.FLI73\$ (:APA74R
HF)/F92REC W:/\$FQA70L B.A/P.E33LES03 HFRI80YM? W:/G:BF(O73WT
B.:/MO)Z:NF75YIM00? ¹³ MI75Y-TIK."71N)ET-R73W.XA)3 Y:HWF92H W:)/I71Y\$
(:ACFT/O73W YOWDIY(/E75N.W.00? ¹⁴)ET-MI70Y NOW(FC03 WA/Y:BIYN/"80HW.
WA75Y:LAM.:D/"73HW. B.:)/O74RAX MIS:P.F92+? WA/Y:LAM.:D/"74HW. DA80(AT
W:/DE71REK: T.:BW.NO73WT YOWDIY(/E75N.W.00? ¹⁵ H"70N G.OWYIM03 K.:/MA74R
MI/D.:LI80Y W:/K:/\$A71XAQ MO)Z:NA73YIM NEX:\$F92BW.? H"71N)IY.I73YM
K.A/D.A71Q YI+.O75WL00¹⁶ W:/L:BFNO85WN)"71YN D."73Y B.F("92R?
W:/XAY.FT/O80W)"71YN D."73Y (OWLF75H00¹⁷ K.FL-HA/G.OWYI73M K.:)/A74YIN
NEG:D./O92W M")/E71PES WF/TO73HW. NEX:\$:BW.-L/O75W00? ¹⁸ W:)/EL-MI73Y
T.:DAM.:Y74W.N)"92L W./MAH-D.:M73W.T T.A71(AR:KW. L/O75W00? ¹⁹ HA/P.E33SEL03
NFSA74K: XFRF80\$ W:/COR"73P B.A/Z.FHF74B Y:RAQ:.(/E92N.W.? W:/R:TUQO71WT
K.E73SEP COWR"75P00²⁰ HA75/M:SUK.F74N T.:RW.MF80H ("71C LO75)-YIR:QA73B?
YIB:XF92R? XFRF70\$ XFKFM03 Y:BAQ.E\$-L/O80W L:/HFKI71YN P.E73SEL LO71)
YIM.O75W+00? ²¹ H:A/LO70W) T"75D:(W.03 H:A/LO74W) TIS:MF80(W. H:A/LO91W)

HUG.A71D M"/RO73)\$ L/FKE92M? H:A/LOW)03 H:ABI74YN0TE80M MOWS:DO73WT HF)/F75REC00? ²² HA/Y.O\$B03 (AL-X74W.G HF)/F80REC W:/YO\$:BE73Y/HF K.A/X:AGFBI92YM? HA/N.OW+E70H KA/D.OQ03 \$FMA80YIM WA/Y.IM:T.FX/"71M K.F)/O73HEL LF/\$F75BET00? ²³ HA/N.OWT"71N ROWZ:NI73YM L:/)F92YIN \$O71P:+Y)E73REC K.A/T.O71HW. (F&F75H00? ²⁴)A74P B.AL-NI+.F81(W. 10)AP B.AL-ZORF80(W.)A91P B.AL-\$OR"71\$ B.F)/F73REC G.IZ:/(F92M? W:/GAM-NF\$A70P B./FHEM03 WA/Y.IBF80\$W. W./S:(FRF73H K.A/Q.A71\$ T.I&F)"/75M00 ²⁵ W:/)EL-MI71Y T:DAM.:Y73W./NIY W:/)E\$:WE92H YO)MA73R QFDO75W\$00? ²⁶ &:JW.-MFRO63WM ("YN"Y/KE70M W./R:)W.03 MIY-BFRF74))"80L.EH? HA/M.OWCI71Y) B:/MIS:P.F73R C.BF)/F92M L:/KUL./FM03 B.:/\$"74M YIQ:RF80)? M"/RO70B)OWNIYM03 W:/)AM.I74YC K.O80XA)I73Y\$ LO71) NE:(D.F75R00 ²⁷ LF70/M.FH TO)MAR03 YA75:(AQO80B W./T:DAB."73R YI&:RF)"92L? NIS:T.:RF70H DAR:K./IY03 M"/Y:HWF80H W./M"/)ELOH/A73Y MI\$:P.F+/I71Y YA:(ABO75WR00? ²⁸ H:A/LO63W) YFDA61:(T.F)IM-LO74) \$FMA81:(T.F?):ELOH"63Y (OWLF70M05 Y:HWFH03 B.OWR)"03 Q:CO74WT HF)/F80REC? LO71) YIY(A73P W:/LO74) YIYGF92()"71YN X"73QER LI/T:BW.NFT/O75W00? ²⁹ NOT"71N LA/Y.F("73P K.O92XA W./L:/)"71YN)OWNI73YM (FC:MF71H YAR:B.E75H00? ³⁰ W:/YI75:(AP71W. N:(FRI73YM W:/YIGF92(W. W./BAXW.RI73YM K.F\$O71WL YIK.F\$"75LW.00? ³¹ W:/QOWY"70 Y:HWFH03 YAX:ALI74YPW. KO80XA YA:(AL71W.)"73BER K.A/N.:\$FRI92YM? YFR33W.CW.03 W:/LO74) YIYGF80(W. Y"L:K73W. W:/LO71) YIY(F75PW.00 **41** ¹ HAX:ARI70Y\$W.)"L/AY03)IY.I80YM W./L:)UM.I73YM YAX:ALI74YPW. KO92XA? YIG.:\$W.03)F74Z Y:DAB."80RW. YAX:D.F73W LA/M.I\$:P.F71+ NIQ:RF75BFH00? ² MI70Y H"(IYR03 MI/M.IZ:RF80X CE73DEQ YIQ:RF)"/74HW. L:/RAG:L/O92W? YIT."63N L:/PFNF70Y/W G.OWYIM03 W./M:L.FKI74YM YA80R:D.: YIT."70N K.E75/(FPFR03 XAR:B./O80W K.:/QA71\$ NID.F73P QA\$:T./O75W00? ³ YIR:D.:P/"73M YA:(ABO74WR \$FLO92WM)O71RAX B.:/RAG:LF73Y/W LO71) YFBO75W)00? ⁴ MI75Y-PF(A74L W:/)F&F80H QOR"71) HA/D.ORO73WT M"/RO92)\$?):ANI70Y Y:HWFH03 RI)\$O80WN W:/)ET-)AX:ARONI73YM):ANIY-H75W.)00? ⁵ RF)70W.)IY.IYM03 W:/YIYRF80)W. Q:CO71WT HF)/F73REC YEX:ERF92DW. QFR:B73W. WA/Y.E):ETFY75W.N00? ⁶)I71Y\$)ET-R"/("73HW. YA:(ZO92RW. W./L:/)FXI73Y/W YO)MA71R X:AZF75Q00? ⁷ WA/Y:XAZ."70Q XFRF\$03)ET-COR"80P MAX:ALI71YQ P.A+.I73Y\$)ET-HO74WLEM P.F92(AM?)OM"70R LA/D.E33BEQ03 +O74WB H80W.) WA/Y:XAZ.:Q/"71HW. B:/MAS:M:RI73YM LO71) YIM.O75W+00 ⁸ W:/)AT.FH03 YI&:RF)"74L (AB:D./I80Y YA:(AQO73B):A\$E74R B.:XAR:T.I92Y/KF? ZE73RA()AB:RFHF71M)OH:AB/I75Y00? ⁹):A\$E70R HEX:EZAQ:T.I33Y/KF03 MI/Q:CO74WT HF)/F80REC W./M"/)ACIYLE73Y/HF Q:RF)TI92Y/KF? WF)/O70MAR L:/KF03 (AB:D./IY-)A80T.FH B.:XAR:T.I73Y/KF W:/LO71) M:JAS:T.I75Y/KF00? ¹⁰)AL-T.IYRF)03 K.I74Y (IM./:KF-)F80NIY)AL-T.I\$:T.F73(K.I75Y-):ANI74Y):ELOHE92Y/KF?)IM.AC:T.I33Y/KF03)AP-(AZAR:T.I80Y/KF)AP-T.:MAK:T.I73Y/KF B.I/YMI71YN CID:Q/I75Y00? ¹¹ H"70N Y"BO33\$W.03 W:/YIK.F74L:M80W. K.O73L HA/N.EX:ERI74YM B./F92K:? YI75H:Y71W. K:/)A91YIN W:/YO)B:D73W.)AN:\$"71Y RIYB/E75KF00? ¹² T.:BAQ:\$/"M03 W:/LO74) TIM:CF)"/80M)AN:\$"73Y MAC.UT/E92KF? YIH:Y71W. K:/)A91YIN W./K:/)E73PES)AN:\$"71Y MIL:XAM:T./E75KF00? ¹³ K.I81Y):ANI91Y Y:HWF71H):ELOHE73Y/KF MAX:AZI74YQ Y:MIYN/E92KF? HF)/OM"71R L:/KF91)AL-T.IYRF73)):ANI71Y (:AZAR:T.I75Y/KF00 ¹⁴)AL-T.I75YK:)IY03 T.OWLA74(AT YA75(:AQO80B M:T"73Y YI&:RF)):ANI70Y (:AZAR:T.IY/K:03 N:)UM-Y:HWF80H W:/GO:AL/"73K: Q:DO71W\$ YI&:RF)"75L00? ¹⁵ HIN."74H &AM:T.I81Y/K: L:/MOWRAG03 XFR74W.C XFDF80\$ B.A73(AL P.I75YPIY.O92WT? T.FD70W.\$ HFRIYM03 W:/TFDO80Q W./G:BF(O73WT K.A/M.O71C T.F&I75YM00? ¹⁶ T.IZ:R/"M03 W:/R74W.XA T.I&F)"/80M W./S:(FRF73H T.FPI74YC)OWT/F92M? W:/)AT.FH03 T.FGI74YL B.A75/YHWF80H B.I/Q:DO71W\$ YI&:RF)"73L T.IT:HAL.F75L00 ¹⁷ HF/(:ANIY.I63YM W:/HF)EB:YOWNI61YM M:BAQ:\$I71YM MA33YIM03 WF)/A80YIN L:\$OWN/F73M B.A/C.FMF74) NF\$F92T.FH?):ANI70Y Y:HWFH03)E:(EN/"80M):ELOH"71Y YI&:RF)"73L LO71))E(EZ:B/"75M00? ¹⁸)EP:T.A70X (AL-\$:PFYIYM03 N:HFRO80WT W./B:/TO71WK: B.:QF(O73WT MA:(YFNO92WT?)F&I70YM MID:B.FR03 LA):AGAM-MA80YIM W:/)E71REC CIY.F73H L:/MOWCF71)"Y MF75YIM00? ¹⁹)ET."70N B.A/M.ID:B.FR03)E74REZ \$I+.F80H WA/H:ADA73S W:/("74C \$F92MEN?)F&I74YM B.F/(:ARFBF81H B.:RO91W\$ T.ID:HF71R W./T:)A\$.73W.R

