

The TanakhML Project

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Biblia Hebraica Stuttgartensia
Isaiah 41-65

41 ¹ HAX:ARI70Y\$W.)"/AY03)IY.I80YM W./L:)UM.I73YM YAX:ALI74YPW. KO92XA? YIG.:\$W.03)F74Z Y:DAB."80RW. YAX:D.F73W LA/M.IS: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:LFI74YM 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):AS:T.I75Y/KF00? ¹⁰)AL-T.IYRF)03 K.I74Y (IM./:KF-)F80NIY)AL-T.IS: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.I75YR:)IY03 T.OWLA74(AT YA75(:AQO80B M:T"73Y YI&:RF)"92L?):ANI70Y (:AZAR:T.IY/K:03 N:)UM-Y:HWF80H W:/GO):AL/"73K: Q:DO71W\$ YI&:RF)"75L00? ¹⁵ HIN."74H &AM:T.I81Y/K: L:/MOWRAG03 XFR74W.C XFDF80\$ B.A73(AL P.I75YPIY.O92WT? T.FD70W.\$ HFRIYM03 W:/TFDO80Q W:/G:BF(O73WT K.A/M.O71C T.F&I75YM00? ¹⁶ T.IZ:R/"M03 W:/R74W.XA T.I&.F)"/80M W:/S:(FRF73H T.FPI74YC)OWT/F92M? W:)/AT.FH03 T.FGI74YL B.A75/YHWF80H B.I/Q:DO71W\$ YI&:RF)"73L T.IT:HAL.F75L00 ¹⁷ HF/(:ANIY.I63YM W:/HF/)EB:YOWNI61YM M:BAQ:\$I71YM MA33YIM03 WF/)A80YIN L:\$OWN/F73M B.A/C.FMF74) NF\$F92T.FH?):ANI70Y Y:HWFH03)E:(EN/"80M):ELOH"71Y YI&:RF)"73L LO71))E(EZ:B/"75M00? ¹⁸)EP:T.A70X (AL-\$:PFYIYM03 N:HFRO80WT W:B:/TO71WK: B.:QF(O73WT MA(:YFNO92WT?)F&I70YM MID:B.FR03 LA):AGAM-MA80YIM W:)/E71REC CIY.F73H L:/MOWCF71)"Y MF75YIM00? ¹⁹)ET."70N B.A/M.ID:B.FR03)E74REZ \$I+.F80H WA/H:ADA73S W:/("74C \$F92MEN?)F&I74YM B.F/(:ARFBF81H B.:RO91W\$ T.ID:HF71R W:/T:)A\$.73W.R YAX:D.F75W00? ²⁰ L:MA94(AN YIR:)74W. W:/Y"D:(81W. W:/YF&I70YMW. W:/YA&:K.I33YLW.03 YAX:D.F80W? K.I71Y YAD-Y:HWF73H (F74&:TFH Z.O92)T W:/Q:DO71W\$ YI&:RF)"73L B.:RF)/F75H.00 ²¹ QFR:B71W. RI75YB:/KE73M YO)MA74R Y:HWF92H HAG.I33Y\$W.03 (:ACUMO74WT"Y/KE80M YO)MA73R? ME71LEK: YA(:AQO75B00? ²² YAG.I33Y\$W.03 W:/YAG.I74YDW. L/F80NW.)"73T):A\$E74R T.IQ:RE92YNFH? HF/RI)\$ONO74WT05 MF74H H"81N.FH HAG.I61YDW. W:/NF&I70YMFH LIB./"33NW.03? W:/N"D:(F74H)AX:ARIYT/F80N)O71W HA/B.F)O73WT HA\$:MIY(U75/NW.00? ²³ HAG.I33YDW.03 HF/)OTIY.O74WT L:/FXO80WR W:/N"74D:(F80H K.I71Y):ELOHI73YM)AT.E92M?)AP-T."Y+I74YBW. W:/TFR"80(W. W:/NIS:T.F73(FH **W:/NIR:)E71H YAX:D.F75W00? ²⁴ H"N-)AT.E74M M")/A80YIN W:/PF(FL:/KE73M M")/F92PA(T.OW("BF73H YIB:XA71R B./FKE75M00? ²⁵ HA(IYRO70WTIY MI/C.FPOWN03 WA/Y.A80)T MI/M.IZ:RAX-\$E73ME\$ YIQ:RF74) BI/\$: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 MIS:P.F73+ LA/G.OWYI71M YOWCI75Y)00? ² LO71) YIC:(A73Q W:/LO74) YI&.F92) W:/LO75)-YA\$:MI71Y(A B.A/X73W.C QOWL/O75W00? ³ QFNE70H RFCW.C03 LO74) YI\$:B.O80WR W./PI\$:T.F71H K"HF73H LO74) Y:KAB./E92N.FH? LE/):EME73T YOWCI71Y) MIS:P.F75+00 ⁴ LO70) YIK:HEH03 W:/LO74) YFR80W.C? (AD-YF&I71YM B.F)F73REC MIS:P.F92+ W./L:/TOWRFT/O73W)IY.I71YM Y:YAX"75YLW.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)AS: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? ²² 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.F94H)3 YA(:AQO91B W:/YI&:RF)"71L L:/BOZ:ZI73YM? H:A/LO74W) Y:HWF92H 10ZW. XF+F74)NW. L/O80W? W:/LO75)-FB70W. BI/D:RFKFY/W03 HFLO80WK: W:/LO71) \$FM:(73W. B:/TOWRFT/O75W00? ²⁵ WA/Y.I\$:P.O70K: (FLFY/W03 X"MF74H)AP./O80W WE/(:EZ73W.Z MIL:XFMF92H? WA/T.:LAH:A+"70HW. MI/S.FBIYB03 W:/LO74) YFDF80(WA/T.IB:(AR-B.O73W W:/LO)-YF&I71YM (AL-?L"75B00 **43** ¹ W:/)AT.F62H K.O75H)-FMA70R Y:HWFH03 B.ORA/):AKF74 YA(:AQO80B W:/YOCER:KF73 YI&:RF)"92L?)AL-T.IYRF)03 K.I74Y G:)AL:T.I80Y/KF QFRF71)TIY B:/SIM:/KF73 L/IY)-F75T.FH00? ² K.I75Y-TA(:ABO70R B.A/M.A33YIM03)IT./:KF-)F80NIY W./BA/N.:HFRO73WT LO74) YI\$:+:P92W./KF? K.I75Y-T"L"70K: B.:MOW-)"\$03 LO74) TIK.FWE80H W:/LEHFBF73H LO71) TIB:(AR-B./F75K:00? ³ K.I81Y)ANIY03 Y:HWF74H)ELOHE80Y/KF Q:DO71W\$ YI&:RF)"73L MOW\$IY(/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

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\$175Y(A00?
12)FNOKI62Y HIG.A70D:T.IY W:/HOW\$A33(:T.IY03 W:/HI\$:MA80(:T.IY W:/)"71YN
B./FKE73M ZF92R? W:/)AT.E71M ("D/A91Y N:)UM-Y:HWF73H WA75):ANIY-)"75L00
13 G.AM-MI/Y.OWM03):ANI74Y H80W.)? W:/)"71YN MI/Y.FD/I73Y MAC.I92YL)EP:(A73L
W./MI71Y Y:\$IYB/E75N.FH00 14 K.O75H-)FMA94R Y:HWF91H G.O)AL/:KE73M Q:DO74W\$
YI&:RF)"92L? L:MA(AN:KE62M \$IL.A74X:T.IY BFBE81L/FH W:/HOWRAD:T.I70Y
BF75/RIYXIYM03 K.UL./F80M? W:/KA&:D.I73YM B.F):FNIY.O71WT RIN.FT/F75M00?
15):ANI71Y Y:HWF73H Q:DO75W\$/:KE92M B.OWR"71) YI&:RF)"73L MAL:K./:KE75M00
16 10K.OH)FMA74R Y:HWF80H HA/N.OWT"71N B.A/Y.F73M D.F92REK: W./B:/MA71YIM
(AZ.I73YM N:TIYBF75H00? 17 HA/M.OWCI71Y) RE75KEB-WF/S73W.S XA74YIL
W:/IZ.92W.Z YAX:D.F70W? YI\$:K.:BW.03 B.AL-YFQ80W.MW. D.F:(AK73W.
K.A/P.I\$:T.F71H KFB75W.00? 18)A75L-T.IZ:K.:R73W. RI75)\$ONO92WT
W:/QAD:MONIY.O73WT)AL-T.IT:B.ONF75NW.00? 19 HIN:/NI63Y (O&E70H X:AD\$FH03
(AT.F74H TIC:MF80X H:A/LO73W) T"75DF(92W./HF?)A74P)F&I70YM B.A/M.ID:B.FR03
D.E80REK: B.I75/Y\$IMO73WN N:HFRO75WT00? 20 T.:KAB.:D/"33NIY03 XAY.A74T
HA/&.FDE80H T.AN.I73YM W./B:NO74WT YA75(:ANF92H? K.I75Y-NFTA63T.IY
BA/M.ID:B.F61R MA81YIM N:HFROWT03 B.I75/Y\$IYMO80N? L:/HA\$:QO73WT
(AM./I71Y B:XIYR/I75Y00 21 (AM-ZW.03 YFCA74R:T.IY L/I80Y? T.:HIL.FT/I73Y
Y:SAP."75RW.00 22 W:/LO)-)OT/I71Y QFRF73)TF YA75(:AQO92B K.I75Y-YFGA71(:T.F
B./I73Y YI&:RF)"75L00? 23 LO75)-H"B"70Y)TF L./IY03 &"74H (OLOTE80Y/KF
W./Z:BFXE73Y/KF LO74) KIB.AD:T.F92/NIY? LO70) HE(:EBAD:T.I33Y/KF03
B.:MIN:XF80H W:/LO71) HOWGA(:T.I73Y/KF B.I/L:BOWNF75H00? 24 LO)-QFNI63YTF
L./I70Y BA/K.E33SEP03 QFNE80H W:/X"71LEB Z:BFXE73Y/KF LO74) HIR:WIYT/F92NIY?
JA81K: 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-CE):ECF)E75Y/KF00? 4 W:/CFM:X73W. B.:B"74YN XFCI92YR
K.A/(:ARFTI73Y (AL-CE):ECF)E75Y/KF00? 5 ZE70H YO)MAR03 LA75/YHWF74H
)F80NIY W:/ZE73H YIQ:RF74) B:\$"75M-YA(:AQO92B? W:/ZE81H YIK:T.O70B YFD/OW03
LA75/YHWF80H W./B:\$"71M YI&:RF)"73L Y:KAN.E75H00 6 K.O75H-)FMA63R
Y:HWF94H ME75LEK:-YI&:RF)"91L W:/GO):AL/O73W Y:HWF74H C:BF)O92WT?
):ANI70Y RI)\$OWN03 WA):ANI74Y)AX:ARO80WN W./MI/B.AL:(FD/A73Y)"71YN
):ELOHI75YM00? 7 W./MI75Y-KFMO74W/NIY YIQ:RF81) W:/YAG.IYD/E70HF
W:/YA(:R:K/E33HF03 L/I80Y? MI/&.W.MI73Y (AM-(OWLF92M W:/)OTIY.O91WT
WA):A\$E71R T.FBO73)NFH YAG.I71YDW. L/F75MOW00? 8)A75L-T.IP:X:ADW.03
W:/)AL-T.IR:H80W. H:A/LO71) M"/)F91Z HI\$:MA(:T.I71Y/KF W:/HIG.A73D:T.IY?
W:/)AT.E74M ("D/F92Y H:A/Y"70\$)ELO33WH.A03 MI/B.AL:(FD/A80Y W:/)"71YN
C73W.R B.AL-YFDF75(:T.IY00? 9 YO75C:R"Y-PE70SEL K.UL./FM03 T.O80HW.
WA/X:AMW.D"Y/HE73M B.AL-YOW(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:)E71RET)FDF73M LF/\$E71BET B.F75YIT00? ¹⁴ LI/K:RFT-L/O74W
):ARFZI80YM WA/Y.IQ.A70X T.IR:ZFH03 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:/YIS:T.A33XW.03?
W:/YIT:P.AL."74L)"LF80Y/W W:/YO)MAR03 HAC.IYL/"80NIY K.I71Y)"L/I73Y
)F75T.FH00? ¹⁸ LO71) YFD:(73W. W:/LO74) 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 HFRI33Y(W.03 T.AX:T.IY.O74WT)F80REC?
P.IC:X70W. HFRIYM03 RIN.F80H YA73(AR W:/KFL-("74C B./O92W? K.I75Y-GF)A70L
Y:HWFH03 YA75(:AQO80B W:/B:/YI&:RF)"73L YIT:P.F)F75R00 ²⁴ K.O75H)-FMA70R
Y:HWFH03 G.O):AL/E80KF W:/YOCER:KF73 MI/B.F92+EN?)FNOKI70Y Y:HWFH03
(O74&EH K.O80L? NO+E70H \$FMA33YIM03 L:/BAD./I80Y ROQA71(HF)/F73REC
**M"/)IT./I75Y00? ²⁵ M"P"R03)OTO74WT B.AD.I80YM W:/QOS:MI73YM Y:HOWL"92L?
M"\$I94YB X:AKFMI91YM)FXO73WR W:/DA:(T./F71M Y:&AK."75L00? ²⁶ M"QIYM03
D.:BA74R (AB:D./O80W WA/(:ACA71T MAL:)FKF73Y/W YA\$: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:/SIM:KF73):ELOH"71Y YI&:RF)"75L00? ⁴ L:MA33(AN03
(AB:D./I74Y YA:(AQO80B W:/YI&:RF)"73L B.:XIYR/I92Y? WF/)EQ:RF70) L:/KF03
B.I/\$:M/E80KF):AKAN./:KF73 W:/LO71) Y:DA:(T./F75NIY00? ⁵):ANI70Y Y:HWFH03
W:/)"74YN (O80WD ZW.LFT/I73Y)"74YN):ELOHI92YM?):A)AZ.ER:/KF73 W:/LO71)
Y:DA:(T./F75NIY00? ⁶ L:MA74(AN Y"D:(81W. MI/M.IZ:RAX-\$E33ME\$03

