

The TanakhML Project

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Biblia Hebraica Stuttgartensia
Isaiah 1-48

1 ¹ X:AZOWN03 Y:\$A75(:YF74HW. BEN-)FMO80WC):A\$E74R XFZF80H
 (AL-Y:HW.DF73H WI/YRW.\$FLF92IM B.I/YM"63Y? (UZ.IY.F94HW. YOWTF91M)FXF71Z
 Y:XIZ:QIY.F73HW. MAL:K"71Y Y:HW.DF75H00? ² \$IM:(70W. \$FMA33YIM03
 W:/HA):AZI74YNIY)E80REC K.I71Y Y:HWF73H D.IB."92R? B.FNIYM03 G.ID.A74L:T.IY
 W:/ROWMA80M:T.IY W:/H"73M P.F71\$:(W. B/I75Y00? ³ YFDA71(\$OWR03 QON/"80HW.
 WA/X:AMO73WR)"B74W.S B.:(FLF92Y/W? YI&:RF)"L03 LO74) YFDA80((AM./I73Y
 LO71) HIT:B.OWNF75N00? ⁴ HO74WY05 G.O74WY XO+"81) 10(AM K.E74BED (FWO80N?
 ZE74RA(M:R"(I80YM B.FNI73YM MA\$:XIYTI92YM? (FZ:B74W.)ET-Y:HWF81H
 NI75):AC91W.)ET-Q:DO71W\$ YI&:RF)"73L? NFZO71RW.)FXO75WR00? ⁵ (A74L ME71H
 TUK.91W. (O73WD T.OWSI74YPW. SFRF92H? K.FL-RO74)\$ LF/X:FLI80Y
 W:/KFL-L"BF73B D.AW.F75Y00? ⁶ MI/K.AP-RE70GEL W:/((AD-RO)\$03)"75YN-B./O74W
 M:TO80M? P.E71CA(W:/XAB.W.RF73H W./MAK.F74H +:RIY.F92H? LO)-ZO33RW.03
 W:/LO74) XUB.F80\$W. W:/LO71) RUK.:KF73H B.A/\$.F75MEN00? ⁷)AR:C:KE74M
 \$:MFMF80H (FR"Y/KE73M &:RUPO74WT)"92\$?)AD:MAT:KE81M L:/NEG:D.:KEM03
 ZFRIYM03)OK:LI74YM)OT/F80H.? W:/\$.MFMF73H K.:MAH:P."KA71T ZFRI75YM00?
⁸ W:/NOWT:RF71H BAT-CIY.O73WN K.:SUK.F74H B:/KF92REM? K.I/M:LW.NF71H
 B:/MIQ:\$F73H K.:(I71YR N:CW.RF75H00? ⁹ LW.L"Y03 Y:HWF74H C:BF)O80WT
 HOWTI71YR L/F91NW. &FRI73YD K.I/M:(F92+? K.I/S:DO74M HFYI80YNW.
 LA/(:AMORF73H D.FMI75YNW.00 ¹⁰ \$IM:(71W. D:BAR-Y:HWF73H Q:CIYN"74Y
 S:DO92M? HA):AZI91YNW. T.OWRA71T):ELOH"73Y/NW. (A71M (:AMORF75H00?
¹¹ LF/M.FH-L/I70Y ROB-ZIB:X"Y/KEM03 YO)MA74R Y:HWF80H? &FBA91(:T.IY
 (OLO71WT)"YLI73YM W:/X"74LEB M:RIY)I92YM? W:/DA63M P.FRI94YM
 W:/K:BF&I91YM W:/((AT.W.DI73YM LO71) XFPF75C:T.IY00? ¹² K.I74Y TFB080)W.
 L"/RF)O73WT P.FN/F92Y? MIY-BIQ."71\$ ZO91)T MI/Y.ED:/KE73M R:MO71S
 X:AC"R/F75Y00? ¹³ LO74) TOWSI81YPW. HFBIY)03 MIN:XAT-\$F80W:) Q:+O94RET
 T.OW("BF91H HI73Y) L/I92Y? XO70DE\$ W:/\$AB.FT03 Q:RO74) MIQ:RF80) LO)-JW.KA71L
)F73WEN WA/(:ACFRF75H00? ¹⁴ XFD:\$"Y/KE70M W:/MOW(:AD"Y/KEM03 &FN:)F74H
 NAP:\$/I80Y? HFY71W. (FL/A73Y LF/+O92RAX NIL:)"73YTIY N:&O75)00?
¹⁵ W:/B:/PFRI&:KE74M K.AP."Y/KE81M)A(:LI70YM ("YN/AY03 MI/K.E80M? G.A91M
 K.I75Y-TAR:B.71W. T:PIL.F73H)"YN/E74N.IY \$OM"92(A? Y:D"Y/KE73M D.FMI71YM