YAX:D.F75W00? ²⁰ L:MA94(AN YIR:74W. W:/Y"D:(81W. W:/YF&I70YMW. W:/YA&:K.I33YLW.03 YAX:D.F80W? K.I71Y YAD-Y:HWF73H (F74&:TFH Z.O92)T W:/Q:DO71W\$ YI&:RF)"73L B.:RF)/F75H.00 ²¹ QFR:B71W. RI75YB/:KE73M YO)MA74R Y:HWF92H HAG.I33Y\$W.03 (:ACUMO74WT"Y/KE80M YO)MA73R? ME71LEK: YA(:AQO75B00? ²² YAG.I33Y\$W.03 W:/YAG.I74YDW. L/F80NW.)"73T):A\$E74R T.IQ:RE92YNFH? HF/RI)\$ONO74WT05 MF74H H"81N.FH HAG.I61YDW. W:/NF&I70YMFH LIB./"33NW.03? W:/N"D:(F74H)AX:ARIYT/F80N)O71W HA/B.F)O73WT HA\$:MIY(U75/NW.00? ²³ HAG.I33YDW.03 HF/)OTIY.O74WT L:/FXO80WR W:/N"74D:(F80H K.I71Y):ELOHI73YM)AT.E92M?)AP-T."Y+I74YBW. W:/TFR"80(W. W:/NIS:T.F73(FH **W:/NIR:)E71H YAX:D.F75W00? ²⁴ H"N-)AT.E74M M")A80YIN W:/PF(FL/:KE73M M")F92PA(T.OW("BF73H YIB:XA71R B:/FKE75M00? ²⁵ HA(IYRO70WTIY MI/C.FPOWN03 WA/Y.A80)T MI/M.IZ:RAX-\$E73MES YIQ:RF74) BI/\$:M/I92Y? W:/YFBO70) S:GFNIYM03 K.:MOW-XO80MER W:/K:MO71W YOWC"73R YIR:MFS-+I75Y+00? ²⁶ MI75Y-HIG.I70YD M"/RO)\$03 W:/N"DF80(FH W:/MI/L:/PFNI73YM W:/NO)MA74R CAD.I92YQ?)A74P)"YN-MAG.I81YD 10)AP)"74YN MA\$:MI80Y(A)A71P)"YN-\$OM"73(A)IM:R"Y/KE75M00? ²⁷ RI)\$O71WN L:/CIY.O73WN HIN."74H HIN./F92M W:/LI/YRW.\$FLA73IM M:BA&."71R)ET."75N00? ²⁸ W:/)"33RE)03 W:/)"74YN)I80Y\$ W:/M")"73L.EH W:/)"74YN YOW("92C? W:/)E\$:FL/"73M W:/YF\$I71YBW. DFBF75R00 ²⁹ H"74N K.UL./F80M)F71WEN?)E73PES MA:(A&"Y/HE92M R71W.XA WF/TO73HW. NIS:K."Y/HE75M00 **42** ¹ H"70N (AB:D./IY03)ET:MFK:-B./O80W B.:XIYR/I73Y RFC:TF74H NAP:\$/I92Y? NFTA70T.IY RW.X/IY03 (FLF80Y/W MI\$:P.F73+ LA/G.OWYI71M YOWCI75Y)00? ² LO71) YIC:(A73Q W:/LO74) YI&.F92) W:/LO75)-YA\$:MI71Y(A B.A/X73W.C QOWL/O75W00? ³ QFNE70H RFCW.C03 LO74) YI\$:B.O80WR W:/PI\$:T.F71H K"HF73H LO74) Y:KAB./E92N.FH? LE:/)EME73T YOWCI71Y) MI\$:P.F75+00 ⁴ LO70) YIK:HEH03 W:/LO74) YFR80W.C? (AD-YF&I71YM B.F)/F73REC MI\$:P.F92+ W:/L:/TOWRFT/O73W)IY.I71YM Y:YAX"75YWLW.00 ⁵ K.O75H-)FMA62R HF/)74L05 Y:HWF81H? B.OWR"70) HA/\$.FMA33YIM03 W:/NO74W+"Y/HE80M ROQA71(HF)/F73REC W:/CE):ECF)E92Y/HF? NOT"70N N:\$FMFH03 LF/(F74M (FLE80Y/HF W:/R73W.XA LA/HOL:KI71YM B./F75H.00? ⁶):ANI94Y Y:HWF91H Q:RF)TI71Y/KF75 B:/CE73DEQ W:/)AX:Z"74Q B.:YFD/E92KF? W:/)EC.FR:/KF81 W:/)ET.EN:/KF91 LI/B:RI71YT (F73M L:/O71WR G.OWYI75M00? ⁷ LI/P:QO73XA ("YNA74YIM (IW:RO92WT L:/HOWCI70Y) MI/M.AS:G."R03)AS.I80YR? MI/B."71YT K.E73LE) YO71\$:B"Y XO75\$EK:00 ⁸):ANI71Y Y:HWF73H H74W.) \$:M/I92Y? W:/K:BOWD/IY03 L:/)AX"74R LO75)-)ET."80N W:/T:HIL.FT/I73Y LA/P.:SIYLI75YM00? ⁹ HF/RI75)\$ONO73WT HIN."H-BF92)W. WA75/X:ADF\$OWT03)ANI74Y MAG.I80YD? B:/+E71REM T.IC:MA73X:NFH)A\$:MI71Y(A)2)ET:/KE75M00 ¹⁰ \$I70YRW. LA75/YHWFH03 \$I74YR XFDF80\$ T.:HIL.FT/O73W MI/Q:C"74H HF)/F92REC? YOWR:D"70Y HA/Y.FM03 W:/M:LO)/O80W)IY.I73YM W:/YO\$:B"Y/HE75M00? ¹¹ YI&:)70W. MID:B.FR03 W:/(FRF80Y/W X:AC"RI73YM T."\$74B Q"DF92R? YFRO33N.W.03 YO74\$:B"Y SE80LA(M"/RO71)\$ HFRI73YM YIC:WF75XW.00? ¹² YF&I71YMW. LA75/YHWF73H K.FBO92WD W:/T:HIL.FT/O73W B.F)/IY.I71YM YAG.I75YDW.00? ¹³ Y:HWFH03 K.A/G.IB.O74WR Y"C"80) K.:/I71Y\$ MIL:XFMO73WT YF(I74YR QIN:)F92H? YFRI33Y(A03)AP-YAC:RI80YXA (AL-)OY:BF73Y/W YIT:G.AB.F75R00 ¹⁴ HEX:E\$"33YTIY03 M"75/(OWLF80M)AX:ARI73Y\$)ET:)AP.F92Q? K.A/Y.OWL"DF74H)EP:(E80H)E\$.O71M W:/)E\$:)A73P YF75XAD00? ¹⁵)AX:ARI70YB HFRIYM03 W:/G:BF(O80WT W:/KFL(E&:B./F73M)OWBI92Y\$? W:/&AM:T.I70Y N:HFROWT03 LF95/IY.I80YM WA):AGAM.I73YM)OWBI75Y\$00? ¹⁶ W:/HOWLAK:T.I74Y (IW:RI81YM B.:/DE33REK:03 LO74) YFDF80(W. B.I/N:TIYBO71WT LO75)-YFD:(73W.?)AD:RIYK/"92M?)F&IYM04 MAX:\$F63K: LI/P:N"Y/HE61M LF)/O81WR W:/MA75(:AQA\$.IYM03 L:/MIY\$O80WR? ¹⁰)"L.EH HA/D.:BFRI80YM (:A&IYTI73/M W:/LO71) (:AZAB:T.I75Y/M00? ¹⁷ NFSO70GW.)FXOWR03 Y"BO74\$W. BO80\$ET HA/B.O+:XI73YM B.A/P.F92SEL? HF)/OM:RI71YM L:/MAS."KF73H)AT.E71M):ELOH"75Y/NW.00 ¹⁸ HA/X"R:I73YM \$:MF92(W. W:/HA/(IW:RI73YM HAB.I71Y+W. LI/R:)O75WT00? ¹⁹ MI70Y (IW."R03 K.I74Y)IM-(AB:D./I80Y W:/X"R"73\$ K.:MAL:)FK/I74Y)E\$:LF92X? MI70Y (IW."R03 K.I/M:\$UL.F80M W:/)IW."73R K.:/(E71BED Y:HWF75H00? ²⁰ **RF)O71WT RAB.O73WT W:/LO74) TI\$:MO92R P.FQO71WXA)FZ:NA73YIM W:/LO71) YI\$:MF75(00? ²¹ Y:HWF71H XFP"73C L:MA74(AN CID:Q/O92W YAG:D.I71YL T.OWRF73H W:/YA):D.I75YR00?