W./MI/M.A74(:ARFBF80H K.IY-)E73PES B.IL:(FD/F92Y?):ANI71Y Y:HWF73H W:/)"71YN
(O75WD00? ⁷ YOWC"71R)OWR03 W./BOWR"74) XO80\$EK: (O&E71H \$FLO73WM
W./BO74WR") RF92():ANI71Y Y:HWF73H (O&E71H KFL-)"75L.EH00 ⁸ HAR:(I70YPW.
\$FMA33YIM03 MI/M.A80(AL W./\$:XFQI73YM YIZ.:LW.-CE92DEQ? T.IP:T.AX-)E74REC
W:/YIP:RW.-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 \$:JFL80W./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\$175Y(A00? ¹⁶ B.O71W\$W. W:/GA75M-NIK:L:M73W. K.UL./F92M YAX:D.FW03
HFL:K74W. BA/K.:LIM.F80H XFRF\$"73Y CIYRI75YM00? ¹⁷ YI&:RF)"L03 NOW\$A74(
B.A/YHWF80H T.:\$W.(A73T (OWLFMI92YM? LO)-T"BO71\$W. W:/LO)-TIK.FL:M73W.
(AD-(O71WL:M"Y (A75D00 ¹⁸ K.I74Y KO74H)F75MAR-14Y:HWFH B.OWR"63)
HA/\$.FMA61YIM H74W.) HF/):ELOHI81YM? YOC"63R HF/)F70REC W:/)O&/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\$175Y(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:\$70W.
KF75R:(W.03 YAX:D.F80W LO71) YFK:L73W. MAL."74+ MA&F92)? W:/NFR: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-&"YBF73H]2):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:/TA\$:W92W. W:/TAM:\$IL73W./NIY W:/NID:ME75H00? ⁶ HA/Z.FLI70YM ZHFHB03
MI/K.I80YS W:/KE73SEP B.A/Q.FNE74H YI\$:QO92LW.? YI&:K.:R70W. COWR"P03
W:/YA(:A&/"74HW.)"80L YIS:G.:D73W.)AP-YI75\$:T.AX:AW.75W.00?]1 ⁷ 14YI&F)U/HW.
(AL-K.FT"63P YIS:B.:LU61/HW. W:/YAN.IYXU70/HW. TAX:T.FY/W03
W:/YA75(:AMO80D? MI/M.:QOWM/O73W LO74) YFMI92Y\$?)AP-YIC:(A70Q)"LFY/W03
W:/LO74) YA(:ANE80H MI/C.FRFT/O73W LO71) YOW\$1Y/(E75N.W.00 ⁸ ZIK:RW.-ZO73)T

W:/HIT:)O\$F92\$W. HF\$I71YBW. POW\$:(I73YM (AL-L"75B00? 9 ZIK:R71W. RI)\$ONO73WT
M"/(OWLF92M? K.I74Y)FNOKI71Y)"L03 W:/)"74YN (O80WD):ELOHI73YM W:/)E71PES
K.FMO75W/NIY00? 10 MAG.I70YD M"75/R")\$IYT03)AX:ARI80YT W./MI/Q.E73DEM
):A\$E74R LO)-NA(:A&92W.?)OM"R03 (:ACFT/I74Y TFQ80W.M W:/KFL-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)NFH04 L:/F63K:
\$:T."Y-)"71L.EH RE91GA(B.:YO71WM)EXF73D? \$:KO74WL W:/)AL:MO92N
K.:TUM./FM03 B.F74)W. (FLA80Y/IK: B.:RO74B K.:\$FPA80Y/IK: B.:/FC:MA71T
X:ABFRA73Y/IK: M):O75D00? 10 WA/T.IB:+.XI74Y B:/RF(FT/"81K:)FMAR:T.:03)"74YN
RO)/F80NIY? XFK:MFT/"71K: W:/DA:(T."73K: HI74Y) \$OWB:BF92T/EK:?
WA/T.O)M:RI74Y B:/LIB./"80K:):ANI73Y W:/)AP:S/I71Y (O75WD00? 11 W:/BF94)
(FLA74Y/IK: RF(F81H LO70) T"D:(IY03 \$AX:R/F80H.? W:/TIP.O70L (FLA33Y/IK:03
HOWF80H LO71) TW.K:LI73Y K.AP.:R/F92H.? W:/TFBO63) (FLA94Y/IK: P.IT:)O91M
\$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:(ARO75WCIY00? 13 NIL:)"73YT B.:RO74B
(:ACFTF92Y/IK: YA(AM:DW.-NF63)? W:/YOW\$Y(U61/K: **HOB:R"74Y \$FMA81YIM
HA75/XOZIYM03 B.A/K.O74WKFB180YM? MO75WDIY(IM03 LE/X:FDF\$180YM
M"):A\$E71R YFBO73)W. (FLF75Y/IK:00? 14 HIN."63H HFY70W. K:/QA\$03)"74\$
&:RFPF80T/AM? LO75)-YAC.I71YLV.)ET-NAP:\$/F73M MI/Y.A74D LE75HFBF92H?
)"YN-G.AXE74LET LA/X:MF80M)73W.R LF/\$E71BET NEG:D/O75W00? 15 K."71N
HFYW.-L/F73K:):A\$E74R YFGF92(AT.: SOX:ARA74Y/IK: MI/N:.(W.RA81Y/IK:?) I70Y\$
L:/(EB:R/OW03 T.F(80W.)"73YN MOW\$YI/"75K:00 48 1 \$IM:(W.-ZO74)T
B."75YT-YA(:AQO81B? HA/N.IQ:RF)IYM03 B.:/"74M YI&:RF)"80L W./MI/M."71Y
Y:HW.DF73H YFCF92)W.? HA75/N.IS:B.F(I74YM05 B.:/"74M Y: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"H03 K.UL./F80H. W:/)AT.E73M H:A/LO74W) TAG.I92YDW.? HIS:MA:(T.I70Y/KF
X:ADF\$OWT03 M"/(A80T.FH W./N:CURO73WT W:/LO71) Y:DA:(T./F75M00? 7 (AT.F70H
NIB:R:)W.03 W:/LO74) M"/)F80Z W:/LI/P:N"Y-YO73WM W:/LO74) \$:MA:(T./F92M?
P.EN-T.O)MA73R HIN."71H Y:DA:(T.I75Y/N00? 8 G.A74M LO75)-\$FMA81:(T.F 10G.AM
LO74) YFDA80:(T.F G.A85M M"/)F73Z LO)-PIT.:XF74H)FZ:N/E92KF? K.I70Y

YFDA33(:T.IY03 B.FGO74WD T.IB:G.O80WD W./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)-JET."75N00 ¹² \$:MA70()"L/AY03 YA75(:AQO80B W:/YI&:RF)"73L M:QORF)/I92Y?
):ANIY-HW.)03):ANI74Y RI)\$O80WN)A73P):ANI71Y)AX:ARO75WN00? ¹³)AP-YFD/IY03
YF74S:DFH)E80REC WI75/YMIYN/I73Y +IP.:XF74H \$FMF92YIM? QOR"71)):ANI91Y
):AL"Y/HE73M YA(AM:D71W. YAX:D.F75W00? ¹⁴ HIQ.FB:C70W. KUL./:KEM03
W.95/\$:AMF80(W. MI71Y B/FHE73M HIG.I74YD)ET-)"92L.EH? Y:HWF74H):AH"B/O80W
YA:(A&E70H XEP:C/OW03 B.:/BFBE80L W./Z:RO(O73W K.A&:D.I75YM00? ¹⁵):ANI71Y
):ANI91Y D.IB.A73R:T.IY)AP-Q:RF)TI92Y/W H:ABIY)OTI73Y/W W:/HIC:LI71YXA
D.AR:K./O75W00? ¹⁶ QIR:B94W.)"L/A74Y \$IM:(W.-ZO81)T? LO70) M"/RO)\$03
B.A/S."74TER D.IB.A80R:T.IY M"/("71T H:EYOWT/F73H. \$F74M)F92NIY? W:/AT.F81H
):ADONF94Y Y:HWI91H \$:LFX/A73NIY W:/RW.X/O75W00 ¹⁷ K.O75H)-FMA94R
Y:HWF91H G.O)AL:/KF73 Q:DO74W\$ YI&:RF)"92L?):ANI63Y Y:HWF70H
):ELOHE33Y/KF03 M:LAM.ED:/KF74 L:/HOW(I80YL? MAD:RI75YK:/AKF73 B.:/DE71REK:
T."L"75K:00 ¹⁸ L71W.) HIQ:\$A73B:T.F L:/MIC:WOT/F92Y? WA/Y:HI70Y KA/N.FHFR03
\$:LOWM/E80KF W:/CID:QFT:/KF73 K.:/GAL."71Y HA/Y.F75M00? ¹⁹ WA/Y:HI70Y
KA/XOWL03 ZAR:(/E80KF W:/CE):ECF)"71Y M"(E73Y/KF K.I/M:(OTF92Y/W?
LO75)-YIK.FR"94T W:/75/LO)-YI\$.FM"91D \$:M/O73W MI/L.:/PFNF75Y00? ²⁰ C:)74W.
MI/B.FBEL02 B.IR:X74W. MI/K.A&:D.IYM01? B.:/QO74WL RIN.F81H HAG.I70YDW.
HA\$:MI33Y(W.03 ZO80)T? HOWCIY)73W./HF (AD-Q:C"74H HF)/F92REC?)IM:R85W.
G.F)A71L Y:HWF73H (AB:D./O71W YA:(AQO75B00? ²¹ W:/LO74) CFM:)81W.
B.F/X:FRFBOWT03 HO75WLIYK/F80M? MA71YIM MI/C.73W.R HIZ.I74YL L/F92MOW?
WA/Y.I63B:QA(-C80W.R WA/Y.FZU73BW. MF75YIM00? ²²)"74YN \$FLO80WM)FMA71R
Y:HWF73H LF/R:\$F(I75YM00 **49** ¹ \$IM:(70W.)IY.IYM03)"L/A80Y W:/HAQ:\$I71YBW.
L:)UM.I73YM M"/RFXO92WQ? Y:HWFH03 MI/B.E74+EN Q:RF)/F80NIY MI/M.:("71Y
)IM./I73Y HIZ:K.I71YR \$:M/I75Y00? ² WA/Y.F70&EM P./IY03 K.:/XE74REB XAD.F80H
B.:/C"71L YFD/O73W HEX:B.IY)/F92NIY? WA/Y:&IYM/"33NIY03 L:/X"74C B.FR80W.R
B.:)A\$:P.FT/O73W HIS:T.IYR/F75NIY00? ³ WA/Y.O71)MER LI73Y (AB:D./IY)-F92T.FH
YI&:RF)"85L):A\$ER-B.:/KF73)ET:P.F)F75R00? ⁴ WA):ANI70Y)FMA33R:T.IY03
L:/RI74YQ YFGA80(:T.IY L:/TO71HW. W:/HE73BEL K.OX/I74Y KIL."92YTIY?)FK"N03
MIS:P.F+/I74Y)ET-Y:HWF80H W./P:(UL.FT/I73Y)ET-):ELOH/F75Y00? ⁵ W:/AT.F74H05
)FMA74R Y:HWF81H YOC:R/I70Y MI/B.E33+EN03 L:/E74BED L/O80W? L:/SOWB"70B
YA75(:AQOB03)"LF80Y/W W:/YI&:RF)"73L **L/O74W Y)"FS"92P? W:/)EK.FB"D03
B.:("YN"74Y Y:HWF80H W")/LOH/A73Y HFYF71H (UZ./I75Y00? ⁶ WA/Y.O81)MER
NFQ"63L MI75/H:YOWT:/KF71 L/IY03 (E80BED L:/HFQIYM03)ET-\$IB:+"74Y
YA:(AQO80B? **W./N:CW.R"71Y YI&:RF)"73L L:/HFSI92YB W./N:TAT.I33Y/KF03
L:/O74WR G.OYI80M? LI75/H:YO71WT Y:\$W.(FT/I73Y (AD-Q:C"71H HF)/F75REC00
⁷ K.O74H)F75MAR-Y:HWFH04 G.O)"63L YI&:RF)"61L Q:DOW\$/O81W?
LI/B:ZOH-NE61PE\$ LI/M:TF70("75B G.OYI03 L:/E74BED MO\$:LI80YM? M:LFKIYM03
YIR:)74W. WF/QF80MW. &FRI73YM W:/YI75\$:T.AX:AW.92W.?j1 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:R74YT (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 &:I)75Y-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:/SO74M: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.:&R/F80M
 W:/KE/(FSI73YS D.FM/F74M YI\$:K.FR92W.N? W:/YFD:(74W. KFL-B.F&F81R K.I74Y
):ANI70Y Y:HWFH03 MO75W\$YI("80K: W:/GO):AL/"73K:):ABI71YR YA(:AQO75B00
50 ¹ K.O74H05)FMA74R Y:HWF81H?)"74Y 14ZEH S"74PER K.:RIYT70W.T)IM./:KEM03
):A\$E74R \$IL.AX:T.I80Y/HF? 10)OW MI74Y MI/N.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) MFR192YTIY)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:\$YI("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
51 ¹ \$IM:(71W.)"L/A91Y RO71D:P"Y CE73DEQ M:BAQ:\$"74Y Y:HWF92H?
 HAB.I33Y+W.03)EL-C74W.R XUC.AB:T.E80M W:/)EL-MAQ.E71BET B.O73WR
 NUQ.AR:T.E75M00? ² HAB.I33Y+W.03)EL-)AB:RFHF74M):ABIY/KE80M
 W:/)EL-&FRF73H T.:XOWLEL/:KE92M? K.IY-)EXF74D Q:RF)TI80Y/W

WA):ABFR:K/"73HW. W:/)AR:B/"75HW.00 ³ K.I75Y-NIXA63M Y:HWF61H CIY.O81WN
NIXAM03 K.FL-XFR:BOTE80Y/HF? WA/Y.F70&EM MID:B.FR/FH.03 K.:("80DEN
W:/)AR:BFT/F73H. K.:GAN-Y:HWF92H? &F&O70WN W:/&IM:XFH03 YIM.F74C")
B/F80H. T.OWDF73H W:/QO71WL ZIM:RF75H00 ⁴ HAQ:\$I70YBW.)"L/AY03 (AM./I80Y
W./L:)W.M./I73Y)"L/A74Y HA):AZI92YNW.? K.I70Y TOWRFH03 M")IT./I74Y T"C"80)
W./MI\$:P.F+/I80Y L:/)O71WR (AM.I73YM?)AR:G.I75Y(A00 ⁵ QFRO70WB CID:Q/IY03
YFCF74) YI\$:(/I80Y W./Z:RO(/A73Y (AM.I74YM YI\$:P.O92+W.?)"L/AY03)IY.I74YM
Y:QAW.80W. W:/)EL-Z:RO(/I73Y Y:YAX"L75W.N00? ⁶ &:W.04 LA/\$.FMA63YIM
("75YN"Y/KE61M W:75/HAB.I94Y+W.)EL-HF/)F74REC MI/T.A81XAT?
K.I75Y-\$FMA61YIM K.E/(F\$F70N NIM:LF33XW.03 W:/HF/)F33REC03 K.A/B.E74GED
T.IB:LE80H W:/YO\$:BE73Y/HF K.:MOW-?K"74N Y:MW.T92W.N? WI/Y\$75W.(FT/IY03
L:/)OWLF74M T.I75H:YE80H W:/CID:QFT/I73Y LO71) T"XF75T00 ⁷ \$IM:(70W.)"L/AY03
YO74D:("Y CE80DEQ (A73M T.OWRFT/I74Y B:/LIB./F92M?)AL-T.I75YR:)W.03
XER:P.A74T):ENO80W\$ W./MI/G.ID.UPOT/F73M)AL-T."XF75T.W.00? ⁸ K.I70Y
KA/B.E33GED03 YO)K:L/"74M (F80\$ W:/KA/C.E73MER YO)K:L/"74M SF92S?
W:/CID:QFT/IY03 L:/)OWLF74M T.I75H:YE80H WI/Y\$W.(FT/I73Y L:/DO71WR
D.OWRI75YM00 ⁹ (W.RI63Y (W.RI70Y LIB:\$IY-(OZ03 Z:RO74W(A Y:HWF80H? ¹⁰ (W.RIY
K.I74/YM"Y QE80DEM D.ORO73WT (OWLFMI92YM? H:A/LO71W))AT.:HI91Y)
HA/M.AX:CE71BET RA73HAB M:XOWLE71LET T.AN.I75YN00? ¹⁰ H:A/LO70W)
)AT.:HIY)03 HA/M.AX:ARE74BET YF80M M"73Y T.:HO74WM RAB.F92H?
HA/&.F33MFH03 MA75:(AMAQ."Y-YF80M D.E73REK: LA/(:ABO71R G.):W.LI75YM00?
¹¹ W/P:DW.Y"63Y Y:HWF61H Y:\$W.B81W.N W:/BF70)W. CIY.OWN03 B.:RIN.F80H?
W:/&IM:XA71T (OWLF73M (AL-RO)\$F92M &F&O70WN W:/&IM:XFH03 YA&.IYG80W.N
NF73SW. YFGO71WN? WA):ANFXF75H00 ¹²)FNOKI94Y)FNOKI91Y H73W.)
M:NAXEM:/KE92M? MI75Y-)A70T.: WA/T.I75YR:)IY03 M")ENO74W\$ YFM80W.T
W./MI/B.EN-)FDF73M XFCI71YR YIN.FT"75N00? ¹³ WA/T.I\$:K.A62X Y:HWF74H
(O&/E81KF NOW+E74H \$FMAYIM02? W:/YOS"74D)FREC01 WA/T.:PAX"63D
T.FMI61YD]3 K.FL-HA/Y.O81WM? MI/P.:N"Y03 X:AMA74T HA/M."CI80YQ K.A):A\$E71R
K.OWN"73N L:/HA\$:XI92YT W:/)AY."73H X:AMA71T HA/M."CI75YQ00? ¹⁴ MIHA71R
CO(E73H L:/HIP.FT"92XA W:/LO)-YFM74W.T LA/\$.A80XAT W:/LO71) YEX:SA73R
LAX:M/O75W00? ¹⁵ W:/)F75NOKIY03 Y:HWF74H):ELOHE80Y/KF ROGA74(HA/Y.F80M
WA/Y.EH:EM73W. G.AL.F92Y/W? Y:HWF71H C:BF)O73WT \$:M/O75W00?
¹⁶ WF/)F&I70YM D.:BFR/AY03 B.:PI80Y/KF W:/B:/C"71L YFD/I73Y K.IS.IYTI92Y/KF?
LI/N:+O70(A \$FMA33YIM03 W:/LI/YSO74D)F80REC W:/L")MO71R L:/CIY.O73WN
(AM./IY-)F75T.FH00 ¹⁷ HIT:(OWR:RI74Y HI75T:(OWR:RI81Y 10QW.MIY
Y:R74W.\$FLA80IM?):A\$E71R \$FTI91YT MI/Y.A71D Y:HWF73H)ET-K.O74WS
X:AMFT/O92W?)ET-QUB.A61(AT K.O94WS HA/T.AR:("LF91H \$FTI73YT MFCI75YT00?
¹⁸)"YN-M:NAH"74L L/F80H. MI/K.FL-B.FNI73YM YFLF92DFH? W:/)"70YN
MAX:AZIYQ03 B.:YFD/F80H. MI/K.FL-B.FNI73YM G.ID."75LFH00? ¹⁹ \$:T.A70YIM
H"33N.FH03 QO75R:)OTA80Y/IK: MI73Y YFN74W.D L/F92K:? HA/\$.O94D
W:/HA/\$.E91BER W:/HF/RF(F71B W:/HA/XE73REB MI71Y):ANAX:AM/"75K:00?
²⁰ B.FNA61Y/IK: (UL.:P71W. \$FK:B91W. B.:RO71)\$ K.FL-XW.CO73WT K.:TO74W)
MIK:MF92R? HA75/M:L")I71YM X:AMAT-Y:HWF73H G.A:(ARA71T):ELOHF75Y/IK:00?
²¹ LF/K"91N \$IM:(IY-NF71) ZO73)T (:ANIY.F92H W./\$:KURA73T W:/LO71) MI/Y.F75YIN00
²² (K.O75H-)FMA62R):ADONA74Y/IK: Y:HWF81H W")LOHA33Y/IK:03 YFRI74YB
AM./O80W? HIN."71H LFQA91X:T.IY MI/Y.FD/"73K:)ET-K.O74WS HA/T.AR:("LF92H?
)ET-QUB.A33(AT03 K.O74WS X:AMFT/I80Y LO)-TOWSI71YPIY LI/\$:T.OWT/F73H.
(O75WD00? ²³ W:/&AM:T.I33Y/HF03 B.:YAD-MOWGA80Y/IK:?)A\$ER-)FM:R71W.
L:/NAP:\$/"73K: \$:XI74Y W:/NA:(ABO92RFH? WA/T.F&I70YMIY KF/)F33REC03
G."W/"80K: W:/KA/X73W.C LA/(OB:RI75YM00 **52** ¹ (W.RI71Y (W.RI91Y LIB:\$I71Y
(UZ./"73K: CIY.O92WN? LIB:\$I74Y05 B.IG:D"74Y TIP:)AR:T/"81K: Y:RW.\$FLA33IM03
(I74YR HA/Q.O80DES? K.I74Y LO71) YOWSI91YP YFBO)-B/F71K: (O73WD (FR"71L
W:/+FM"75)00? ² HIT:NA:(ARI94Y M"/(FPF91R Q71W.MIY \$:BI73Y Y:R75W.\$FLF92IM?
**HI75T:P.AT.:XIY03 MOWS:R"74Y CAW.F)R/"80K: \$:BIY.F73H B.AT-CIY.O75WN00
³ K.I75Y-KOH03)FMA74R Y:HWF80H XIN.F73M NIM:K.AR:T.E92M W:/LO71)
B:/KE73SEP T.IG.F)"75LW.00? ⁴ K.I74Y KO70H)FMAR03):ADONF74Y Y:HWI80H
MIC:RA91YIM YF75RAD-(AM./I71Y BF/RI75)\$ONF73H LF/G74W.R? \$F92M W:/)A\$.73W.R

B.:E71PES (:A\$FQ/O75W00⁵ W:/(AT.F70H **MAH-L./IY-POH03 N:)UM-Y:HWF80H?
K.I75Y-LUQ.A71X (AM./I73Y XIN.F92M **MO\$:LF70Y/W Y:H"YLI33YLW.03
N:)UM-Y:HWF80H W:/TFMI71YD K.FL-?HA/Y.O73WM \$:M/I71Y MIN.O)F75C00
⁶ LF/K"91N Y"DA71((AM./I73Y \$:M/I92Y LF/K"N03 B.A/Y.O74WM HA/H80W.)?
K.I75Y-):ANIY-H71W.) HA75/M:DAB."73R HIN./"75NIY00? ⁷ MAH-N.F)W63W.
(AL-HE/HFRI61YM RAG:L"74Y M:BA&."81R? MA\$:MI94Y(A \$FLO91WM M:BA&."71R
+O73WB MA\$:MI74Y(A Y:\$W.(F92H?)OM"71R L:/CIY.O73WN MFLA71K:
):ELOHF75Y/IK:00? ⁸ QO71WL COPA91Y/IK: NF71&:JW. QO73WL YAX:D.F74W
Y:RAN."92NW.? K.I74Y (A70YIN B.:/(A33YIN03 YIR:)80W. B.:\$71W.B Y:HWF73H
CIY.O75WN00? ⁹ P.IC:X70W. RAN.:NW.03 YAX:D.F80W XFR:BO73WT Y:RW.\$FLF92IM?
K.I75Y-NIXA70M Y:HWFH03 (AM./O80W G.F)A73L Y:RW.\$FLF75IM00? ¹⁰ XF&A70P
Y:HWFH03)ET-Z:RO74W(A QFD:\$O80W L:/("YN"73Y K.FL-HA/G.OWYI92M?
W:/RF)W.03 K.FL-)AP:S"Y-)F80REC)"73T Y:\$W.(A71T):ELOH"75Y/NW.00 ¹¹ S70W.RW.
S33W.RW.03 C:)74W. MI/\$.F80M +FM"73))AL-T.IG.F92(W.? C:)74W. MI/T.OWK/F80H.
HIB.F85RW. NO&)"73Y K.:L"71Y Y:HWF75H00? ¹² K.I74Y LO70) B:/XIP.FZOWN03
T."C"80)W. W./BI/M:NW.SF73H LO74) T"L"K92W.N? K.I75Y-HOL"70K: LI/P:N"Y/KEM03
Y:HWF80H W./M:)AS.IP:/KE73M):ELOH"71Y YI&:RF)"75L00 ¹³ HIN."71H YA&:K.I73YL
(AB:D./I92Y YFR94W.M W:/NI&.F91) W:/GFBA73H. M:)O75D00? ¹⁴ K.A):A\$E63R
\$FM:M70W. (FLE33Y/KF03 RAB.I80YM? K."N-MI\$:XA71T M")/I73Y\$ MAR:)/"92HW.
W:/TO):AR/O73W MI/B.:N"71Y)FDF75M00? ¹⁵ K."70N YAZ.EH03 G.OWYI74M RAB.I80YM
(FLF91Y/W YIQ:P.:C71W. M:LFKI73YM P.IY/HE92M? 14K.IY):A\$E63R LO75)-SUP.A70R
L/FHEM03 RF)80W. WA):A\$E71R LO75)-\$FM:(73W. HIT:B.OWNF75NW.00? **53** ¹ MI71Y
HE):EMI73YN LI:\$:MU(FT/"92NW. W./Z:RO71W(A Y:HWF73H (AL-MI71Y
NIG:LF75TFH00? ² WA/Y.A63(AL K.A/Y.OWN"61Q L:/PFNF81Y/W W:/KA/\$.O33RE\$03
M")/E74REC CIY.F80H? LO)-TO71)AR L/O73W W:/LO74) HFDF92R W:/NIR:)/"71HW.
W:/LO75)-MAR:)E73H W:/NEX:M:D/"75HW.00? ³ NIB:ZEH03 WA/X:ADA74L)IY\$I80YM
)I71Y\$ MAK:)OBO73WT WI/YD74W.(A XO92LIY? W:/K:/MAS:T."70R P.FNIYM03
MI/M./E80N.W. NIB:ZE73H W:/LO71) X:A\$AB:NU75/HW.00? ⁴)FK"70N X:FLFY/"33NW.03
H74W.) NF&F80) W:/MAK:)OB"73Y/NW. S:BFL/F92M? WA):ANA74X:NW.
X:A\$AB:NU80/HW. NFG91W.(A MUK."71H):ELOHI73YM W./M:(UN.E75H00? ⁵ W:/HW.)03
M:XOLF74L MI/P.:\$F("/80NW. M:DUK.F73) M"/(:AWONOT"92Y/NW.? MW.SA70R
\$:LOWM/"33NW.03 (FLF80Y/W W:/BA/X:ABURFT/O73W NIR:P.F)-L/F75NW.00?
⁶ K.UL/F33NW.03 K.A/C.O74)N T.F(I80YNW.)I71Y\$ L:/DAR:K./O73W P.FNI92YNW.?
WA75/YHWFH03 HIP:G.I74Y(A B./O80W)"73T (:AWO71N K.UL./F75NW.00? ⁷ NIG.A63&
W:/H74W.) NA(:ANEH02 W:/LO74) YIP:T.AX-P.IY/W01? K.A/&.EH03 LA/+E74BAX
YW.BF80L W:/K:/RFX"85L LI/P:N"71Y GOZ:ZE73Y/HF NE):ELF92MFH? W:/LO71)
YIP:T.A73X P.I75Y/W00? ⁸ M"/(O70CER W:/MI/M.I\$:P.F+03 LUQ.F80X
W:/)ET-D.OWR/O73W MI74Y Y:&OWX"92XA? K.I70Y NIG:ZAR03 M")/E74REC
XAY.I80YM MI/P.E71\$A((AM./I73Y NE71GA(L/F75MOW00? ⁹ WA/Y.IT."70N
)ET-R:\$F(IYM03 QIB:R/O80W W:/)ET-(F\$I73YR B.:/MOTF92Y/W? ¹⁰ (AL LO)-XFMF74S
(F&F80H W:/LO71) MIR:MF73H B.:/PI75Y/W00? ¹⁰ WA/YHWF62H XFP"70C D.AK:)/OW03
HE75X:ELI80Y)IM-T.F&I70YM)F\$FM03 NAP:\$O80W? YIR:)E71H ZE73RA(
YA):ARI74YK: YFMI92YM W:/X"71PEC Y:HWF73H B.:/YFD/O71W YIC:LF75X00?
¹¹ M"/(:AMA70L NAP:\$OW03 YIR:)E74H YI&:B.F80(B.:/DA:(T./O81W? YAC:D.I71YQ
CAD.I91YQ (AB:D./I73Y LF75/RAB.I92YM WA/(:AWONOT/F73M H71W.) YIS:B.O75L00?
¹² LF/K"62N):AXAL.EQ-L/O74W BF/RAB.I81YM W:/)ET-(ACW.MIYM02 Y:XAL."74Q
\$FLFL01? T.A81XAT):A\$E63R HE(:ERF70H LA/M.F33WET03 NAP:\$O80W
W:/)ET-P.O\$:(I73YM NIM:NF92H? W:/HW.)03 X"+:)-RAB.I74YM NF&F80)
W:/LA/P.O\$:(I73YM YAP:G.I75Y(A00 **54** ¹ RFN.I71Y (:AQFRF73H LO74) YFLF92DFH
P.IC:XI63Y RIN.F70H W:/CAH:ALIY03 LO)-XF80LFH? K.I75Y-RAB.I94YM
B.:75N"Y-\$OWM"MF91H MI/B.:N"71Y B:(W.LF73H)FMA71R Y:HWF75H00?
² HAR:XI74YBIY05 M:QO74WM)FH:FL/"81K: WI/YRIY(O94WT MI\$K.:NOWTA91Y/IK:
YA+.73W.)AL-?T.AX:&O92KIY? HA):ARI33YKIY03 M"75YTFRA80Y/IK:
WI/YT"DOTA73Y/IK: XAZ."75QIY00 ³ K.IY-YFMI71YN W:/&:MO73)WL? T.IP:RO92CIY?
W:/ZAR:(/"K:03 G.OWYI74M YIYRF80\$ W:/(FRI71YM N:\$AM.O73WT YOW\$F75YBW.00?
⁴)AL-T.I75YR:)IY03 K.IY-LO74) T"BO80W\$II W:/)AL-T.IK.FL:MI73Y K.I74Y LO74)
TAX:P.I92YRIY? K.I74Y BO70\$ET (:ALW.MA33Y/IK:03 T.I\$K.F80XIY W:/XER:P.A71T