W:/HW.)02 (AM-B.FZ74W.Z W:/FSW.Y01? HFP"70XA B.A75/XW.RIYM03 K.UL./F80M
W./B:/BFT."71Y K:LF)I73YM HFX:B.F92)W.? HFY70W. LF/BAZ03 W:/)"74YN MAC.I80YL
M:\$IS.F73H W:/)"YN-JOM"71R HF\$A75B00? ²³ MI71Y B/FKE73M YA):AZI74YN ZO92)T
YAQ:\$I71B W:/YI\$:MA73(L:/)FXO75WR00? ²⁴ MI75Y-NFTA63N **LI/M:\$IS.F94HJ3
YA:(AQO91B W:/YI&:RF)"71L L:/BOZ:ZI73YM? H:A/LO74W) Y:HWF92H 10ZW.
XF+F74)NW. L/O80W? W:/LO75)-FB70W. BI/D:RFKFY/W03 HFLO80WK: W:/LO71)
\$FM:(73W. B.:/TOWRFT/O75W00? ²⁵ WA/Y.I\$:P.O70K: (FLFY/W03 X"MF74H)AP./O80W
WE/(:EZ73W.Z MIL:XFMF92H? WA/T.:LAH:A+/"70HW. MI/S.FBIYB03 W:/LO74) YFDF80(
WA/T.IB:(AR-B./O73W W:/LO)-YF&I71YM (AL-?L"75B00 **43** ¹ W:/)AT.F62H
K.O75H-)FMA70R Y:HWFH03 B.ORA):AKF74 YA:(AQO80B W:/YOCER/:KF73
YI&:RF)"92L?)AL-T.IYRF)03 K.I74Y G:)AL:T.I80Y/KF QFRF71)TIY B:/\$IM/:KF73
L/IY-)F75T.FH00? ² K.I75Y-TA(:ABO70R B.A/M.A33YIM03)IT.:KF-)F80NIY
W./BA/N.:HFRO73WT LO74) YI\$:+:P92W./KF? K.I75Y-T"L"70K: B.:MOW-)"03 LO74)
TIK.FWE80H W:/LEHFBF73H LO71) TIB:(AR-B./F75K:00? ³ K.I81Y):ANIY03 Y:HWF74H
):ELOHE80Y/KF Q:DO71W\$ YI&:RF)"73L MOW\$YI/(E92KF? NFTA70T.IY KFP:R/:KF03
MIC:RA80YIM K.71W.\$ W:/S:BF73) T.AX:T.E75Y/KF00? ⁴ M"):A\$E63R YFQA94R:T.F
B:/)"YN/A91Y NIK:B.A73D:T.F WA):ANI74Y):AHAB:T.I92Y/KF? W:/)ET."70N)FDFM03
T.AX:T.E80Y/KF W./L:)UM.I73YM T.A71XAT NAP:\$E75KF00? ⁵)AL-T.IYRF73) K.I74Y
)IT.:KF-)F92NIY? MI/M.IZ:RFX03)FBI74Y) ZAR:/(E80KF W./MI75/M.A(:ARF73B
):AQAB.:C/E75K.F00? ⁶)OMA70R LA/C.FPOWN03 T."80NIY W./L:/T"YMF73N
)AL-T.IK:LF92)IY? HFBI70Y)IY BFN/AY03 M"/RFXO80WQ W./B:NOWT/A73Y
MI/Q:C"71H HF)F75REC00? ⁷ 10K.OL HA/N.IQ:RF74) BI/\$:M/I80Y W:/LI/K:BOWD/I73Y
B.:RF)TI92Y/W Y:CAR:T.I73Y/W)AP-(:A&IYTI75Y/W00? ⁸ HOWCI71Y) (AM-(IW."73R
W:/)"YNA74YIM Y"92\$ W:/X"R:\$I73YM W:/)FZ:NA71YIM L/F75MOW00?
⁹ K.F75L-HA/G.OWYI62M NIQ:B.:C74W. YAX:D.F81W W:/Y)"F75S:PW.03 L:)UM.I80YM?
MI70Y B/FHEM03 YAG.I74YD ZO80)T W:/RI75)\$ONO73WT YA\$:MIY(U92/NW.?
YIT.:N70W. ("75D"Y/HEM03 W:/YIC:D.F80QW. W:/YI\$:M:(73W. W:/YO)M:R71W.
):EME75T00? ¹⁰)AT.E70M ("D/AY03 N:)UM-Y:HWF80H W:/)AB:D/I73Y):A\$E74R
B.FXF92R:T.IY? L:MA74(AN 14T."D:(W. W:/TA):AMI63YNW. L/I70Y W:/TFBI33YNW.03
K.I75Y-):ANI74Y H80W.)? L:/PFN/AY03 LO)-NO74WCAR)"80L W:/)AX:AR/A73Y LO71)
YIH:YE75H00 ¹¹)FNOKI71Y)FNOKI73Y Y:HWF92H W:/)"71YN MI/B.AL:(FD/A73Y
MOW\$YI75Y(A00? ¹²)FNOKI62Y HIG.A70D:T.IY W:/HOW\$A33(:T.IY03 W:/HI\$:MA80(:T.IY
W:/)"71YN B:/FKE73M ZF92R? W:/)AT.E71M N("D/A91Y N:)UM-Y:HWF73H
WA75):ANIY-)75L00 ¹³ G.AM-MI/Y.OWM03):ANI74Y H80W.)? W:/)"71YN MI/Y.FD/I73Y
MAC.I92YL)EP:(A73L W./MI71Y Y:\$IYB/E75N.FH00 ¹⁴ K.O75H-)FMA94R Y:HWF91H
G.O)AL/:KE73M Q:DO74W\$ YI&:RF)"92L? L:MA(AN:KE62M \$IL.A74X:T.IY BFBE81L/FH
W:/HOWRAD:T.I70Y BF75/RIYXIYM03 K.UL./F80M? W:/KA&:D.I73YM
B.F):FNIY.O71WT RIN.FT/F75M00? ¹⁵):ANI71Y Y:HWF73H Q:DO75W\$:KE92M
B.OWR"71) YI&:RF)"73L MAL:K.:KE75M00 ¹⁶ 10K.OH)FMA74R Y:HWF80H
HA/N.OWT"71N B.A/Y.F73M D.F92REK: W./B:/MA71YIM (AZ.I73YM N:TIYBF75H00?
¹⁷ HA/M.OWCI71Y) RE75KEB-WF/S73W.S XA74YIL W:/)IZ.92W.Z YAX:D.F70W?
YI\$:K.:BW.03 B.AL-YFQ80W.MW. D.F:(AK73W. K.A/P.I\$:T.F71H KFB75W.00?
¹⁸)A75L-T.IZ:K.:R73W. RI75)\$ONO92WT W:/QAD:MONIY.O73WT
)AL-T.IT:B.ONF75NW.00? ¹⁹ HIN/:NI63Y (O&E70H X:ADF\$FH03 (AT.F74H TIC:MF80X
H:A/LO73W) T"75DF(92W./HF?)A74P)F&I70YM B.A/M.ID:B.FR03 D.E80REK:
B.I75/Y\$IMO73WN N:HFRO75WT00? ²⁰ T.:KAB.:D/"33NIY03 XAY.A74T HA/&.FDE80H
T.AN.I73YM W./B:NO74WT YA75(:ANF92H? K.I75Y-NFTA63T.IY BA/M.ID:B.F61R
MA81YIM N:HFROWT03 B.I75/Y\$YIMO80N? L:/HAS:QO73WT (AM./I71Y B:XIYR/I75Y00
²¹ (AM-ZW.03 YFCA74R:T.IY L/I80Y? T.:HIL.FT/I73Y Y:SAP."75RW.00 ²² W:/LO)-JOT/I71Y
QFRF73)TF YA75(:AQO92B K.I75Y-YFGA71(:T.F B./I73Y YI&:RF)"75L00?
²³ LO75)-H"B"70Y)TF L./IY03 &"74H (OLOTE80Y/KF W./Z:BFXE73Y/KF LO74)
KIB.AD:T.F92/NIY? LO70) HE:(EBAD:T.I33Y/KF03 B.:MIN:XF80H W:/LO71)
HOWGA(:T.I73Y/KF B.I/L:BOWNF75H00? ²⁴ LO)-QFNI63YTF L./I70Y BA/K.E33SEP03
QFNE80H W:/X"71LEB Z:BFXE73Y/KF LO74) HIR:WIYT/F92NIY?)A81K:
HE:(EBAD:T./A33NIY03 B.:XA+.O)WTE80Y/KF HOWGA(:T./A73NIY
B.A/(:AWONOTE75Y/KF00 ²⁵)FNOKI63Y)FNOKI71Y H91W.) MOXE71H P:\$F(E73Y/KF
L:MA(AN/I92Y W:/XA+.O)TE73Y/KF LO71)?)EZ:K.O75R00? ²⁶ HAZ:K.IYR/"85NIY

NI\$.FP:+F73H YF92XAD SAP."71R)AT.F73H L:MA71(AN T.IC:D.F75Q00? ²⁷)FBI71Y/KF
HF/RI)\$O73WN XF+F92) W./M:LIYCE73Y/KF P.F71\$(W. B/I75Y00? ²⁸ WA):AXAL."73L
&F74R"Y QO92DE\$ W:/)ET.:NF70H LA/X"33REM03 YA:(AQO80B W:/YI&:RF)"73L?