)AL:M:NW.TA73Y/IK: LO71) TIZ:K.:RIY-?(O75WD00? ⁵ K.I70Y BO(:ALA33Y/IK:03
 (O&A80Y/IK: Y:HWF71H C:BF)O73WT \$:M/O92W? W:/GO75):AL/"K:03 Q:DO74W\$
 YI&:RF)"80L)E:LOH"71Y KFL-HF/F73REC YIQ.FR"75)00? ⁶ K.I75Y-K:)/I\$.F94H
 (:AZW.BF91H WA(:AC71W.BAT R73W.XA Q:RF)/F74K: Y:HWF92H? W:/)"94SET
 N:(W.RI91YM K.I71Y TIM.F)"73S)FMA71R)E:LOHF75Y/IK:00? ⁷ B.:RE71GA(QF+O73N
 (:AZAB:T.I92Y/K: W./B:/RAX:AMI71YM G.:DOLI73YM):AQAB.:C/"75K:00? ⁸ B.:/\$E74CEP
 QE81CEP HIS:T.A63R:T.IY PFN/A71Y RE33GA(03 MI/M./"80K:~? W./B:/XE71SED
 (OWLF73M RI75XAM:T.I92Y/K:)FMA71R G.O):AL/"73K: Y:HWF75H00 ⁹ K.IY-M"71Y
 NO33XA03 ZO74)T L/I80Y?):A\$E74R NI\$:B.A81(:T.IY M"/(:ABO71R M"Y-NO91XA
 (O73WD (AL-HF)/F92REC? K."71N NI\$:B.A91(:T.IY MI/Q.:CO71P (FLA73Y/IK:
 W./MI/G.: (FR-B./F75K:00? ¹⁰ K.I70Y HE75/HFRIYM03 YFM80W.\$W. W:/HA/G.:BF(O73WT
 T.:MW.+E92NFH? W:/XAS:D./I62Y M"/)IT./"74K: LO75)-YFM81W.\$ W./B:/RI70YT
 \$:LOWM/IY03 LO74) TFM80W.+?)FMA71R M:RAX:AM/"73K: Y:HWF75H00
¹¹ (:ANIY.F71H SO(:ARF73H LO74) NUXF92MFH? HIN."63H)FNOKI61Y MAR:B.I70YC
 B.A/P.W.K:03)ABFNA80Y/IK: WI/YSAD:T.I73Y/K: B.A/S.AP.IYRI75YM00?
¹² W:/&AM:T.I70Y K.A75D:KOD03 \$IM:\$OTA80Y/IK: W./\$:(FRA73Y/IK: L:/)AB:N"74Y
)EQ:D.F92X? W:/KFL-G.:BW.L/"73K: L:/)AB:N"Y-X"75PEC00 ¹³ W:/KFL-B.FNA73Y/IK:
 LIM.W.D"74Y Y:HWF92H? W:/RA73B \$:LO71WM B.FNF75Y/IK:00 ¹⁴ B.I/C:DFQF73H
 T.IK.OWNF92NIY? RAX:AQI70Y M"/(O33\$EQ03 K.I75Y-LO74) TIYRF80)IY
 W./MI63/M.:XIT.F80H K.I71Y LO75)-TIQ:RA73B)"LF75Y/IK:00? ¹⁵ H"74N G.O71WR
 YFG91W.R)E73PES M"75/)OWT/I92Y MIY-GF71R)IT./F73K: (FLA71Y/IK: YIP.O75WL00?
¹⁶ **HIN."70H)F75NOKIY03 B.FRF74)TIY XFRF80\$ NOP"33XA03 B.:)/"74\$ P.EXF80M?
 W./MOWCI71Y) K:LI73Y L:/MA(:A&/"92HW. W:/)FNOKI91Y B.FRF71)TIY MA\$:XI73YT
 L:/XAB."75L00? ¹⁷ K.FL-K.:LI62Y YW.CA70R (FLA33Y/IK:03 LO74) YIC:LF80X?
 W:/KFL-LF\$O91WN T.F75QW.M-)IT./F71K:]1 LA/M.I\$:P.F73+ T.AR:\$I92Y(IY? ZO83)T
 NAX:ALAT04 (AB:D"63Y Y:HWF94H W:/CID:QFT/F91M M"/)IT./I73Y
 N:)UM-Y:HWF75H00 **55** ¹ HO70WY K.FL-CFM")03 L:K74W. LA/M.A80YIM WA):A\$E71R
)"75YN-L/O73W K.F92SEP L:K70W.? \$IB:RW.03 WE75):EKO80LW. W./L:K74W.
 \$IB:R81W. B.:/LOW)-KE91SEP W./B:/LO71W) M:XI73YR YA71YIN? W:/XFLF75B00?
² LF70/M.FH TI\$:Q:LW.-KE33SEP03 B.:75/LOW)-LE80XEM WI/YGIY(/:AKE73M
 B.:/LO74W) L:/&FB:(F92H? \$IM:(63W. \$FMO70W(A)"L/AY03 W:/)IK:LW.-+O80WB
 W:/TIT:(AN.A71G B.A/D.E73\$EN NAP:\$:/KE75M00? ³ HA+.70W.)FZ:N:KEM03
 W./L:K74W.)"L/A80Y \$IM:(73W. W./T:XI74Y NAP:\$:/KE92M? W:/)EK:R:TF70H L/FKEM03
 B.:RI74YT (OWLF80M XA75S:D"71Y DFWI73D HA/N.E):EMFNI75YM00? ⁴ H"91N ("71D
 L:)W.M.I73YM N:TAT.I92Y/W NFGI71YD W./M.CAW."73H L:)UM.I75YM00? ⁵ H"74N
 G.O70WY LO75)-T"DA(03 T.IQ:RF80) W:/GO71WY LO75)-Y:DF(73W./KF)"LE74Y/KF
 YFR92W.CW.? L:MA33(AN03 Y:HWF74H):ELOHE80Y/KF W:/LI/Q:DO71W\$ YI&:RF)"73L
 K.I71Y P"):AR/F75K:00 ⁶ D.IR:\$71W. Y:HWF73H B.:/HIM.FC:)/O92W Q:RF)U73/HW.
 B.I75/H:YOWT/O71W QFRO75WB00? ⁷ YA(:AZO70B RF\$F(03 D.AR:K./O80W W:/)I71Y\$
)F73WEN MAX:\$:BOTF92Y/W? W:/YF\$O70B)EL-Y:HWFH03 WI75/YRAX:AM/"80HW.
 W:/)EL-):ELOH"73Y/NW. K.I75Y-YAR:B.E71H LI/S:LO75WXA00? ⁸ K.I74Y LO70)
 MAX:\$:BOWT/AY03 MAX:\$:BO74WT"Y/KE80M W:/LO71) DAR:K"Y/KE73M D.:RFK/F92Y
 N:)U73M Y:HWF75H00? ⁹ K.I75Y-GFB:H71W. \$FMA73YIM M"/)F92REC K."74N
 G.FB:H70W. D:RFK/AY03 MI/D.AR:K"Y/KE80M W./MAX:\$:BOT/A73Y?
 MI/M.AX:\$:BOT"Y/KE75M00? ¹⁰ K.I83Y K.A):A\$E74R Y"R"D04 HA/G.E63\$EM
 W:/HA/\$.E61LEG MIN-HA/\$.FMA81YIM? W:/\$F33M./FH03 LO74) YF\$80W.B 10K.IY
)IM-HIR:WF74H)ET-HF)/F80REC? W:/HOWLIYD/F73H. W:/HIC:MIYX/F92H.
 W:/NF70TAN ZE33RA(03 LA/Z.OR"80(A W:/LE73XEM LF/)OK"75L00? ¹¹ K."74N
 YI75H:YE70H D:BFR/IY03):A\$E74R Y"C"74) MI/P./I80Y LO75)-YF\$71W.B)"L/A73Y
 R"YQ/F92M? K.I70Y)IM-(F&FH03)ET-):A\$E74R XFPA80C:T.IY W:/HIC:LI73YXA
):A\$E71R \$.LAX:T.I75Y/W00? ¹² K.I75Y-B:/&IM:XF74H T"C"80)W. W./B:/\$FLO73WM
 T.75W.BFL92W.N? HE/HFRI74YM W:/HA/G.:BF(O81WT YIP:C:X70W. LI/P:N"Y/KEM03
 RIN.F80H W:/KFL-(AC"71Y HA/&.FDE73H? YIM:X:A)W.-KF75P00? ¹³ T.A70XAT
 HA75/N.A(:ACW.C03 YA(:ALE74H B:RO80W\$ **W:/TA71XAT HA/S.IR:P.A73D
 YA(:ALE74H H:ADA92S? W:/HFYF70H LA75/YHWFH03 L:/"\$80M L:/)O71WT (OWLF73M
 LO71) YIK.FR"75T00 **56** ¹ 10K.OH)FMA74R Y:HWF80H \$IM:R71W. MI\$:P.F73+
 WA(:A&74W. C:DFQF92H? K.I75Y-Q:ROWBF70H Y:\$75W.(FT/IY03 LF/BO80W)