L:/GID.W.PI75YM00 **44** ¹ W:/(AT.F71H \$:MA73(YA:(AQO74B (AB:D./I92Y
W:/YI&:RF)"73L B.FXA71R:T.IY B/O75W00? ² K.OH-)FMA63R Y:HWF71H (O&/E91KF
W:/YOCER:/KF71 MI/B.E73+EN YA:(Z:R/E92K.F?)AL-T.IYRF)03 (AB:D./I74Y
YA75:(AQO80B WI/Y\$UR73W.N B.FXA71R:T.IY B/O75W00? ³ K.I70Y)EC.FQ-MA33YIM03
(AL-CFM"80) W:/NOZ:LI73YM (AL-YAB.F\$F92H?)EC.O70Q RW.X/IY03 (AL-ZAR:/(E80KF
W./BIR:KFT/I73Y (AL-CE):ECF)E75Y/KF00? ⁴ W:/CFM:X73W. B.:/B"74YN XFCI92YR
K.A/(:ARFBI73YM (AL-YIB:L"Y-MF75YIM00? ⁵ ZE70H YO)MAR03 LA75/YHWF74H
)F80NIY W:/ZE73H YIQ:RF74) B:\$"75M-YA:(AQO92B? W:/ZE81H YIK:T.O70B YFD/OW03
LA75/YHWF80H W.B:\$"71M YI&:RF)"73L Y:KAN.E75H00 ⁶ K.O75H-)FMA63R
Y:HWF94H ME75LEK:-YI&:RF)"91L W:/GO):AL/O73W Y:HWF74H C:BF)O92WT?
):ANI70Y RI)\$OWN03 WA):ANI74Y)AX:ARO80WN W./MI/B.AL:(FD/A73Y)"71YN
):ELOHI75YM00? ⁷ W./MI75Y-KFMO74W/NIY YIQ:RF81) W:/YAG.IYD/E70HF
W:/YA:(R:K/E33HF03 L/I80Y? MI/&.W.MI73Y (AM-(OWLF92M W:/)OTIY.O91WT
WA):A\$E71R T.FBO73)NFH YAG.I71YDW. L/F75MOW00? ⁸)A75L-T.IP:X:ADW.03
W:/)AL-T.IR:H80W. H:A/LO71) M"/)F91Z HI\$:MA:(T.I71Y/KF W:/HIG.A73D:T.IY?
W:/)AT.E74M ("D/F92Y H:A/Y"70\$)E:LO33WH.A03 MI/B.AL:(FD/A80Y W:/)"71YN
C73W.R B.AL-YFDF75:(T.IY00? ⁹ YO75C:R"Y-PE70SEL K.UL/FM03 T.O80HW.
WA/X:AMW.D"Y/HE73M B.AL-YOW(I92YLV.? W:/("D"Y/HE74M H"8152M.F52H52)4
B.AL-YIR:)91W. W./BAL-Y"D:(73W. L:MA71(AN Y"BO75\$W.00? ¹⁰ MI75Y-YFCA71R)"73L
W./PE74SEL NFSF92K: L:/BIL:T.I73Y HOW(I75YL00? ¹¹ H"70N K.FL-X:AB"RFY/W03
Y"BO80\$W. W:/XFRF\$171YM H"73M.FH M"75)/FDF92M? YI75T:QAB.:C70W. KUL/FM03
YA75:(AMO80DW. YIP:X:AD73W. Y"BO71\$W. YF75XAD00? ¹² XFRA70\$ B.AR:ZEL03
MA75:(ACF80D W./PF(AL03 B.A/P.EXF80M? W./BA/M.AQ.FBO73WT YIC.:R/"92HW.
WA/Y.IP:(FL/"33HW.03 B.I/Z:RO74W(A K.OX/O80W? G.AM-RF("B03 W:/)"74YN K.O80XA
LO)-\$F71TFH MA73YIM WA/Y.IY(F75P00? ¹³ XFRA74\$ ("CIYM02 NF74+FH QFW01
Y:TF):AR/"74HW. BA/&.E80RED? YA:(A&/"33HW.03 B.A/M.AQ:CU(O80WT
W./BA/M.:XW.GF73H Y:TF):FR/"92HW.? WA75/Y.A:(A&/"33HW.03 K.:/TAB:NI74YT
)I80Y\$ K.:/TIP:JE71RET)FDF73M LF/\$E71BET B.F75YIT00? ¹⁴ LI/K:RFT-L/O74W
):ARFZI80YM WA/Y.IQ.A70X T.IR:ZFHO3 W:/)AL.O80WN? WA/Y:)AM.EC-L/O73W
B.A/(:AC"Y-YF92(AR NF+A71()O73REN)6 W:/GE71\$EM Y:GAD."75L00? ¹⁵ W:/HFYF70H
L:/)FDFM03 L:/BF("80R WA/Y.IQ.A70X M"/HEM03 WA/Y.F80XFM)AP-YA&.I73YQ
W:/)F74PFH LF92XEM?)AP-YIP:(AL-)"L03 WA/Y.IS:T.F80XW. (F&/F71HW. PE73SEL
WA/Y.IS:G.FD-L/F75MOW00? ¹⁶ XEC:Y/OW03 &FRA74P B.:MOW-)"80\$ (AL-XEC:Y/OW03
B.F&F74R YO)K"80L YIC:LE71H CFLI73Y? W:/YI&:B.F92(?))AP-YFXOM03
W:/YO)MA74R HE)F80X XAM.OWTI73Y RF)I71YTIY)75W.R00? ¹⁷ W./\$:)74RIYT/O80W
L:/)"71L (F&F73H L:/PIS:L/O92W **YIS:G.FD-L/O70W W:/YI\$:T.A33XW.03?
W:/YIT:P.AL."74L)"LF80Y/W W:/YO)MAR03 HAC.IYL/"80NIY K.I71Y)"L/I73Y
)F75T.FH00? ¹⁸ LO71) YFD:(73W. W:/LO74) YFBI92YNW. K.I74Y +A70X M"75/R:)OWT03
("75YN"Y/HE80M M"/HA&:K.I73YL? LIB.OT/F75M00? ¹⁹ W:/LO)-YF\$174YB
)EL-LIB./O81W W:/LO63) DA71(AT W:/LO75)-T:BW.NFH02 L/)"MOR01 XEC:Y/O62W
&FRA74P:T.IY B:MOW-)"81\$ 14W:/)AP)FPI70YTIY (AL-G.EXFLFY/W03 LE80XEM
)EC:LE71H? BF&F73R W:/)OK"92L? W:/YIT:R/OW03 L:/TOW("BF74H)E:(E&E80H
L:/B71W.L ("73C)ES:G.O75WD00? ²⁰ RO(E74H)"80PER L"71B HW.TA73L HI+./F92HW.
W:/LO75)-YAC.I70YL)ET-NAP:\$/OW03 W:/LO74)? YO)MA80R H:A/LO71W) \$E73QER
B.I/YMIYN/I75Y00 ²¹ Z:KFR-)"74L.EH YA:(AQO80B W:/YI&:RF)"73L K.I74Y
(AB:D./IY)-F92T.FH? Y:CAR:T.I70Y/KF (E75BED-L/IY03)A80T.FH YI&:RF)"73L LO71)
TIN.F\$/"75NIY00? ²² MFXI70YTIY KF/(FB03 P.:\$F(E80Y/KF W:/KE/(FNF73N
XA+.O)WTE92Y/KF? \$W.BF71H)"L/A73Y K.I71Y G:)AL:T.I75Y/KF00? ²³ RFN.63W.
\$FMA61YIM K.I75Y-(F&F74H Y:HWF81H HFR133Y(W.03 T.AX:T.IY.O74WT)F80REC?
P.IC:X70W. HFRIYM03 RIN.F80H YA73(AR W:/KFL-("74C B./O92W? K.I75Y-GF)A70L
Y:HWFH03 YA75:(AQO80B W./B:/YI&:RF)"73L YIT:P.F)F75R00 ²⁴ K.O75H-)FMA70R
Y:HWFH03 G.O):AL/E80KF W:/YOCER:/KF73 MI/B.F92+EN?)FNOKI70Y Y:HWFH03
(O74&EH K.O80L? NO+E70H \$FMA33YIM03 L:/BAD./I80Y ROQA71(HF)/F73REC
**M"/)IT./I75Y00? ²⁵ M"P"R03)OTO74WT B.AD.I80YM W:/QOS:MI73YM Y:HOWL"92L?

M"\$I94YB X:AKFMI91YM)FXO73WR W:/DA(:T/F71M Y:&AK."75L00? ²⁶ M"QIYM03 D.:BA74R (AB:D./O80W WA/(:ACA71T MAL:)(FKF73Y/W YA\$:LI92YM? HF/)OM"63R LI/YRW.\$FLA61IM T.W.\$F81B W./L:/(FR"70Y Y:HW.DFH03 T.IB.FNE80YNFH W:/XFR:BOWTE73Y/HF?):AQOWM"75M00? ²⁷ HF/)OM"71R LA/C.W.LF73H X:FRF92BIY W:/NAH:AROTA73Y/IK:)OWBI75Y\$00? ²⁸ HF/)OM"70R L:/KO33WRE\$03 RO/(I80Y W:/KFL-XEP:C/I73Y YA\$:LI92M? W:/L")MO70R LI/YRW.\$FLA33IM03 T.IB.FNE80H W:/H"YKF73L T.IW.FS"75D00 **45** ¹ K.OH-K.OH-)FMA74R)FMA74R Y:HWFH02 Y:HWFH02 LI/M:\$IYX/OW02 LI/M:\$IYX/OW02 BI75/YMIYN/O81W? L:/KO74WRE\$ L:/RAD-):A\$ER-L:/PFNFY/W03 HEX:EZA74Q:T.IY G.OWYI80M BI75/YMIYN/O81W? W:/MFT:N"71Y L:/RAD-M:LFKI73YM L:/PFNFY/W03):APAT."92XA? G.OWYI80M LI/P:T.O70XA W:/MFT:N"71Y L:/PFNFY/W03 M:LFKI73YM D.:LFTA80YIM):APAT."92XA? W:/\$(FRI73YM LI/P:T.O70XA LO71) L:/PFNFY/W03 YIS.FG"75RW.00? D.:LFTA80YIM W:/\$(FRI73YM LO71) YIS.FG"75RW.00? ²):ANIY03 L:/PFNE74Y/KF)"L"80K: WA/H:ADW.RI73YM **):AYA\$. "92R? D.AL:TO70WT N:XW.\$FH03):A\$AB."80R W:/B:RIYX"71Y BAR:ZE73L):AGAD."75(A00? ³ W:/NFTAT.I70Y L:/KF03)OWC:RO74WT XO80\$EK: W:/MA+:MUN"73Y MIS:T.FRI92YM? L:MA74(AN T."DA81(K.I75Y-):ANI94Y Y:HWF91H HA/Q.OWR"71) B:/\$IM:/KF73):ELOH"71Y YI&:RF)"75L00? ⁴ L:MA33(AN03 (AB:D./I74Y YA:(AQO80B W:/YI&:RF)"73L B.:XIYR/I92Y? WF)EQ:RF70) L:/KF03 B.I/\$:M/E80KF):AKAN./:KF73 W:/LO71) Y:DA(:T/F75NIY00? ⁵):ANI70Y Y:HWFH03 W:/)"74YN (O80WD ZW.LFT/I73Y)"74YN):ELOHI92YM?):A)AZ.ER:/KF73 W:/LO71) Y:DA(:T/F75NIY00? ⁶ L:MA74(AN Y"D:(81W. MI/M.IZ:RAX-\$E33ME\$03 W:/MI/M.A74(:ARBF80H K.IY-)E73PES B.I.L:(FD/F92Y?):ANI71Y Y:HWF73H W:/)"71YN (O75WD00? ⁷ YOWC"71R)OWR03 W:/BOWR"74) XO80\$EK: (O&E71H \$FLO73WM W:/BO74WR") RF92():ANI71Y Y:HWF73H (O&E71H KFL-)"75L.EH00 ⁸ HAR:(I70YPW. \$FMA33YIM03 MI/M.A80(AL W:/\$.XFQI73YM YIZ.:LW.-CE92DEQ? T.IP:T.AX-)E74REC W:/YIP:RW.-YE81\$A(? W:/C:DFQF70H TAC:MI33YXA03 YA80XAD):ANI71Y Y:HWF73H B.:RF)TI75Y/W00 ⁹ HO81WY 10RFB)ET-YO74C:R/O80W XE73RE&)ET-XAR:&"74Y):ADFMF92H? H:A/YO)MA63R)2 XO70MER L:/YO75C:R/OW03 MA75H-T.A:(A&E80H W:/PF(FL:/KF73)"YN-YFDA71YIM L/O75W00 ¹⁰ HO91WY)OM"71R L:/)F73B MAH-T.OWLI92YD W:/L:/)I\$.F73H MAH-T.:XIYLI75YN00 ¹¹ K.O75H-)FMA94R Y:HWF91H Q:DO71W\$ YI&:RF)"73L W:/YOC:R/O92W? HF/)OTIY.O74WT \$:/FL80W./NIY (AL-B.FN/A91Y W:/)(AL-P.O71(AL YFD/A73Y T.:CAW.U75/NIY00? ¹²)F75NOKIY03 (F&I74YTIY)E80REC W:/)FDF73M (FLE74Y/HF BFRF92)TIY?):ANI81Y YFD/AY03 NF+74W. \$FMA80YIM W:/KFL-C:BF)F73M CIW."75YTIY00? ¹³)FNOKIY03 HA(IYROTI74/H75W. B:/CE80DEQ W:/KFL-D.:RFKF73Y/W):AYA\$. "92R? H75W.)-YIB:NE70H (IYR/IY03 W:/GFLW.T/I74Y Y:\$AL."80XA? LO70) BI/M:XIYR03 W:/LO74) B:/O80XAD)FMA73R Y:HWF71H C:BF)O75WT00 ¹⁴ K.O74H05)FMA74R Y:HWF81H? Y:GI63Y(A MIC:RA71YIM W.95/S:XAR-K.W.\$02 W:/S:BF)IYM02)AN:\$"74Y MID.FH01? (FLA70Y/IK: YA:(ABO33RW.03 W:/L/F74K: YI75H:Y80W.)AX:ARA74Y/IK: Y)L"80KW. B.A/Z.IQ.I73YM YA:(ABO92RW.? W:/)"LA70Y/IK: YI75\$:T.AX:AW.W.03)1)"LA74Y/IK: YIT:P.AL.F80LW.?)A74K: B:/F71K:)"91L W:/)"71YN (O73WD)E71PES):ELOHI75YM00? ¹⁵)FK"85N)AT.F73H)"74L MIS:T.AT."92R):ELOH"71Y YI&:RF)"73L MOW\$I75Y(A00? ¹⁶ B.O71W\$W. W:/GA75M-NIK:L:M73W. K.UL:/F92M YAX:D.FW03 HFL:K74W. BA/K.:LIM.F80H XFRF\$"73Y CIYRI75YM00? ¹⁷ YI&:RF)L03 NOW\$A74(B.A/YHWF80H T:.\$W.(A73T (OWLFMI92YM? LO)-T"BO71\$W. W:/LO)-TIK.FL:M73W. (AD-(O71WL:M"Y (A75D00 ¹⁸ K.I74Y KO74H)F75MAR-14Y:HWFH B.OWR"63) HA/\$.FMA61YIM H74W.) HF/):ELOHI81YM? YOC"63R HF/)F70REC W:/)(O&/FH.03 H74W.) KO75WN:N/F80H.? LO)-TO71HW. B:RF)F73H. LF/\$E74BET Y:CFR/F92H.?):ANI71Y Y:HWF73H W:/)"71YN (O75WD00? ¹⁹ LO94) BA/S."74TER D.IB.A81R:T.IY B.I/M:QOWM03)E74REC XO80\$EK: LO71))FMA91R:T.IY L:/ZE71RA(YA:(AQO73B T.O74HW. BAQ:.\$92W./NIY?):ANI70Y Y:HWFH03 D.OB"74R CE80DEQ MAG.I73YD M"Y\$FRI75YM00? ²⁰ HIQ.FB:C71W. WF/BO91)W. HI75T:NAG:.\$71W. YAX:D.F73W P.:LIY+"74Y HA/G.OWYI92M? LO74) YFD:(81W. HA/N.O75&:IYM03)ET-("74C P.IS:L/F80M? W:/MIT:P.AL:LI80YM)EL-)73L LO71) YOW\$I75Y(A00? ²¹ HAG.I74YDW. W:/HAG.I80Y\$W.)A71P YI75W.F:(AC73W. YAX:D.F92W? MI74Y HI\$:MIY(A04 ZO63)T MI/Q.E61DEM M")/F74Z HIG.IYD/F81H.? H:A/LO63W)):ANI70Y Y:HWFH03 W:/)"75YN-(O70WD):ELOHIYM03 MI/B.AL:(FD/A80Y?)"75L-CAD.I74YQ

W./MOW\$180Y(A)A73YIN ZW.LFT/I75Y00? ²² P.:NW.-)"L/A71Y W:/HIW.F\$:(73W.
K.FL-)AP:S"Y-)F92REC? K.I71Y)ANIY-)"73L W:/)"71YN (O75WD00 ²³ B./I74Y
NI\$:B.A80(:T.IY? YFCF63) MI/P./I94Y C:DFQF91H D.FBF73R W:/LO74) YF\$92W.B?
K.IY-L/IY03 T.IK:RA74(K.FL-B.E80REK: T.I\$.FBA73(K.FL-LF\$O75WN00? ²⁴)A94K:
B.A/YHWF91H L/I71Y)FMA73R C:DFQO74WT WF/(O92Z? (FDFY/W03 YFBO74W)
W:/Y"BO80\$W. K.O73L HA/N.EX:ERI71YM B./O75W00? ²⁵ B.A/YHWF91H YIC:D.:Q71W.