W:/CID:QFT/I73Y L:/HIG.FLO75WT00? 2)A\$:R"70Y):ENOW\$03 YA:(A&EH-Z.O80)T
W./BEN-)FDF73M YAX:AZI74YQ B./F92H.? \$OM"70R \$AB.FT03 M"75/XAL.:L/O80W
W:/SOM"71R YFD/O73W M"/(:A&O71WT K.FL-RF75(00 3 W:/)AL-YO)MA74R
B.EN-HA/N."KF81R HA/N.IL:WF70H)EL-Y:HWFH03 L"/)MO80R? HAB:D."94L
YAB:D.IYL/A91NIY Y:HWF73H M"/(A74L (AM./O92W? W:/)AL-YO)MAR03
HA/S.FRI80YS H"71N):ANI73Y ("71C YFB"75\$00 4 K.IY-KO74H05)FMA74R Y:HWF81H?
LA/S.F75RIYSIYM03):A\$E70R YIS:M:RW.03)ET-\$AB.:TOWT/A80Y? W./BF75X:AR73W.
B.A):A\$E74R XFPP92C:T.IY W./MAX:AZIYQI73YM B.I/B:RIYT/I75Y00? 5 W:/NFTAT.I63Y
L/FHE61M B.:B"YT/I70Y W./B:XO75WMOT/AY03 YF74D WF/\$"80M +O73WB
MI/B.FNI74YM W./MI/B.FNO92WT? \$"70M (OWLFM03)ET.EN-L/O80W):A\$E73R LO71)
YIK.FR"75T00 6 W./B:N"74Y HA/N."KF81R HA/N.IL:WI70YM (AL-Y:HWFH03?
L:/SF74R:T/O80W W.95/L:/)AH:ABFH03)ET-\$"74M Y:HWF80H LI/H:YO71WT L/O73W
LA/(:ABFDI92YM? K.FL-\$OM"70R \$AB.FT03 M"75/XAL.:L/O80W W./MAX:AZIYQI73YM
B.I/B:RIYT/I75Y00? 7 WA/H:ABIY)OWTI62YM)EL-HA74R QFD:\$/I81Y
W:/&IM.AX:T.IYM03 B.:B"74YT T.:PIL.FT/I80Y? (OWLOT"Y/HE94M W:/ZIB:X"Y/HE91M
L:/RFCO73WN (A75L-MIZ:B.:X/I92Y? K.I74Y B"YT/I80Y B."YT-T.:PIL.F71H YIQ.FR"73)
L:/KFL-HF/(AM.I75YM00? 8 N:)UM03):ADONF74Y Y:HWI80H M:QAB."73C NID:X"74Y
YI&:RF)"92L? (O91WD):AQAB."71C (FLF73Y/W L:/NIQ:B.FCF75Y/W00? 9 K.O73L
XAY:TO74W &FDF92Y)"TF85YW. LE/):EKO71L K.FL-XAY:TO73W B.A/Y.F75(AR00
10 **COPF62Y/W (IW:RI70YM K.UL./FM03 LO74) YFDF80(W.? K.UL./FM03 K.:LFB174YM
)IL.:MI80YM LO71) YW.K:L73W. LI/N:B.O92XA? HOZIYM03 \$O75K:BI80YM)OH:AB"73Y
LF/N75W.M00? 11 W:/HA/K.:LFB174YM (AZ."Y-NE81PE\$ LO70) YF75D:(W.03 &FB:(F80H?
W:/H"74M.FH RO(180YM LO71) YFD:(73W. HFB192YN? K.UL./FM03 L:/DAR:K.F74M
P.FN80W.)I71Y\$ L:/BIC:(/O73W MI/Q.FC/"75HW.00? 12)"TF71YW.)EQ:XFH-YA73YIN
W:/NIS:B.:)F74H \$"KF92R? W:/HFYF70H KF/ZEHO3 YO74WM MFXF80R G.FDO73WLJ3
YE71TER M:)O75D00? 57 1 HA/C.AD.I74YQ)FBF80D W:/)"71YN)I73Y\$ &F74M
(AL-L"92B? W:/)AN:\$"Y-XE70SED NE75):ESFPIYM03 B.:)"74YN M"BI80YN?
K.I75Y-MI/P.:N"71Y HF/RF(F73H NE):ESA71P HA/C.AD.I75YQ00 2 YFBO74W)
\$FLO80WM? YFN73W.XW. (AL-MI\$K.:BOWT/F92M HOL"73K: N:KOX/O75W00?
3 W:/)AT.E71M QIR:BW.-H"73N./FH B.:N"74Y (ON:NF92H? ZE71RA(M:NF)"73P
WA/T.IZ:NE75H00 4 (AL-MIY03 T.IT:(AN.F80GW.? (AL-MI91Y T.AR:XI71YBW. PE73H
T.A):ARI74YKW. LF\$O92WN? H:A/LO75W)-)AT.E71M YIL:D"Y-PE73\$(ZE71RA(
\$F75QER00? 5 HA/N."75XFM1YM03 B.F75)"LI80YM T.A73XAT K.FL-("74C RA:(ANF92N?
\$OX:A+"70Y HA/Y:LFDIYM03 B.A/N.:XFLI80YM T.A73XAT S:(IP"71Y
HA/S.:LF(I75YM00? 6 B.:XAL.:Q"Y-NA74XAL XEL:Q/"80K: H"71M H"73M
G.OWRFL/"92K:? G.AM-L/FHE62M \$FPA71K:T.: NE33SEK:03 HE(:ELI74YT MIN:XF80H?
HA71/(AL)"73L.EH)EN.FX"75M00? 7 (A70L HAR-G.FBO33H.A03 W:/NI&.F80) &A73M:T.:
MI\$K.FB/"92K:? G.AM-\$F71M (FLI73YT LI/Z:B.O71XA ZF75BAX00? 8 W:/)AXA70R
HA/D.E33LET03 W:/HA/M.:ZW.ZF80H &A73M:T.: ZIK:ROWN/"92K:? K.I74Y M"/)IT./I62Y
G.I.LI74YT WA75/T.A:(ALI81Y HIR:XA70B:T.: MI\$K.FB/"K:03? WA/T.IK:RFT-L/F74K:
M"/HE80M)FHA71B:T.: MI\$K.FB/F73M YF71D XFZI75YT00? 9 WA/T.F\$U70RIY
LA/M.E33LEK:03 B.A/\$.E80MEN WA/T.AR:B.I73Y RIQ.UXF92Y/IK:? WA/T.:\$AL.:XI70Y
CIYRA33Y/IK:03JM (AD-M"74/RFXO80Q WA/T.A\$P.I73YLIY (AD-\$:)O75WL00?
10 B.:RO70B D.AR:K."K:03 YFGA80(AT.: LO71))FMA73R:T.: NOW)F92\$? XAY.A70T
YFD/"K:03MFCF80)T (AL-K."73N LO71) XFLI75YT00? 11 W:/)ET-MI62Y D.F)A70G:T.:
WA/T.I75YR:)IY03 K.I74Y T:KAZ."80BIY? W:/)OWT/IY03 LO74) ZFKA80R:T.:
LO)-&A73M:T.: (AL-LIB./"92K:? H:A/LO63)):ANI70Y MAX:\$EH03 W./M"74/(OLF80M
W:/)OWT/I73Y LO71) TIYRF75)IY00? 12):ANI71Y)AG.I73YD CID:QFT/"92K:
W:/)E75T-MA:(A&A73Y/IK:? W:/LO71) YOW(IYL75W./K:00 13 B.:/ZA75(:AQ/"K:03
YAC.IYLU74/K: QIB.W.CA80Y/IK:? W:/)ET-K.UL./F71M YI&.F)-R73W.XA
YIQ.AX-HF92BEL? W:/HA/XOWSE71H B/IY03 YIN:XAL-)E80REC W:/YIYRA73\$
HAR-QFD:\$/I75Y00 14 W:/)FMA71R? SO75L.W.-SO73L.W. P.AN.W.-DF92REK:
HFRI71YMW. MIK:\$O73WL MI/D.E71REK: (AM./I75Y00 15 K.IY04 KO63H)FMA61R
RF74M W:/NI&.F81) \$OK"71N (AD03 W:/QFDO74W\$ \$:M/O80W? MFRO71WM
W:/QFDO73W\$)E\$K.O92WN W:/)ET-D.AK.F)03 W:/\$:PAL-R80W.XA? L:/HAX:AYOWT03
R74W.XA \$:PFLI80YM W.95/L:/HAX:AYO73WT L"71B NID:(K.F)I75YM00? 16 K.I74Y LO70)
L:/)OWLFM03)FRI80YB W:/LO71) LF/NE73CAX)EQ.:CO92WP? K.IY-R33W.XA03

MI/L.:PFNA74Y YA75(:A+O80WP W./N:\$FMO73WT):ANI71Y (F&I75YTIY00?
¹⁷ B.A/(:AWO71N B.IC:(/O91W QFCA71P:T.IY W:/)AK./"73HW. HAS:T."74R
W:/)EQ:CO92P? WA/Y."71LEK: \$OWBF73B B.:/DE71REK: LIB./O75W00 ¹⁸ D.:RFKF71Y/W
RF)I73YTIY? W:/)ER:P.F)/"92HW. W:/)AN:X"/"85HW. WA/):A\$AL."94M NI75XUMI91YM
L/O73W? W:/LA/):AB"LF75Y/W00 ¹⁹ B.OWR"73) **NI74YB &:PFTF92YIM? \$FLO63WM05
\$FLO61WM LF/RFXO94WQ W:/LA/Q.FRO91WB)FMA71R Y:HWF73H
W./R:PF)TI75Y/W00? ²⁰ W:/HF/R:\$F(I73YM K.A/Y.F74M NIG:RF92\$ K.I70Y HAS:Q"+03
LO74) YW.KF80L? WA/Y.IG:R:\$71W. M"YMF73Y/W RE71PE\$ WF/+I75Y+00? ²¹)"74YN
\$FLO80WM)FMA71R):ELOH/A73Y LF/R:\$F(I75YM00 **58** ¹ Q:RF70) B:/GFROWN03
)AL-T.AX:&O80K: K.A/\$.OWPF73R HFR"74M QOWL/E92KF? W:/HAG."70D L:/)AM./IY03
P.IS:(/F80M W./L:/B"71YT YA(:AQO73B XA+.O)T/F75M00? ² W:/)OWT/I81Y YO71WMJ3
YOWM03 YID:RO\$80W.N W:/DA71(AT D.:RFK/A73Y YEX:P.FC92W.N? K.:/GO62WY
):A\$ER-C:DFQF74H (F&F81H W./MI\$:P.A70+):ELOH FY/W03 LO74) (FZF80B?
YIS:)FL33W./NIY03 MI\$:P.:+"Y-CE80DEQ QIR:BA71T):ELOHI73YM YEX:P.FC75W.N00?
³ LF70/M.FH C.A33M:NW.03 W:/LO74) RF)I80YTF (IN.I71YNW. NAP:\$/"73NW. W:/LO74)
T"DF92(? H"74N B.:/YO70WM CO75M:/KEM03 T.IM:C:)W.-X"80PEC
W:/KFL-(AC.:B"Y/KE73M T.IN:G.O75&W.00? ⁴ H"74N L:/RI70YB W./MAC.FH03
T.FC80W.MW. W./L:/HAK.O73WT B.:/EG:RO74P RE92\$A(? LO)-TFC74W.MW.
KA/Y.O80WM L:/HAS:MI71Y(A B.A/M.FRO73WM QOWL:/KE75M00? ⁵ H:A/KF/ZE81H
YI75H:YEH03 CO74WM)EB:XFR/"80HW. YO91WM (AN.O71WT)FDF73M NAP:\$ /O92W?
H:A/LF/KO63P K.:/AG:MO61N RO)\$ /O81W W:/&A70Q WF/)"33PER03 YAC.I80Y(A?
H:A/LF/ZEH03 T.IQ:RF)-CO80WM W:/YO71WM RFCO73WN LA/YHWF75H00?
⁶ H:A/LO74W) ZEH02 CO74WM)EB:XFR/"HW.01? P.AT."33XA03 XAR:CUB.O74WT
RE80\$A(HAT."73R):AGUD.O74WTJ3 MOW+F92H? W:/\$AL.A70X R:CW.CIYM03
XFP:\$I80YM W:/KFL-MOW+F73H T.:NAT."75QW.00? ⁷ H:A/LO63W) PFR070S
LF75/RF("B03 LAX:M/E80KF WA/(:ANIY.I71YM M:RW.DI73YM T.F74BIY) BF92YIT?
K.I75Y-TIR:)E70H (FROM03 W:/KIS.IYT/O80W W./MI/B.:&FR:/KF73 LO71)
TIT:(AL.F75M00? ⁸)F74Z YIB.FQA70(K.A/\$.A33XAR03)OWR/E80KF
WA/):ARUKFT:/KF73 M:H"RF74H TIC:MF92X? W:/HFLA70K: L:/PFNE33Y/KF03
CID:Q/E80KF K.:BO71WD Y:HWF73H YA)AS:P/E75KF00? ⁹)F70Z T.IQ:RF)03
WA/YHWF74H YA(:ANE80H T.:\$AW.A73(W:/YO)MA74R HIN./"92NIY?)IM-T.FSI70YR
MI/T.O75WK:/KF03 MOW+F80H \$:LA71X)EC:B.A73(W:/DAB.ER-)F75WEN00?
¹⁰ W:/TFP"70Q LF75/RF("B03 NAP:\$ /E80KF W:/NE71PE\$ NA(:ANF73H T.A&:B.I92Y(A?
W:/ZFRA70X B.A/XO33\$EK:03)OWR/E80KF WA/):AP"LF73/KF73
K.A75/C.FH:FRF75YIM00? ¹¹ W:/NFX:/AKF74 Y:HWFH02 T.FMIYD01 W:/HI&:B.I70Y(A
B.:/CAX:CFXOWT03 NAP:\$ /E80KF? W:/)AC:MOTE73Y/KF YAX:ALI92YC
W:/HFIYI33YTF03 K.:/GA74N RFWE80H? W:/K:/MOWCF74) MA80YIM):A\$E71R
LO)-Y:KAZ.:B73W. M"YMF75Y/W00? ¹² W:/BFN70W. MI/M.:/KF03 XFR:BO74WT
(OWLF80M MOWS:D"71Y DOWR-WF/DO73WR T.:QOWM"92M? W:/QORF70) L:/KF03
G.OD"74R P.E80REC M:\$OB"71B N:TIYBO73WT LF/\$F75BET00? ¹³)IM-T.F\$170YB
MI/\$.AB.FT03 RAG:L/E80KF (:A&O71WT X:APFCE73Y/KF B.:/YO74WM QFD:\$ /I92Y?
W:/QFRF63)TF LA/\$.AB.F61T (O81NEG LI/Q:DO70W\$ Y:HWFH03 M:KUB.F80D?
W:/KIB.AD:T./OW03 M"/(:A&O74WT D.:RFKE80Y/KF MI/M.:CO71W) XEP:C:/KF73
W:/DAB."71R D.FBF75R00? ¹⁴)F81Z)F81Z T.IT:(AN.AG03 T.IT:(AN.AG03
(AL-(AL-Y:HWF80H Y:HWF80H W:/HIR:K.AB:T.I73Y/KF W:/HIR:K.AB:T.I73Y/KF
**B.F74M:FT"YJ9 (AL-)F92REC? **B.F74M:FT"YJ9 W:/HA):AKAL:T.I81Y/KF)F92REC?
NAX:ALAT03 W:/HA):AKAL:T.I81Y/KF YA(:AQO74B NAX:ALAT03)FBI80Y/KF
YA(:AQO74B K.I91Y)FBI80Y/KF P.I71Y K.I91Y Y:HWF73H P.I71Y D.IB."75R00
Y:HWF73H D.IB."75R00 **59** ¹ H"91N LO75)-QFC:RF71H YAD-Y:HWF73H
M"75/HOW\$192Y(A W:/LO)-KFB:DF71H)FZ:N/O73W MI/\$.:MO75W(A00? ² K.I70Y
)IM-(AWONO75T"Y/KEM03 HFY74W. MAB:D.II80YM B."YN/"KE85M L:/B"73YN
):ELO75H"Y/KE92M? W:/XA+.O75)WT"Y/KE81M HIS:T.I94YRW. PFNI91YM MI/K.E73M
MI/\$.:MO75W(A00? ³ K.I70Y KAP."Y/KEM03 N:GO):AL74W. BA/D.F80M
W:/)EC:B.:/OWT"Y/KE73M B.E75/(FWO92N? &IP:TO75WT"Y/KEM03 D.IB.:RW.-\$E80QER
L:\$OWN:/KE73M (AW:LF71H TEH:G.E75H00? ⁴)"YN-QOR"74) B:/CE80DEQ W:/)71YN
NIS:P.F73+ B.E/):EMW.NF92H? B.F+O70WXA (AL-T.O33HW.03 W:/DAB.ER-\$F80W:)
HFRO71W (FMF73L W:/HOWL"71YD)F75WEN00? ⁵ B."YC"70Y CIP:(OWNIY03

B.IQ."80(W. W:/QW.R"71Y (AK.FBI73Y\$ YE):ERO92GW.? HF/)OK"70L MI/B."75YC"Y/HEM03 YFM80W.T W:/HA/Z.W.RE73H T.IB.FQA71()EP:(E75H00? 6 Q75W.R"Y/HEM03 LO)-YIH:Y74W. L:/BE80GED W:/LO71) YIT:K.AS.73W. B./MA75(:A&"Y/HE92M? MA75(:A&"Y/HEM03 MA75(:A&"Y)-F80WEN W./PO71(AL XFMF73S B./KAP:"Y/HE75M00? 7 RAG:L"Y/HEM03 LF/RA74(YFRU80CW. WI75/YMAH:AR80W. LI/\$:P.O73K: D.F74M NFQI92Y? MAX:\$:BO75WT"Y/HEM03 MAX:\$:BO74WT)F80WEN \$O71D WF/\$E73BER B.I/M:SIL.OWT/F75M00? 8 D.E70REK: \$FLOWM03 LO74) YFDF80(W. W:/)"71YN MI\$:P.F73+ B./MA(:G.:LOWT/F92M? N:TIYBO75WT"Y/HEM03 (IQ:.\$74W. L/FHE80M 10K.OL D.OR"74K: B./F80H. LO71) YFDA73(\$FLO75WM00? 9 (AL-K."81N RFXA70Q MI\$:P.F+03 MI/M./E80N.W. W:/LO71) TA&.IYG/"73NW. C:DFQF92H? N:QAW.E70H LF/)OWR03 W:/HIN."H-XO80\$EK: LI/N:GOHO73WT B.F/):AP"LO71WT N:HAL."75K:00? 10 N:GA75\$:F70H KA75/(IW:RIYM03 QI80YR W./K:/)"71YN ("YNA73YIM N:GA\$. "92\$FH? K.F\$A70L:NW. BA75/C.FH:FRA33YIM03 K.A/N.E80\$EP B.F/):A\$.MAN.I73YM K.A/M."TI75YM00? 11 NEH:EME70H KA/D.UB.IYM03 K.UL./F80NW. W:/KA/Y.OWNI73YM HFGO74H NEH:G.E92H? N:QAW.E70H LA/M.I\$:P.F+03 WF/):A80YIN LI75/Y\$W.(F73H RFX:AQF71H MI/M./E75N.W.00? 12 K.I75Y-RAB.70W. P:\$F("33Y/NW.03 NEG:D./E80KF W:/XA+.O)WT"73Y/NW. (F74N:TFH B./F92NW.? K.I75Y-P:\$F("74Y/NW.)IT./F80NW. WA/(:AWONOT"73Y/NW. Y:DA75(:AN75W./M00? 13 P.F\$O70(A W:/KAX"\$03 B.A75/YHWF80H W:/NFSO73WG M/):AXA74R):ELOH"92Y/NW.? D.AB.ER-(O74\$EQ W:/SFRF80H HORO94W W:/HOGO91W MI/L."73B D.IB:R"Y-\$F75QER00? 14 W:/HUS.A70G)FXOWR03 MI\$:P.F80+ W:/C:DFQF73H M"/RFXO74WQ T.A(:AMO92D? K.I75Y-KF\$:LF70H BF75/R:XOWB03):EME80T W./N:KOXF73H LO)-TW.KA71L LF/BO75W)00? 15 WA/T.:HI70Y HF75/):EMET03 NE(:D.E80RET W:/SF71R M"/RF73(MI\$:T.OWL"92L? WA/Y.A94R:) Y:HWF91H WA/Y."71RA(B./("YNF73Y/W K.I75Y-) "71YN MI\$:P.F75+00? 16 WA/Y.AR:)03 K.I75Y-) "74YN)I80Y\$ WA/Y.I\$:T.OWM"73M K.I74Y) "74YN MAP:G.I92Y(A? WA/T.O70W\$A75(L/OW03 Z:RO(/O80W W:/CID:QFT/O73W HI71Y) S:MFKF75T:/HW.00? 17 WA/Y.IL:B.A70\$ C:DFQFH03 K.A/\$.IR:YF80N W:/KO71WBA(Y:\$W.(F73H B./RO)\$O92W? WA/Y.IL:B.A62\$ B.IG:D"70Y NFQFM03 T.IL:B.O80\$ET WA/Y.A71(A+ K.A/M:(I73YL QIN):F75H00? 18 K./:(A70L G.:MULOWT03 K./:(A74L Y:\$AL."80M X"MF74H L:/CFRF80Y/W G.:M73W.L L:/O75Y:BF92Y/W? LF/):IY.I73YM G.:M71W.L Y:\$AL."75M00? 19 W:/YI75YR:)70W. MI75/M.A(:ARFB03)ET-\$"74M Y:HWF80H W./MI/M.IZ:RAX-\$E73ME\$)ET-K.:BOWD/O92W? K.I75Y-YFBO70W) KA/N.FHFR03 CF80R R71W.XA Y:HWF73H NO71S:SFH B/O75W00? 20 W./BF70) L:/CIY.OWN03 G.OW)"80L W./L:/\$FB"71Y PE73\$A(B./YA75(:AQO92B N:)U73M Y:HWF75H00? 21 WA/):ANI81Y ZO74)T B.:RIYT/I70Y)OWT/FM03)FMA74R Y:HWF80H RW.X/IY03):A\$E74R (FLE80Y/KF W./D:BFR/A73Y):A\$ER-?&A74M:T.IY B.:PI92Y/KF LO75)-YFM83W.\$W. MI/P.IY/KF04 W./MI/P.I63Y ZAR:/):AKF61 W./MI/P.I63Y ZE70RA(ZAR:/):AKF03)FMA74R Y:HWF80H? M"/(AT.F73H W:/AD-(OWLF75M00 60 1 Q71W.MIY)O73WRIY K.I74Y BF74))OWR/"92K: W./K:BO71WD Y:HWF73H (FLA71Y/IK: ZFRF75X00? 2 K.I75Y-HIN."70H HA/XO33\$EK:03 Y:KAS.EH:)E80REC WA/(:ARFPE73L L:/UM.I92YM? W:/FLA33Y/IK:03 YIZ:RA74X Y:HWF80H W./K:BOWD/O73W (FLA71Y/IK: Y"RF)E75H00? 3 W:/HFL:K71W. GOWYI73M L:/OWR/"92K: W./M:LFKI73YM L:/NO71GAH. ZAR:X/"75K:00? 4 &:)I75Y-SFBI70YB ("YNA33Y/IK:03 W./R:)I80Y K.UL./F73M NIQ:B.:C74W. BF75)W.-L/F92K: B.FNA33Y/IK:03 M"/RFXO74WQ YFBO80W. W./B:NOTA73Y/IK: (AL-CA71D T.)FMA75NFH00? 5)F70Z T.IR:)IY03 W:/NFHA80R:T.: W./PFXA71D W:/RFXA73B L:BFB/"92K: K.I75Y-Y"HFP"70K: (FLA33Y/IK:03 H:AMO74WN YF80M X"71YL G.OWYI73M YFBO71)W. L/F75K:00? 6 \$I75P:(A63T G.:MAL.I61YM T.:KAS."/81K: B.IK:R"70Y MID:YFN03 W:/("YPF80H? K.UL./F73M MI/\$.:BF74) YFBO92)W.? ZFHF70B W./L:BOWNFH03 YI&.F80)W. W./T:HIL.O71T Y:HWF73H Y:BA&."75RW.00? 7 K.FL-CO70)N Q"DFR03 YIQ.F74B:CW. L/F80K:)"YL"71Y N:BFYQ73WT Y:\$FR:T92W.N/EK: YA(AL70W. (AL-RFCOWN03 MIZ:B.:X/I80Y W./B"71YT T.IP:)AR:T./I73Y):APF)"75R00? 8 MIY-) "73L.EH K.F/(F74B T.:W.PE92YNFH W:/KA/Y.OWNI73YM)EL-):ARUB.OT"Y/HE75M00? 9 K.I75Y-L/I74Y05)IY.I74YM Y:QAW.81W. WF/):FNIY.O70WT T.AR:\$IY\$03 B.F/RI74)\$ONF80H? L:/HFB170Y) BFNA33Y/IK:03 M"75/RFXO80WQ K.AS:P./F71M W./Z:HFB/F73M)IT./F92M? L:/M03

Y:HWF74H):ELOHA80Y/IK: W:/LI/Q:DO71W\$ YI&:RF)"73L K.I71Y P"):AR/F75K:00?
¹⁰ W./BFN70W. B:N"75Y-N"KFR03 XOMOTA80Y/IK: W./MAL:K"Y/HE73M
Y:\$FR:T92W.N/EK:? K.I70Y B:/QIC:P./IY03 HIK.IYTI80Y/K: W./BI/R:COWN/I73Y
RI75XAM:T.I75Y/K:00? ¹¹ W./PIT.:X63W. \$(FRA94Y/IK: T.FMI91YD YOWMF71M
WF/LA73Y:LFH LO74) YIS.FG"92RW.?)3 L:/HFB170Y))"LA33Y/IK:03 X"74YL
G.OWYI80M W./MAL:K"Y/HE73M N:HW.GI75YM00? ¹² K.I75Y-HA/G.O94WY
W:/HA/M.AM:LFKF91H):A\$E71R LO)-YA(AB:D73W./K: YO)B"92DW.
W:/HA/G.OWYI73M XFRO71B YEX:ERF75BW.00? ¹³ K.:BO70WD HA/L.:BFNOWN03
)"LA74Y/IK: YFBO80W) B.:RO91W\$ T.ID:HF71R W./T:)A\$.73W.R YAX:D.F92W?
L:/PF)"R03 M:QO74WM MIQ:D.F\$/I80Y W./M:QO71WM RAG:L/A73Y):AKAB."75D00?
¹⁴ W:/HFL:K63W.)"LA70Y/IK: \$:XO33WXA03 B.:N"74Y M:(AN.A80Y/IK:
W:/HI75\$:T.AX:AW91W. (AL-K.AP.O71WT RAG:LA73Y/IK:? K.FL-M:NA75):ACF92Y/IK:?
W:/QF70R:W. L/FK:03 (I74YR Y:HWF80H CIY.O73WN Q:DO71W\$ YI&:RF)"75L00?
¹⁵ T.A94XAT H:EYOWT/"91K: (:AZW.BF71H W./&:NW.)F73H W:/)"74YN (OWB"92R?
W:/&AM:T.IY/K:03 LI/G:)O74WN (OWLF80M M:&O73W& D.O71WR WF/DO75WR00?
¹⁶ W:/YFNAQ:T.:03 X:AL"74B G.OWYI80M W:/O71D M:LFKI73YM T.IYNF92QIY?
W:/YFDA81(AT.: K.I74Y):ANI70Y Y:HWFH03 MO75W\$YI(/"80K: W:/GO):AL/"73K:
):ABI71YR YA(:AQO75B00? ¹⁷ T.A74XAT HA/N.:XO61\$ET)FBI74Y) ZHFH81B
W:/TA70XAT HA/B.AR:ZEL03)F74BIY) KE80SEP? W:/TA70XAT HF75(/"CIYM03
N:XO80\$ET W:/TA71XAT HF/):ABFNI73YM B.AR:ZE92L? W:/&AM:T.I70Y
P:QUD.FT/"K:03 \$FLO80WM W:/NOG:&A73Y/IK: C:DFQF75H00? ¹⁸ LO)-YI\$.FMA63(
(O70WD XFMFS03 B.:)AR:C/"80K: \$O71D WF/\$E73BER B.I/G:BW.LF92Y/IK:?
W:/QFRF70)T Y:\$W.(FH03 XOWMOTA80Y/IK: W:/\$(FRA73Y/IK: T.:HIL.F75H00?
¹⁹ LO)-YI75H:YEH-L./F63K: (O70WD HA/\$.E33ME\$03 L:/)O74WR YOWMF80M?
W./L:/NO85GAH. HA/Y.FR"73XA LO)-YF)I74YR L/F92K:? W:/HFYFH-L/F70K: Y:HWFH03
L:/)O74WR (OWLF80M W:/)LOHA73Y/IK: L:/TIP:)AR:T./"75K:00? ²⁰ LO)-YFBO71W)
(OWD03 \$IM:\$/"80K: WI/YR"X/"73K: LO74) Y)"FS"92P? K.I74Y Y:HWF81H
YI75H:YEH-L./FK:03 L:/)O74WR (OWLF80M W:/F73W. Y:M"71Y)EB:L/"75K:00?
²¹ W:/AM."/K:03 K.UL/F74M CAD.IYQI80YM L:(OWLF73M YI74YR:\$W.)F92REC?
N"94CER **MA+.F(/A91Y MA(:A&"71H YFD/A73Y L:/HIT:P.F)"75R00? ²² HA/Q.F+ON03
YI75H:YE74H LF/)E80LEP W:/HA/C.F(I73YR L:/GO74WY (FC92W.M?):ANI71Y
Y:HWF73H B.:/IT/F71H.):AXIY\$/E75N.FH00 **61** ¹ R91W.XA):ADONF71Y Y:HWI73H
(FL/F92Y YA83(AN MF\$AX04 Y:HWF63H)OT/I61Y? L:/BA&."74R (:ANFWI81YM
\$:LFX/A33NIY03 LA/X:ABO74\$ L:/NI\$:B.:R"Y-L"80B? LI/Q:RO70) LI/\$.BW.YIM03
D.:RO80WR W:/LA/):ASW.RI73YM P.:QAX-QO75WXA00? ² LI/Q:RO70)
\$:NAT-RFCOWN03 LA75/YHWF80H W:/YO71WM NFQF73M L:/)LOH"92Y/NW.?
L:/NAX"73M K.FL-):AB"LI75YM00? ³ LF/&74W.M05 LA/):AB"L"74Y CIY.O81WN
LF/T"TO4 L/FHE63M P.:)"61R? T.A74XAT)"81PER? \$E70MEN &F&OWN03 T.A74XAT
)"80BEL MA(:A+"74H T:HIL.F80H T.A73XAT R74W.XA K."HF92H? W:/QORF70)
L/FHEM03)"YL"74Y HA/C.E80DEQ MA+.A71(Y:HWF73H L:/HIT:P.F)"75R00?
⁴ W./BFNW.03 XFR:BO74WT (OWLF80M \$OM:MO71WT RI75)\$ONI73YM
Y:QOWM"92MW.? W:/XID.:\$W.03 (F74R"Y XO80REB \$OM:MO73WT D.O71WR
WF/DO75WR00? ⁵ W:/FM:D74W. ZFRI80YM W:/RF(73W. CO)N:KE92M W./B:N"74Y
N"KF80R)IK.FR"Y/KE73M W:/KOR:M"Y/KE75M00? ⁶ W:/)AT.E81M K.OH:AN"70Y
Y:HWFH03 T.IQ.FR"80)W. M:\$FR:T"74Y):ELOH"80Y/NW. Y)"FM"73R L/FKE92M?
X"70YL G.OWYIM03 T.O)K"80LW. W./BI/K:BOWD/F73M T.IT:YAM.LF75RW.00?
⁷ T.A70XAT B.F\$:T./:KEM03 MI\$:NE80H W./K:LIM.F73H YFRO74N.W. XEL:Q/F92M?
LF/K"70N B.:)AR:C/FM03 MI\$:NE74H YIYRF80\$W. &IM:XA71T (OWLF73M
T.IH:YE71H)3 L/FHE75M00? ⁸ K.I74Y):ANI70Y Y:HWFH03)OH"74B MI\$:P.F80+ &ON"71)
GFZ"73L B.:/OWLF92H? W:/NFTAT.I70Y P:(UL.FT/FM03 B.E/):EME80T W./B:RI71YT
(OWLF73M)EK:RO71WT L/FHE75M00? ⁹ W:/NOWDA70(B.A/G.OWYIM03 ZAR:(F80M
W:/CE):ECF)"Y/HE73M B.:/TO74WK: HF/(AM.I92YM? K.FL-RO75)"Y/HEM03
YAK.IYR80W./M K.I91Y H"71M ZE73RA(B."RA71K: Y:HWF75H00 ¹⁰ &O94W&)F&I74Y&
B.A75/YHWF81H T.FG"70L NAP:\$/IY03 B."75/)LOH/A80Y? K.I70Y HIL:B.IY\$/A33NIY03
B.IG:D"Y-YE80\$(M:(I71YL C:DFQF73H Y:(F+/F92NIY? K.E75/XFTFN03 Y:KAH"74N
P.:)"80R W:/KA/K.AL.F73H T.A:(D.E71H K"LE75Y/HF00? ¹¹ K.I70Y KF)/F33REC03
T.OWCI74Y) CIM:X/F80H. W./K:/GAN.F73H Z"RW.(E74Y/HF TAC:MI92YXA? K."74N05