W:/YI75T:HAL:L73W. K.FL-ZE71RA(YI&:RF)"75L00? **46** ¹ K.FRA71(B."L03 QOR"74S
N:BO80W HFYW.03 (:ACAB."Y/HE80M? LA/XAY.F73H W:/LA/B.:H"MF92H
N:&U)OT"Y/KE74M (:AMW.SO80WT MA&.F73) LA/(:AY"PF75H00? ² QFR:S70W.
KF75R:(W.03 YAX:D.F80W LO71) YFK:L73W. MAL."74+ MA&.F92)? W:/NAP:\$/F73M
B.A/\$.:BI71Y HFLF75KFH00 ³ \$IM:(70W.)"L/AY03 B."74YT YA:(AQO80B
W:/KFL-\$:)RI73YT B."74YT YI&:RF)"92L? HA75/(:AMUSIYM03 MI/N.IY-BE80+EN
HA/N.:&U)I73YM MI/N.IY-RF75XAM00? ⁴ W:/AD-ZIQ:NFH03)ANI74Y H80W.)
W:/AD-&"YBF73HJ2)ANI74Y)ES:B.O92L?)ANI70Y (F&I33YTIY03 WA):ANI74Y
)E&.F80) WA):ANI71Y)ES:B.O73L WA):AMAL."75+00 ⁵ L:/MI71Y T:DAM:Y73W./NIY
W:/TAS:W92W. W:/TAM:\$IL73W./NIY W:/NID:ME75H00? ⁶ HA/Z.FLI70YM ZFHFB03
MI/K.I80YS W:/KE73SEP B.A/Q.FNE74H YI\$:QO92LW.? YI&:K.:R70W. COWR"P03
W:/YA(:A&/"74HW.)"80L YIS:G.:D73W.)AP-YI75\$:T.AX:AW.75W.00?J1 ⁷ 14YI&.F)U/HW.
(AL-K.FT"63P YIS:B.:LU61/HW. W:/YAN.IYXU70/HW. TAX:T.FY/W03
W:/YA75(:AMO80D? MI/M.:QOWM/O73W LO74) YFMI92Y\$?)AP-YIC:(A70Q)"LFY/W03
W:/LO74) YA(:ANE80H MI/C.FRFT/O73W LO71) YOW\$IY/(E75N.W.00 ⁸ ZIK:RW.-ZO73)T
W:/HIT:)O\$F92\$W. HF\$171YBW. POW\$:(I73YM (AL-L"75B00? ⁹ ZIK:R71W. RI)SONO73WT
M"/(OWLF92M? K.I74Y)FNOKI71Y)"L03 W:/)"74YN (O80WD)ELOHI73YM W:/)E71PES
K.FMO75W/NIY00? ¹⁰ MAG.I70YD M"75/R")\$IYT03)AX:ARI80YT W:/MI/Q.E73DEM
)A\$E74R LO)-NA(:A&92W.?)OM"R03 (:ACFT/I74Y TFQ80W.M W:/KFL-XEP:C/I73Y
)E(:E&E75H00? ¹¹ QOR"70) MI/M.IZ:RFX03 (A80YI+ M")E71REC MER:XF73Q)I74Y\$
**(:ACFT/I92Y?)AP-D.IB.A33R:T.IY03)AP-):ABIY)/E80N.FH YFCA73R:T.IY
)AP-)E(:E&E75N.FH00 ¹² \$IM:(71W.)"L/A73Y)AB.I74YR"Y L"92B HF/R:XOWQI73YM
MI/C.:DFQF75H00? ¹³ Q"RA70B:T.IY CID:QFT/IY03 LO74) TIR:XF80Q W:/T:\$W.(FT/I73Y
LO74) T:)AX"92R? W:/NFTAT.I70Y B:/CIY.OWN03 T.:\$W.(F80H L:/YI&:RF)"73L
T.IP:)AR:T./I75Y00 **47** ¹ R:DI74Y05 W:/\$.BI74Y (AL-(FPF81R B.:TW.LAT03
B.AT-B.FBE80L? \$:BIY-LF/)F71REC)"YN-K.IS."73) B.AT-K.A&:D.I92YM? K.I74Y LO70)
TOWSI33YPIY03 YIQ:R:)W.-L/F80K: RAK.F73H WA/(:ANUG.F75H00? ² Q:XI71Y
R"XA73YIM W:/+A74X:ANIY QF92MAX G.AL.I63Y CAM.FT/"94K:? XE&:P.IY-\$O91BEL
G.AL.IY-\$O73WQ (IB:RI71Y N:HFRO75WT00? ³ T.IG.FL03 (ER:WFT/"80K: G.A71M
T."RF)E73H XER:P.FT/"92K:? NFQF74M)EQ.F80X W:/LO71))EP:G.A73()FDF75M00
⁴ G.O):AL/"85NW. Y:HWF71H C:BF)O73WT \$:M/O92W Q:DO73W\$ YI&:RF)"75L00?
⁵ \$:BI71Y DW.MF91M W:/BO71)IY BA/XO73\$EK: B.AT-K.A&:D.I92YM? K.I74Y LO70)
TOWSI33YPIY03 YIQ:R:)W.-L/F80K: G.:BE73RET MAM:LFKO75WT00? ⁶ QFCA74P:T.IY
(AL-(AM./I81Y XIL.A33L:T.IY03 NAX:ALFT/I80Y? WF)ET.:N/"73M B.:YFD/"92K:
LO)-&A70M:T.: L/FHEM03 RAX:AMI80YM? (AL-ZFQ"85N HIK:B.A71D:T.: (UL/"73K:
M):O75D00? ⁷ WA/T.O74)M:RI80Y L:/OWLF73M)EH:YE74H G:BF92RET (A74D?
LO)-&A71M:T.:)"33L.EH03 (AL-LIB./"80K: LO71) ZFKA73R:T.:)AX:ARIYT/F75H.00
⁸ W:/AT.F62H \$IM:(IY-ZO70)T (:ADIYNFH03 HA/Y.OW\$E74BET LF/BE80+AX?
HF)/O75M:RFH03 B.I/L:BF80B/FH.)ANI73Y W:/)AP:S/I74Y (O92WD? LO70))"B03
)AL:MFNF80H W:/LO71))"DA73(\$:KO75WL00? ⁹ W:/TFBO)NHF04 L./F63K:
\$:T."Y-)"71L.EH RE91GA(B.:YO71WM)EXF73D? \$:KO74WL W:/)AL:MO92N
K.:TUM./FM03 B.F74)W. (FLA80Y/IK:? B.:RO74B K.:\$FPA80Y/IK: B.:/FC:MA71T
X:ABFRA73Y/IK: M):O75D00? ¹⁰ WA/T.IB:+:XI74Y B:/RF(FT/"81K:)FMAR:T.:03)"74YN
RO)/F80NIY? XFK:MFT/"71K: W:/DA(:T./"73K: HI74Y) \$OWB:BF92T/EK:?
WA/T.O)M:RI74Y B:/LIB./"80K:)ANI73Y W:/)AP:S/I71Y (O75WD00? ¹¹ W:/BF94)
(FLA74Y/IK: RF(F81H LO70) T"D:(IY03 \$AX:R/F80H.? W:/TIP.O70L (FLA33Y/IK:03
HOWF80H LO71) TW.K:LI73Y K.AP.:R/F92H.? W:/TFBO63) (FLA94Y/IK: P.IT:)O91M
\$OW)F73H LO71) T"DF75(IY00? ¹² (IM:DIY-NF70) BA/X:ABFRA33Y/IK:03 W:/B:/RO74B
K.:\$FPA80Y/IK:? B.A):A\$E71R YFGA73(AT.: MI/N.:W.RF92Y/IK:?)W.LA91Y
T.W.K:LI71Y HOW(I73YL)W.LA71Y T.A(:ARO75WCY00? ¹³ NIL:)73YT B.:RO74B
(:ACFTF92Y/IK: YA(AM:DW.-NF63)? W:/YOW\$IY(U61/K: **HOB:R"74Y \$FMA81YIM

HA75/XOZIYM03 B.A/K.O74WKFB180YM? MO75WDIY(IM03 LE/X:FDF\$180YM M"/):A\$E71R YFBO73)W. (FLF75Y/IK:00? ¹⁴ HIN."63H HFY70W. K:/QA\$03)"74\$ &:RFPF80T/AM? LO75)-YAC.I71YWLW.)ET-NAP:\$F73M MI/Y.A74D LE75HFBF92H?)"YN-G.AXE74LET LA/X:MF80M)73W.R LF/\$E71BET NEG:D./O75W00? ¹⁵ K."71N HFYW.-L/F73K:)A\$E74R YFGF92(AT.: SOX:ARA74Y/IK: MI/N.:(W.RA81Y/IK:?) I70Y\$ L:/(EB:R/OW03 T.F(80W.)"73YN MOW\$YI(/"75K:00 **48** ¹ \$IM:(W.-ZO74)T B."75YT-YA:(AQO81B? HA/N.IQ:RF)IYM03 B.:/\$"74M YI&:RF)"80L W./MI/M."71Y Y:HW.DF73H YFCF92)W.? HA75/N.I\$B.F(I74YM05 B.:/\$"74M Y:HWF81H W./B"/)LOH"70Y YI&:RF)"L03 YAZ:K.I80YRW.? LO71) BE/):EME73T W:/LO71) BI/C:DFQF75H00 ² K.I75Y-M"/(I70YR HA/Q.O33DE\$03 NIQ:RF80)W.? W:/(AL-):ELOH"71Y YI&:RF)"73L NIS:MF92KW. Y:HWF71H C:BF)O73WT \$:M/O75W00 ³ HF/RI75)\$ONOWT03 M"/)F74Z HIG.A80D:T.IY W./MI/P.I71Y YFC:)73W. W:/)A\$:MIY(/"92M? P.IT:O71M (F&I73YTIY WA/T.FBO75)NFH00 ⁴ MI/D.A:(T./I85Y K.I71Y QF\$E73H)F92T.FH? W:/GI70YD B.AR:ZEL03 (FR:P./E80KF W./MIC:X:/AKF73 N:XW.\$F75H00? ⁵ WF/)AG.I70YD L:/KF03 M"/)F80Z B.:+E71REM T.FBO73W) HIS:MA:(T.I92Y/KF? P.EN-T.O)MAR03 (FC:B./I74Y (F&/F80M W./PIS:L/I71Y W:/NIS:K./I73Y CIW./F75M00? ⁶ \$FMA70:(T.F75 X:AZ"7H03 K.UL./F80H. W:/)AT.E73M H:A/LO74W) TAG.I92YDW.? HIS:MA:(T.I70Y/KF X:ADF\$OWT03 M"/(A80T.FH W./N:CURO73WT W:/LO71) Y:DA:(T./F75M00? ⁷ (AT.F70H NIB:R:JW.03 W:/LO74) M"/)F80Z W:/LI/P:N"Y-YO73WM W:/LO74) \$:MA:(T./F92M? P.EN-T.O)MA73R HIN."71H Y:DA:(T.I75Y/N00? ⁸ G.A74M LO75)-\$FMA81:(T.F 10G.AM LO74) YFDA80:(T.F G.A85M M"/)F73Z LO)-PIT:XF74H)FZ:N/E92KF? K.I70Y YFDA33:(T.IY03 B.FGO74WD T.IB:G.O80WD W./PO\$"71(A MI/B.E73+EN QO71RF) L/F75K:00? ⁹ L:MA70(AN \$:M/IY03)A:ARI74YK:)AP./I80Y W./T:HIL.FT/I73Y)EX:E+FM-L/F92K: L:/BIL:T.I73Y? HAK:RIYT/E75KF00? ¹⁰ HIN."71H C:RAP:T.I73Y/KF W:/LO74) B:/KF92SEP B.:XAR:T.I73Y/KF B.:K71W.R (O75NIY00? ¹¹ L:MA:(AN/I94Y L:MA:(AN/I91Y)E:(E&E73H K.I74Y)"74YK: Y"XF92L? W:/K:BOWD/I73Y L:/)AX"71R LO75)-)ET."75N00 ¹² \$:MA70()"L/AY03 YA75:(AQO80B W:/YI&:RF)"73L M:QORF)/I92Y?)ANIY-HW.)03)ANI74Y RI)\$O80WN)A73P)ANI71Y)AX:ARO75WN00? ¹³)AP-YFD/IY03 YF74S:DFH)E80REC WI75/YMIYN/I73Y +IP:XF74H \$FMF92YIM? QOR"71))ANI91Y)AL"Y/HE73M YA(AM:D71W. YAX:D.F75W00? ¹⁴ HIQ.FB:C70W. KUL:/KEM03 W.95/\$:AMF80(W. MI71Y B/FHE73M HIG.I74YD)ET-)"92L.EH? Y:HWF74H)AH"B/O80W YA:(A&E70H XEP:C/OW03 B.:/BFB80L W:/Z:RO(/O73W K.A&:D.I75YM00? ¹⁵)ANI71Y)ANI91Y D.IB.A73R:T.IY)AP-Q:RF)TI92Y/W H:ABIY)OTI73Y/W W:/HIC:LI71YXA D.AR:K./O75W00? ¹⁶ QIR:B94W.)"L/A74Y \$IM:(W.-ZO81)T? LO70) M"/RO)\$03 B.A/S."74TER D.IB.A80R:T.IY M"/("71T H:EYOWT/F73H. \$F74M)F92NIY? W:/)AT.F81H)ADONF94Y Y:HWI91H \$:LFX/A73NIY W:/RW.X/O75W00 ¹⁷ K.O75H)-FMA94R Y:HWF91H G.O)AL:/KF73 Q:DO74W\$ YI&:RF)"92L?)ANI63Y Y:HWF70H)ELOHE33Y/KF03 M:LAM.ED:/KF74 L:/HOW(I80YL? MAD:RI75YK:/AKF73 B.:/DE71REK: T."L"75K:00 ¹⁸ L71W.) HIQ:\$A73B:T.F L:/MIC:WOT/F92Y? WA/Y:HI70Y KA/N.FHFR03 \$:LOWM/E80KF W:/CID:QFT:/KF73 K.:/GAL."71Y HA/Y.F75M00? ¹⁹ WA/Y:HI70Y KA/XOWL03 ZAR:(/E80KF W:/CE):ECF)"71Y M"(E73Y/KF K.I/M:(OTF92Y/W? LO75)-YIK.FR"94T W:/75/LO)-YI\$.FM"91D \$:M/O73W MI/L.:/PFNF75Y00? ²⁰ C:)74W. MI/B.FBEL02 B.IR:X74W. MI/K.A&:D.IYM01? B.:/QO74WL RIN.F81H HAG.I70YDW. HA\$:MI33Y(W.03 ZO80)T? HOWCIY)73W./HF (AD-Q:C"74H HF)/F92REC?)IM:R85W. G.F)A71L Y:HWF70H (AB:D./O71W YA:(AQO75B00? ²¹ W:/LO74) CFM:)81W. B.F/X:FRFBOWT03 HO75WLIYK/F80M? MA71YIM MI/C.73W.R HIZ.L74YL L/F92MOW? WA/Y.I63B:QA(-C80W.R WA/Y.FZU73BW. MF75YIM00? ²²)"74YN \$FLO80WM)FMA71R Y:HWF73H LF/R:\$F(I75YM00 **49** ¹ \$IM:(70W.)IY.IYM03)"L/A80Y W:/HAQ:\$I71YBW. L:)UM.I73YM M"/RFXO92WQ? Y:HWFH03 MI/B.E74+EN Q:RF)/F80NIY MI/M.:("71Y)IM./I73Y HIZ:K.I71YR \$:M/I75Y00? ² WA/Y.F70&EM P./IY03 K.:/XE74REB XAD.F80H B.:/C"71L YFD/O73W HEX:B.IY)/F92NIY? WA/Y:&IYM/"33NIY03 L:/X"74C B.FR80W.R B.:/A\$P.FT/O73W HIS:T.IYR/F75NIY00? ³ WA/Y.O71)MER LI73Y (AB:D./Y-)F92T.FH YI&:RF)"85L)A\$ER-B:/KF73)ET:P.F)F75R00? ⁴ WA/):ANI70Y)FMA33R:T.IY03 L:/RI74YQ YFGA80:(T.IY L:/TO71HW. W:/HE73BEL K.OX/I74Y KIL."92YTIY?)FK"N03 MI\$P.F+/I74Y)ET-Y:HWF80H W:/P:(UL.FT/I73Y)ET-):ELOH/F75Y00? ⁵ W:/)AT.F74H05)FMA74R Y:HWF81H YOC:R/I70Y MI/B.E33+EN03 L:/E74BED L/O80W? L:/\$OWB"70B YA75:(AQOB03)"LF80Y/W W:/YI&:RF)"73L **L/O74W Y")FS"92P? W:/)EK.FB"D03

B.:("YN"74Y Y:HWF80H W")LOH/A73Y HFYF71H (UZ./I75Y00? ⁶ WA/Y.O81)MER
 NFQ"63L MI75/H:YOWT/:KF71 L/IY03 (E80BED L:/HFQIYM03)ET-\$IB:+"74Y
 YA(:AQO80B? **W./N:CW.R"71Y YI&:RF)"73L L:/HF\$I92YB W./N:TAT.I33Y/KF03
 L:/O74WR G.OWYI80M? LI75/H:YO71WT Y:\$W.(FT/I73Y (AD-Q:C"71H HF)/F75REC00
⁷ K.O74H)F75MAR-Y:HWFH04 G.O)"63L YI&:RF)"61L Q:DOW\$/O81W?
 LI/B:ZOH-NE61PE\$ LI/M:TF70("75B G.OWY03 L:/(E74BED MO\$:LI80YM? M:LFKIYM03
 YIR:)"74W. WF/QF80MW. &FRI73YM W:/YI75\$:T.AX:AW.92W.?)1 L:MA70(AN Y:HWFH03
):A\$E74R NE):EMF80N Q:DO71\$ YI&:RF)"73L WA/Y.IB:XFR/E75K.F00? ⁸ K.O74H05
)FMA74R Y:HWF81H? B.:("70T RFCOWN03 (:ANIYTI80Y/KF W./B:/YO71WM
 Y:\$W.(F73H (:AZAR:T.I92Y/KF? W:/)EC.FR/:KF81 W:/)ET.EN/:KF03 LI/B:RI74YT (F80M?
 L:/HFQI74YM)E80REC L:/HAN:XI73YL N:XFLO71WT \$OM"MO75WT00? ⁹ L")MO70R
 LA75):ASW.RIYM03 C"80)W. LA):A\$E71R B.A/XO73\$EK: HIG.FL92W.?
 (AL-D.:RFKI74YM YIR:(80W. W./B:/KFL-\$.PFYI73YM MAR:(IYT/F75M00? ¹⁰ LO70)
 YIR:(F33BW.03 W:/LO74) YIC:MF80)W. W:/LO)-YAK."/71M \$FRF73B WF/\$F92ME\$?