):ADONF74Y Y:HWI81H YAC:MI70YXA C:DFQFH03 W:/T:HIL.F80H NE73GED
 K.FL-HA/G.OWYI75M00? **62** ¹ L:MA70(AN CIY.OWN03 LO74))EX:E\$E80H
 W./L:MA71(AN Y:RW.\$FLA73IM LO74))E\$:QO92W+? (AD-Y"C"70) KA/N.O33GAH.03J3
 CID:Q/F80H. WI/Y\$W.(FT/F73H. K.:/LAP.I71YD YIB:(F75R00? ² W:/RF)70W. GOWYIM03
 CID:Q/"80K: W:/KFL-M:LFKI73YM K.:BOWD/"92K:? W:/QO70RF) L/FK:03 "\$74M
 XFDF80\$):A\$E91R P.I71Y Y:HWF73H YIQ:/FB/E75N.W.00? ³ W:/HFI91YT:]1 (:A+E71RET
 T.IP:)E73RET B.:YAD-Y:HWF92H **W./C:NI71YP M:LW.KF73H
 B.:/KAP-?):ELOHF75Y/IK:00? ⁴ LO75)-Y")FM"R04 L/F63K: (O61WD (:AZW.BF81H
 W./L:/)AR:C/"K:03 LO)-Y")FM"71R (OWD03 \$:MFMF80H? K.I74Y L/F81K: YIQ.FR")03
 XEP:C/IY-B/F80H. W./L:/)AR:C/"73K: B.:/W.LF92H? K.I75Y-XFP"70C Y:HWFH03 B./F80K:
 W:/)AR:C/"73K: T.IB.F("75L00? ⁵ K.I75Y-YIB:(A70L B.FXW.R03 B.:TW.LF80H
 YIB:(FL73W./K: B.FNF92Y/IK:? W./M:&O70W& XFTFN03 (AL-K.AL.F80H YF&I71Y&
 (FLA73Y/IK:):ELOHF75Y/IK:00? ⁶ (AL-XOWMOTA74Y/IK: Y:RW.\$FLA81IM
 HIP:QA33D:T.IY03 \$O75M:RI80YM? K.FL-HA/Y.O94WM W:/KFL-HA/L.A91Y:LFH
 T.FMI73YD LO74) YEX:E\$92W.? HA/M.AZ:K.IRIYM03)ET-Y:HWF80H)AL-D.:FMI73Y
 L/FKE75M00? ⁷ W:/)A75L-T.IT.:N71W. D:FMI73Y L/O92W (AD-Y:KOWN"62N?
 W:/)AD-YF&I94YM)ET-Y:R75W.\$FLA91IM T.:HIL.F73H B.F/F75REC00? ⁸ NI\$:B.A94
 Y:HWF91H B.I75/YMIYN/O73W W./BI/Z:RO74W(A (UZ./O92W?)IM-)ET."N04
)ET-D.:GFN/"63K: (O70WD MA75):AKFL03 L:/)O74Y:BA80Y/IK:? W:/)IM-YI\$:T.70W.
 B:N"75Y-N"KFR03 T.I75YROW\$/"80K:):A\$E71R YFGA73(AT.: B./O75W00? ⁹ K.I70Y
 M:)AS:PFY/W03 YO)K:LU80/HW. W:/HI75L:L73W.)ET-Y:HWF92H?
 W.75M:QAB.:CF71Y/W YI\$:T.U73/HW. B.:XAC:RO71WT QFD:\$/I75Y00 ¹⁰ (IB:R70W.
 (IB:RW.03 B.A/\$:(FRI80YM P.AN.73W. D.E74REK: HF/(F92M? SO74L.W. SO70L.W.
 HA75/M:SIL.FH03 SAQ.:L74W. M")E80BEN? HFRI71YMW. N"73S (AL-HF/(AM.I75YM00?
¹¹ HIN."74H Y:HWF81H HI\$:MI33Y(A03)EL-Q:C"74H HF/)F80REC?)IM:RW.03
 L:/BAT-CIY.O80WN HIN."71H YI\$/(/"73K: B.F92)? HIN."70H &:KFR/OW03)IT./O80W
 W./P:(UL.FT/O73W L:/PFNF75Y/W00? ¹² W:/QFR:)71W. L/FHE91M (AM-HA/Q.O73DE\$
 G.:W.L"74Y Y:HWF92H? W:/L/FK:03 YIQ.FR"74) D:RW.\$F80H (I73YR LO71)
 NE:(EZ75BFH00 **63** ¹ MIY-ZE74H05 B.F74) M")ED081WM X:AM70W.C B.:GFDIYM03
 MI/B.FC:RF80H? 10ZEH HFD74W.R B./L:BW.\$/O80W CO(E73H B.:/RO74B K.OX/O92W?
):ANI91Y M:DAB."71R B./C:DFQF73H RA71B L:/HOW\$I75Y(A00? ² MAD.71W.(A
)FDO73M LI/L:BW.\$/E92KF W./B:GFDE73Y/KF K.:/DOR"71K: B.:/GA75T00?
³ P.W.RF74H05 D.FRA74K:T.IY L:/BAD./I81Y W./M"75/(AM.IYM03)"75YN-)I74Y\$
)IT./I80Y? W:/)ED:R:K/"74M B.:/AP./I80Y W:/)ER:M:S/"73M B.A/X:AMFT/I92Y? W:/Y"70Z
 NIC:X/FM03 (AL-B.:GFD/A80Y W:/KFL-MAL:B.W.\$/A73Y)EG:)F75L:T.IY00? ⁴ K.I91Y
 YO71WM NFQF73M B.:/LIB./I92Y W./\$:NA71T G.:W.L/A73Y B.F75)FH00? ⁵ W:/)AB.IY+03
 W:/)74YN (OZ"80R W:/)E\$:T.OWM"73M W:/)74YN SOWM"92K:? WA/T.O70W\$A75(
 L/IY03 Z:RO(I80Y WA/X:AMFT/I73Y HI71Y) S:MFKF75T:/NIY00? ⁶ W:/)FB70W.S
 (AM.IYM03 B.:/AP./I80Y WA):A\$AK.:R/"73M B.A/X:AMFT/I92Y? W:/)OWRI71YD
 LF)F73REC NIC:X/F75M00 ⁷ XA75S:D"63Y Y:HWF70H05)AZ:K.IYR03 T.:HIL.O74T
 Y:HWF80H? K.:/A85L K.O71L):A\$ER-G.:MFL/F73NW. Y:HWF92H W:/RAB-+W.B03
 L:/B"74YT YI&:RF)"80L?):A\$ER-G.:MFL/F71M K.:75/RAX:AMF73Y/W W./K:/RO71B
 X:ASFDF75Y/W00? ⁸ WA/Y.O33)MER03)AK:-(AM./I74Y H"80M.FH B.FNI73YM LO74)
 Y:\$AQ."92RW.? WA/Y:HI71Y L/FHE73M L:/MOW\$I75Y(A00 ⁹ B.:75/KFL-CFRFT/F74M05?
 **L/O74W CF81R W./MAL:)A70K: P.FNFY/W03 HO75W\$YI/(F80M? B.:/AH:ABFT/O71W
 W./B:/XEM:LFT/O73W H74W.) G:/JL/F92M? WA75/Y:NA+:L/"71M WA75/Y:NA&:)/"73M
 K.FL-Y:M"71Y (OWLF75M00? ¹⁰ W:/H"91M.FH MFR71W. W:/)IC.:B73W.)ET-R74W.XA
 QFD:\$/O92W? WA/Y."HFP"71K: L/FHE91M L:/)OWY"73B H71W.) NIL:XAM-B./F75M00?
¹¹ WA/Y.IZ:K.O71R Y:M"75Y-(OWLF73M MO\$E74H (AM./O92W?)AY."74H05
 HA75/M.A(:AL/"74M MI/Y.F81M 10)"T RO("74Y CO)N/O80W?)AY."91H HA/&.F71M
 B.:/QIR:B./O73W)ET-R71W.XA QFD:\$/O75W00? ¹² MOWLIYK:03 LI/YMI74YN MO\$E80H
 Z:RO73W(A T.IP:)AR:T./O92W? B.O70WQ"75(A MA33YIM03 MI/P:N"Y/HE80M
 LA/(:A&O71WT L/O73W "\$71M (OWLF75M00? ¹³ MOWLIYK/F73M B.A/T.:HOMO92WT
 K.A/S.71W.S B.A/M.ID:B.F73R LO71) YIK.F\$"75LW.00? ¹⁴ K.A/B.:H"MFH03
 B.A/B.IQ:(F74H T"R"80D R71W.XA Y:HWF73H T.:NIYX/E92N.W.? 10K."N NIHA74G:T.F
 (AM.:KF80 LA/(:A&O71WT L:/KF73 "\$71M T.IP:)F75RET00? ¹⁵ HAB."70+
 MI/\$.FMA33YIM03 W./R:)80H MI/Z.:BU71L QFD:\$:/KF73 W:/TIP:)AR:T./E92KF?)AY."70H