 K.IY-M:RAX:AM/F74M Y:NAH:AG/"80M W:/AL-MAB.71W.("Y MA73YIM
 Y:NAH:AL/"75M00? ¹¹ W:/&AM:T.I71Y KFL-HFR/A73Y LA/D.F92REK: W./M:SIL.OT/A73Y
 Y:RUM75W.N00? ¹² HIN."H-)"85L.EH M"/RFXO73WQ YFBO92)W.
 W:/HI75N."H-)"33L.EH03 MI/C.FPO74WN W./MI/Y.F80M W:/)"73L.EH? M"/)E71REC
 SIYNI75YM00? ¹³ RFN.70W. \$FMA33YIM03 W:/GI74YLIY)F80REC **W./PIC:X71W.
 HFRI73YM RIN.F92H? K.I75Y-NIXA70M Y:HWFH03 (AM./O80W WA:(ANIY./F73W
 Y:RAX"75M00 ¹⁴ WA/T.O71)MER CIY.O73WN (:AZFB/A74NIY Y:HWF92H WA/)DONF73Y
 \$:K"X/F75NIY00? ¹⁵ H:A/TI\$:K.A70X)I\$.FH03 (W.L/F80H. M"/RAX"73M
 B.EN-B.I+:N/F92H.? G.AM-)"74L.EH TI\$:K.A80X:NFH W:/)FNOKI73Y LO71)
)E\$:K.FX/"75K:00? ¹⁶ H"71N (AL-K.AP.A73YIM XAQ.OTI92Y/K: XOWMOTA71Y/IK:
 NEG:D./I73Y T.FMI75YD00? ¹⁷ MI75H:AR73W. B.FNF92Y/IK: M:HF75R:SA71Y/IK:
 W./MAX:ARIBA73Y/IK: MI/M."/71K: Y"C"75)W.00? ¹⁸ &:I75Y-SFBI70YB ("YNA33Y/IK:03
 W./R:)I80Y K.UL./F73M NIQ:B.:C74W. BF75)W.-L/F92K: XAY-)F74NIY
 N:)UM-Y:HWF81H K.I70Y KUL./FM03 K.F/(:ADI74Y TIL:B.F80\$Y W.95/T:QA\$:RI73Y/M?
 K.A/K.AL.F75H00? ¹⁹ K.I70Y XFR:BOTA33Y/IK:03 W:/O74M:MOTA80Y/IK: W:/)E73REC
 H:ARI75SUT"92Y/K: K.I70Y (AT.FH03 T."C:RI74Y MI/Y.OW\$"80B W:/RFX:AQ73W.
 M:BAL:.(F75Y/IK:00? ²⁰ 10(OWD YO)M:R74W. B:/FZ:NA80Y/IK: B.:N"73Y
 \$IK.ULF92Y/IK: CAR-L/I71Y HA/M.FQO73WM G.:SFH-L./I71Y W:/)"\$75BFH00?
²¹ W:/)FMA74R:T.: B.I/L:BFB/"81K: MI70Y YF75LAD-L/IY03)ET-)"80L.EH? WA):ANI71Y
 \$:KW.LF73H W:/GAL:MW.DF92H G.OLF74H05 W:/SW.RF81H W:/)"33L.EH03 MI74Y
 GID."80L? H"70N):ANIY03 NI\$:A74R:T.IY L:/BAD./I80Y)"73L.EH)"YPO71H H"75M00
²² K.O75H-)FMA62R):ADONF74Y Y:HWI81H? HIN."63H)E&.F70))EL-G.OWYIM03
 YFD/I80Y W:/)EL-(AM.I73YM)FRI74YM NIS./I92Y? W:/H"BI70Y)W. BFNA33Y/IK:03
 B.:XO80CEN W./B:NOTA73Y/IK: (AL-K.FT"71P T.IN.F&E75)NFH00? ²³ W:/HFY63W.
 M:LFKI61YM)O75M:NA81Y/IK: W:/&FRO75WT"Y/HEM03 M"YNI74YQOTA80Y/IK:?
)AP.A81YIM 10)EREC YI\$:T.A74X:AWW. L/F80K: WA/(:APA71R RAG:LA73Y/IK:
 Y:LAX"92KW.? W:/YFDA33(AT.:03 K.I75Y-):ANI74Y Y:HWF80H):A\$E71R
 LO75)-Y"BO73\$W. QOW/F75Y00 ²⁴ H:A/YUQ.A71X MI/G.IB.O73WR MAL:QO92WXA
 W:/)IM-\$.BI71Y CAD.I73YQ YIM.FL"75+00? ²⁵ K.IY-KO74H05)FMA74R Y:HWF81H?
 G.AM-\$.BI70Y GIB.OWR03 YUQ.F80X W./MAL:QO71WXA (FRI73YC YIM.FL"92+?
 W:/)ET-Y:RIYB/"K:03)FNOKI74Y)FRI80YB W:/)ET-B.FNA73Y/IK:)FNOKI71Y
)OW\$175Y(A00? ²⁶ W:/HA):AKAL:T.I70Y)ET-MOWNA33Y/IK:03)ET-B.:&FR/F80M
 W:/KE/(:FSI73YS D.FM/F74M YI\$:K.FR92W.N? W:/YFD:(74W. KFL-B.F&F81R K.I74Y
):ANI70Y Y:HWFH03 MO75W\$YI/("80K: W:/GO):AL/"73K:):ABI71YR YA(:AQO75B00
50 ¹ K.O74H05)FMA74R Y:HWF81H?)"74Y 14ZE H S"74PER K.:RIYT70W.T)IM./:KEM03
):A\$E74R \$IL.AX:T.I80Y/HF? 10)OW MI74Y MI/N.OW\$/A80Y):A\$ER-MFKA71R:T.IY
)ET/:KE73M L/O92W? H"70N B.A/(:AWONO75T"Y/KEM03 NIM:K.AR:T.E80M
 W./B:/PI\$("Y/KE73M \$UL.:XF71H)IM./:KE75M00? ² MAD.63W.(A B.F61)T/IY W:/)"74YN
)I81Y\$ QFRF75)T/IY02]3 W:/)"74YN (OWNEH01? H:A/QFCO63WR QFC:RF70H YFD/IY03
 MI/P.:D80W.T W:/)IM-)"75YN-B./I71Y KO73XA L:/HAC.I92YL? H"74N B.:GA(:ARFT/I62Y
)AX:ARI74YB YF81M)F&I70YM N:HFROWT03 MID:B.F80R? T.IB:)A70\$ D.:GFT/FM03
 M"/)"74YN MA80YIM W:/TFMO73T B.A/C.FMF75)00? ³)AL:B.I71Y\$ \$FMA73YIM
 QAD:R92W.T W:/&A73Q)F&I71YM K.:SW.T/F75M00 ⁴):ADONF74Y Y:HOWI81H

NF70TAN L/IY03 L:\$O74WN LIM.W.DI80YM? LF/DA91(AT LF/(71W.T)ET-YF("73P
D.FBF92R YF(I74YR05? B.A/B.O74QER B.A/B.O81QER YF(I71YR L/IY03)O80ZEN
LI/\$:MO73(A K.A/L.IM.W.DI75YM00? ⁵):ADONF70Y Y:HWIH03 P.FTA75X-L/I74Y
)O80ZEN? W:/)FNOKI73Y LO74) MFRI92YTIY)FXO73WR LO71) N:SW.GO75TIY00?
⁶ G."W/IY03 NFTA74T.IY L:/MAK.I80YM W./L:XFY/A73Y L:/MO75R:+I92YM? P.FN/AY03
LO74) HIS:T.A80R:T.IY MI/K.:LIM.O73WT WF/RO75Q00? ⁷ WA/)DONF70Y Y:HWIH03
YA75(:AZFR-L/I80Y (AL-K."73N LO74) NIK:LF92M:T.IY? (AL-K."62N &A70M:T.IY
PFN/AY03 K.A75/XAL.FMI80Y\$ WF/)"DA73(K.IY-LO71))"BO75W\$00? ⁸ QFROWB03
MAC:D.IYQ/I80Y MI75Y-YFRI71YB)IT./I73Y NA74(AM:DFH Y.F92XAD?
MI75Y-BA71(AL MI\$:P.F+/I73Y YIG.A71\$)"L/F75Y00? ⁹ H"74N):ADONF70Y Y:HWIH03
YA75(:AZFR-L/I80Y MIY-H73W.) YAR:\$IY(/"92NIY? H"70N K.UL./FM03 K.A/B.E74GED
YIB:L80W. (F73\$ YO)K:L/"75M00? ¹⁰ MI70Y B/FKEM03 Y:R"74) Y:HWF80H \$OM"73(A
B.:/QO74WL (AB:D./O92W?):A\$E74R05 HFLA74K: X:A\$"KI81YM W:/)"71YN
NO33GAH.03 L/O80W? YIB:+AX03 B.:/"74M Y:HWF80H W:/YI\$.F("73N
B."/)LOHF75Y/W00? ¹¹ H"94N K.UL./:KE91M QO71D:X"Y)"73\$ M:)AZ.:R"74Y
ZIYQO92WT? L:K74W.05 B.:/)74W.R)E\$/:KE81M W./B:/ZIYQOWT03 B.I75(AR:T.E80M?
MI/Y.FD/IY03 HFY:TFH-Z.O74)T L/FKE80M L:/MA(:AC"BF73H T.I\$:K.FB75W.N00

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