QIN:)F95T:/KF03 W./G:B74W.ROT/E80KF H:AMO71WN M"(E91Y/KF?
W:75/RAX:AME73Y/KF)L/A71Y HIT:)AP.F75QW.00 ¹⁶ K.I75Y-)AT.F74H)FBI80Y/NW.?
K.I70Y)AB:RFHFM03 LO74) Y:DF/(F80NW. W:/YI&:RF)"73L LO74) YAK.IYR/F92NW.?
)AT.F70H Y:HWFH03)FBI80Y/NW. G.O):AL/"71NW. M"75/(OWLF73M \$:M/E75KF00?
¹⁷ LF74/M.FH TAT:("/70NW. Y:HWFH03 MI/D.:RFKE80Y/KF T.AQ:\$I71YXA LIB./"73NW.
MI/Y.IR:)FT/E92KF? 10\$W.B L:MA74(AN (:ABFDE80Y/KF \$IB:+"73Y
NAX:ALFT/E75KF00? ¹⁸ LA/M.IC:(F85R YFR:\$73W. (AM-QFD:\$E92KF CFR"85Y/NW.
B.OWS:\$73W. MIQ:D.F\$/E75KF00? ¹⁹ HFYI81YNW. M"75/(OWLFM03 LO75)-MF\$A74L:T.F
B./F80M LO75)-NIQ:RF71) \$IM:/KF73 (:AL"Y/HE92M? LW.)-QFRA70(:T.F \$FMA33YIM03
YFRA80D:T.F MI/P.FNE73Y/KF HFRI71YM NFZO75L.W.00? **64** ¹ K.I/Q:DO94XA)"74\$
H:AMFSI81YM 10MAYIM T.IB:(EH-)"80\$? L:/HOWDI71Y(A \$IM:/KF73 L:/CFRE92Y/KF
MI/P.FNE73Y/KF G.OWYI71M YIR:G.F75ZW.00? ² B.A/(:A&OWT:KF71 NOWRF)O73WT
LO74) N:QAW.E92H YFRA85D:T.F MI/P.FNE73Y/KF HFRI71YM NFZO75L.W.00?
³ W./M"/(OWLF71M LO)-\$FM:(73W. LO74) HE):EZI92YNW.? (A74YIN LO75)-RF)F81TFH
):ELOHIYM03 ZW.LF74T:/KF80 YA(:A&E73H LI/M:XAK."H-L/O75W00? ⁴ P.FGA70(:T.F
)ET-&F&03 W:/(O74&"H CE80DEQ B.I/D:RFKE73Y/KF YIZ:K.:R92W./KF H"N-)AT.F70H
QFCA33P:T.F03 WA75/N.EX:E+F80) B./FHE71M (OWLF73M W:/NIW.F\$"75(A00?
⁵ WA/N.:HI70Y KA/+.FM")03 K.UL./F80NW. W./K:/BE71GED (ID.I73YM
K.FL-CID:QOT"92Y/NW.? WA/N.F70BEL K.E75/(FLEH03 K.UL./F80NW.
WA/(:AWON/"73NW. K.F/R71W.XA YI&F)U75/NW.00? ⁶ W:/)"YN-QOWR"74)
B:/\$IM:/KF80 MIT:(OWR"73R L:/HAX:AZI74YQ B./F92K:?) K.I75Y-HIS:T.A70R:T.F
PFNE33Y/KF03 MI/M./E80N.W. WA/T.:MW.G/"73NW. B.:YAD-(:AWON/"75NW.00?
⁷ W:/(AT.F71H Y:HWF73H)FBI74Y/NW.)F92T.FH?):ANA70X:NW. HA/XO33MER03
W:/)AT.F74H YOC:R/"80NW. W./MA(:A&"71H YFD:/KF73 K.UL./F75NW.00?
⁸)AL-T.IQ:CO70P Y:HWFH03 (AD-M:)O80D W:/)AL-LF/(A73D T.IZ:K.O74R (FWO92N?
H"71N HAB.E+-NF73) (AM./:KF71 KUL./F75NW.00 ⁹ (FR"71Y QFD:\$:/KF73 HFY74W.
MID:B.F92R? CIY.OWN03 MID:B.F74R HFYF80TFH Y:RW.\$FLA73IM \$:MFMF75H00?
¹⁰ B."94YT QFD:\$/"74NW. W:/TIP:)AR:T/"81NW.):A\$E70R HI75L:L33W/KF03
):ABOT"80Y/NW.? HFYF73H LI/&:R"74PAT)"92\$ W:/KFL-MAX:AMAD."73Y/NW.
HFYF71H L:/XFR:B.F75H00? ¹¹ HA/(AL-)"71L.EH TIT:)AP.A73Q Y:HWF92H T.EX:E\$E71H
W:/T:(AN./"73NW. (AD-M:)O75D00 **65** ¹ NID:RA33\$:T.IY03 L:/LO74W) \$F)F80LW.
NIM:C"73)TIY L:/LO74) BIQ:\$U92/NIY?)FMA33R:T.IY03 HIN./"74NIY HIN./"80NIY
)EL-G.O73WY LO75)-QORF71) BI/\$:M/I75Y00? ² P."RA94&:T.IY YFD/A91Y
K.FL-HA/Y.O73WM)EL-(A74M SOWR"92R? HA/HOL:KIYM03 HA/D.E74REK:
LO)-+O80WB)AXA73R MAX:\$:BOT"Y/HE75M00? ³ HF/(F81M HA/M.AK:(IYSI71YM
)OWT/I91Y (AL-P.FN/A73Y T.FMI92YD? ZO75B:XIYM03 B.A/G.AN.O80WT
W.95/M:QA+:.RI73YM (AL-HA/L.:B"NI75YM00? ⁴ HA/Y.O75\$:BIYM03 B.A/Q.:BFRI80YM
W./BA/N.:CW.RI73YM YFLI92YNW.? HF/)O75K:LIYM03]3 B.:&A74R HA/X:AZI80YR
**W/M:RA71Q P.IG.ULI73YM K.:L"Y/HE75M00? ⁵ HF/)O75M:RIYM03 Q:RA74B
)"LE80Y/KF)AL-T.IG.A\$-B./I73Y K.I74Y Q:DA\$:T.I92Y/KF? ¹⁰)"L.EH (F\$F74N
B:/)AP./I80Y)"71\$ YOQE73DET K.FL-HA/Y.O75WM00? ⁶ HIN."71H K:TW.BF73H
L:/PFNF92Y? LO70))EX:E&EH03 K.I74Y)IM-\$IL.A80M:T.IY W:/\$IL.AM:T.I73Y
(AL-X"YQ/F75M00? ⁷ 14(:AWONOT"Y/KEM WA/(:AWONO63T):ABOWT"Y/KE70M
YAX:D.FW03)FMA74R Y:HWF80H?):A\$E70R QI+:.RW.03 (AL-HE74/HFRI80YM
W:/)AL-HA/G.:BF(O73WT X"R:P92W.NIY? W./MAD.OTI94Y P:(UL.FT/F91M
RI75)\$ONF73H **)EL-X"YQ/F75M00 ⁸ K.O74H05)FMA74R Y:HWF81H K.A):A\$E63R
YIM.FC"70) HA/T.IYROW\$03 B.F75)E\$:K.O80WL? W:/)FMAR03)AL-T.A\$:XIYT/"80HW.
K.I71Y B:RFKF73H B./O92W? K."70N)E75(:E&EH03 L:MA74(AN (:ABFD/A80Y
L:/BIL:T.I73Y HA95\$:XI71YT HA/K.O75L00? ⁹ W:/HOWC")TI70Y MI75/Y.A:(AQOB03
ZE80RA(W./MI/YHW.DF73H YOWR"74\$ HFR/F92Y? WI/YR"\$74W./HF B:XIYR/A80Y
WA/(:ABFD/A73Y YI\$:K.:NW.-\$F75M.FH00? ¹⁰ W:/HFYF70H HA/\$.FROWN03
LI/N:W"H-CO80)N W:/("71MEQ (FKO73WR L:/R"74BEC B.FQF92R? L:/)AM./I73Y
):A\$E71R D.:RF\$75W./NIY00? ¹¹ W:/)AT.EM03 (OZ:B"74Y Y:HWF80H HA/\$:K"XI73YM
)ET-HA74R QFD:\$/I92Y? HA95/(OR:KI70YM LA/G.AD03 \$UL:XF80N
W:/HA75/M:MAL:)I73YM LA/M:NI71Y MIM:SF75K:00? ¹² W:/MFNI63YTIY)ET:/KE61M
LA/XE81REB W:/KUL.:KEM03 LA/+.E74BAX T.IK:RF80(W.? YA70(AN QFRF33)TIY03
W:/LO74) (:ANIYTE80M D.IB.A73R:T.IY W:/LO74) \$:MA(:T.E92M? WA/T.A:(A&70W.

HF/RA(03 B.:("YN/A80Y W./BA):A\$E71R LO75)-XFFA73C:T.IY B.:XAR:T.E75M00
¹³ LF/K"62N K.OH-)FMA74R05):ADONF74Y Y:HWI81H? HIN."63H (:ABFD/A70Y05
 YO)K"33LW.03 W:/)AT.E74M T.IR:(F80BW.? HIN."94H (:ABFD/A91Y YI\$:T.73W.
 W:/)AT.E74M T.IC:MF92)W.? HIN."94H (:ABFD/A91Y YI&:MF73XW. W:/)AT.E71M
 T."BO75\$W.00? ¹⁴ HIN."94H (:ABFD/A91Y YFRO73N.W. MI/+.74W.B L"92B? W:/)AT.E70M
 T.IC:(AQW.03 MI/K.):"74B L"80B W./MI/\$."71BER R73W.XA T.:Y"LI75YLV.00?
¹⁵ W:/HIN.AX:T.E63M \$IM/:KE70M LI/\$:BW.(FH03 LI/B:XIYR/A80Y WE/H:EMIYT/:KF73
):ADONF74Y Y:HWI92H? W:/LA/(:ABFDF71Y/W YIQ:RF73) \$"71M)AX"75R00?
¹⁶):A\$E63R HA/M.IT:B.FR"61K: B.F/)F81REC YIT:B.FR"K:03 B."/LOH"74Y)FM"80N?
 W:/HA/N.I\$:B.F74(B.F/)F80REC YI\$.FBA73(B."/LOH"74Y)FM"92N? K.I74Y
 NI\$:K.:X81W. HA/C.FROWT03 HF/RI74)\$ONO80WT W:/KI71Y NIS:T.:R73W.
 M"/("YN/F75Y00? ¹⁷ K.I75Y-HIN/:NI71Y BOWR"91) \$FMA71YIM X:ADFSI73YM
 WF/)F74REC X:ADFS\$F92H? W:/LO70) TIZ.FKA33R:NFH03 HF/RI74)\$ONO80WT W:/LO71)
 TA:(ALE73YNFH (AL-L"75B00? ¹⁸ K.I75Y-)IM-&I70Y&W. W:/GI33YLV.03 (:AD"Y-(A80D
):A\$E73R):ANI74Y BOWR"92)? K.IY04 HIN/:NI63Y BOWR"94))ET-Y:RW.\$FLA91IM
 G.IYLF73H W:/(AM./F71H. MF&O75W&00? ¹⁹ W:/GAL:T.I71Y BI/YRW.\$FLA73IM
 W:/&A&:T.I74Y B:/(AM./I92Y? W:/LO75)-YI\$.FMA71(B./FH.03 (O80WD QO71WL
 B.:KI73Y W:/QO71WL Z:(FQF75H00? ²⁰ LO)-YI75H:YE63H MI/\$.F61M (O81WD (70W.L
 YFMIYM03 W:/ZFQ"80N):A\$E71R LO75)-Y:MAL."73))ET-YFMF92Y/W? K.I74Y
 HA/N.A81(AR B.EN-M")F70H \$FNFH03 YFM80W.T W:/HA74/XOW+E80) B.EN-M")F71H
 \$FNF73H? Y:QUL.F75L00? ²¹ W:/BFN71W. BFT.I73YM W:/YF\$F92BW. W:/NF+: (74W.
 K:RFMI80YM W:/)FK:L73W. P.IR:Y/F75M00? ²² LO70) YIB:NW.03 W:/)AX"74R Y"\$"80B
 LO71) YI+.: (73W. W:/)AX"74R YO)K"92L? K.I75Y-KI/YM"70Y HF/("C03 Y:M"74Y
 (AM./I80Y W./MA(:A&"71H Y:D"Y/HE73M Y:BAL.71W. B:XIYR/F75Y00? ²³ LO70)
 YI75YG:(W.03 LF/RI80YQ W:/LO71) Y"L:D73W. LA/B.EHFLF92H? K.I74Y ZE61RA(
 B.:RW.K"70Y Y:HWFH03 H"80M.FH W:/CE):ECF)"Y/HE73M)IT./F75M00? ²⁴ W:/HFYF71H
 +E75REM-YIQ:RF73)W. WA/):ANI74Y)E:(ENE92H (O91WD H"71M M:DAB.:RI73YM
 WA/):ANI71Y)E\$:MF75(00? ²⁵ Z:)"63B W:/+FLE61H YIR:(74W. K:/)EXF81D W:/)AR:Y"H03
 K.A/B.FQF74R YO75)KAL-T.E80BEN? W:/NFXF73\$ (FPF74R LAX:M/O92W?
 LO75)-YFR"94(W. W:/LO75)-YA\$:XI91YTW. B.:KFL-HA71R QFD:\$/I73Y)FMA71R
 Y:HWF75H00

Biblia Hebraica Stuttgartensia as released by the TanakhML Project is based on the following edition hosted and distributed by the Oxford Text Archive (<http://ota.ahds.ac.uk/>): **FILE DESCRIPTION Title Statement Title** Bible. O.T. Hebrew. Biblia Hebraica Stuttgartensia [Electronic resource]: (Michigan-Clairemont text) *Editors* Kittel, Rudolf, 1853-1929. Alt, Albrecht, 1883-1956. Eissfeldt, Otto, 1887-. Kahle, Paul, 1875-1964. Elliger, Karl, 1901-1977. Rudolph, Wilhelm, 1891- *Name* Whitaker, Richard E.. Parunak, H. Van Dyke *Responsibility* creation of machine-readable version **Edition Statement** *Edition* Rev. ed. / Computer Assisted Tools for Septuagint Studies (Project) *Extent* Text data. (1 file : ca. 3240 kilobytes) **Publication Statement** *Date* 1987-02-07 *Name* Oxford Text Archive. Oxford *Address* Oxford University Computing Services. 13 Banbury Road. Oxford. OX2 6NN. *info@ota.ahds.ac.uk IDNO* bibl0525 *Availability* Freely available for non-commercial use provided that this header is included in its entirety with any copy distributed. From the printed Code manual deposited with the electronic text: "The project was made possible ... by the gracious release granted by the Deutsche Bibelstiftung, Stuttgart, publishers of Biblia Hebraica Stuttgartensia." **Notes Statement** *Notes* Mode of access: Online. OTA website. Title proper taken from printed records held at the Oxford text Archive. Coded transliteration of printed version. "The Hebrew text used in the [Computer Assisted Tools for Septuagint Studies (CATSS)] project was encoded under the direction of Richard Whitaker (Clairemont Institute for Antiquity and Christianity) and H. Van Dyke Parunak (University of Michigan Computer Center) ... and has been corrected by the Jerusalem team with the aid of the Maredsous Data Bank"--Computer Assisted Tools for Septuagint Studies (CATSS). vol. 1. p. 8.. This revised edition overseen by Emanuel Tov and Robert A. Kraft. Publication based on this text: Computer Assisted Tools for Septuagint Studies (CATSS) / project directors, Robert A. Kraft [and] Emanuel Tov. -- Atlanta, Ga. : Scholars Press, 1986- . -- (Society of Biblical Literature. Septuagint and cognate studies series ; no. 20). -- Contents: Vol. 1. Ruth / [by] John R. Abercrombie, William Adler, Robert A. Kraft [and] Emanuel Tov. -- ISBN 0-89130-978-0 (v. 1 : alk. paper). -- ISBN 0-89130-979-9 (v. 1 : pbk. : alk. paper). **Source Description** *Bibliography* Transcribed from: Biblia Hebraica Stuttgartensia quae antea cooperantibus A. Alt, O. Eissfeldt, P. Kahle ediderat R. Kittel / editio funditus renovata, adjuvantibus H. Bardtke ... [et al.] cooperantibus H.P. Rüger et J. Ziegler ; ediderunt K. Elliger et W. Rudolph ; textum Masoreticum curavit H.P. Rüger, Masoram elaboravit G.E. Weil. -- Stuttgart : Deutsche Bibelstiftung, 1977. -- Prolegomena in German, English, French, Spanish and Latin. -- Added title and text in Hebrew: Torah, Neviim u-Khetuvim. -- ISBN 3-43805218-0. **ENCODING DESCRIPTION Project Description** *Project* The aim of this project was to produce the first complete machine-readable Old Testament text in the public domain **Sampling Declaration** *Sampling* **Editorial Declaration** *Editors* Encoding format: Plain text. Text transcribed using a code: please apply to the Oxford Text Archive for detailed printed information. From the Printed code manual: "This text is a complete transcription of the graphical form of the Massoretic text, as recorded in Biblia Hebraica Stuttgartensia, with as little analysis as possible ... Experience indicates that if graphical details are leveled out by recording only analysis, inevitably those very details will be needed later. We have recorded as much as possible at the outset. Our overriding rule had been, "Code what is WRITTEN, not what is MEANT.". 95% of the text employs capital letters **Tags Declaration** **References Declaration** *Reference* **Class Declaration** *Bibliography* Oxford Text Archive Subject Headings *Bibliography* Library of Congress Subject Headings **PROFILE DESCRIPTION** **Creation** *Date* [198-?] **Language Usage** *Language* Hebrew **Text Class** *Keyword* Sacred texts *Keyword* **REVISION DESCRIPTION** **Change** *Date* 06 Sep. 2000 *Name* Webb, Anton *Responsibility* Cataloguer *Item* Header changed in accordance with ISBD(ER) guidelines and expanded. Validated in the TEI Lite DTD using XMetal 2.0 **Change** *Date* 14 Jan 1998 *Name* Burnard, Lou *Responsibility* cvt (converter) *Item* Header auto-generated from TOMES **Change** *Date* 1990-1991 *Name* Day, Michael *Responsibility* edt (Editor) *Item* The following information was at the beginning of a MARC record used to to generate this TEI header, and may contain useful information: FIELDS SUBJECT TO REVISION: 506.