 MFL"75)W.00 ¹⁶ RAX:ACW.03 HIZ.AK.80W.? HFSI91YRW. RO71(A MA(AL:L"Y/KE73M
 MI/N.E74GED? ("YN/F92Y? XID:L73W. HFR"75(A00 ¹⁷ LIM:D71W. H"Y+"91B? D.IR:\$71W.
 MIS:P.F73+)A\$.:R74W. XFMO92WC? \$IP:+74W. YFTO80WM RI73YBW.)AL:MFNF75H00
¹⁸ L:KW.-NF91) W:/NIW.F75K:XF73H YO)MA74R Y:HWF92H?)IM-YI75H:Y63W.
 X:A+F)"Y/KE70M K.A/\$.FNIYM03 K.A/\$.E74LEG YAL:B.I80YNW.?)IM-YA):D.I71YMW.
 KA/T.OWLF73(K.A/C.E71MER YIH:Y75W.00? ¹⁹)IM-T.O)B73W. W:/\$.MA(:T.E92M
 +71W.B HF)/F73REC T.O)K"75LW.00? ²⁰ W:/)IM-T.:MF):AN73W. W:/M:RIYTE92M
 XE74REB T.:UK.:L80W.? K.I91Y P.I71Y Y:HWF73H D.IB."75R00 ²¹)"YKFH03 HFY:TF74H
 L:/ZOWNF80H QIR:YF73H NE):EMFNF92H? M:L"):ATI74Y MI\$:P.F81+ CE91DEQ
 YFLI71YN B./F73H. W:/((AT.F71H M:RAC.:XI75YM00? ²² K.AS:P/"73K: HFYF74H
 L:/SIYGI92YM SFB:)"73K: MFH71W.L B.A/M.F75YIM00? ²³ &FRA74Y/IK: SOWR:RI81YM
 W:/XAB:R"Y03 G.AN.FBI80YM? K.UL/OW03)OH"74B \$O80XAD W:/ROD"73P
 \$AL:MONI92YM? YFTOWM03 LO74) YI\$:P.O80+W. W:/RI71YB)AL:MFNF73H
 LO75)-YFBO71W)):AL"Y/HE75M00 ²⁴ LF/K"81N N:)U70M HF75)/FDOWN03 Y:HWF74H
 C:BF)O80WT):ABI73YR YI&:RF)"92L? 10HOWY)EN.FX"74M MI/C.FR/A80Y
 W:/)IN.FQ:MF73H M")OWY:B/F75Y00? ²⁵ W:/)F\$I70YBFH YFD/ITY03 (FLA80Y/IK:?
 W:/)EC:RO71P K.A/B.O73R SIYGF92Y/IK: W:/)FSI73YRFH K.FL-B.:DIYLF75Y/IK:00?
²⁶ W:/)F\$I70YBFH \$OP:+A33Y/IK:03 K.:BF/RI74)\$ONF80H W:/YO(:ACA73Y/IK:
 K.:BA/T.:XIL.F92H?)AX:AR"Y-K"81N YIQ.F70R") L/FK:03 (I74YR HA/C.E80DEQ
 QIR:YF73H NE):EMFNF75H00? ²⁷ CIY.O73WN B.:MI\$:P.F74+ T.IP.FDE92H
 W:/\$FBE73Y/HF B.I/C:DFQF75H00? ²⁸ W:/\$E94BER P.O\$:(I91YM W:/XA+.F)I73YM
 YAX:D.F92W W:/((OZ:B"71Y Y:HWF73H YIK:L75W.00? ²⁹ K.I74Y Y"BO80\$W.
 M")/"YLI73YM):A\$E74R X:AMAD:T.E92M? W:/TA63X:P.:R80W. M"/HA/G.AN.O73WT
):A\$E71R B.:XAR:T.E75M00? ³⁰ K.I74Y TI75H:Y80W. K.:)"LF73H NOBE74LET (FL/E92HF?
 W.95/K:/GAN.F80H):A\$ER-MA73YIM)"71YN L/F75H.00? ³¹ W:/HFYF70H HE/XFSON03
 LI/N:(O80RET W:/PO(:AL/O73W L:/NIYCO92WC? W:/BF(:AR94W. \$.N"Y/HE91M
 YAX:D.F73W W:/)"71YN M:KAB.E75H00 **2** ¹ HA/D.FBFR03):A\$E74R XFZF80H

Y:\$A75(:YF73HW. B.EN-)FMO92WC (AL-Y:HW.DF73H WI/YRW.\$FLF75IM00?
² W:/HFYF74H05 B.:)AX:ARI74YT HA/Y.FMI81YM NFKO63WN YI75H:YE61H HA70R
 B."YT-Y:HWFH03? B.:/RO74)\$ HE/HFRI80YM W:/NI&.F73) MI/G.:BF(O92WT?
 W:/NFH:AR71W.)"LF73Y/W K.FL-HA/G.OWYI75M00? ³ W:/75/HFL:K62W. (AM.I74YM
 RAB.I81YM W:/FM:RW.03? L:K74W.05 W:/NA(:ALE74H)EL-HAR-Y:HWF81H
)EL-B."YT03)E:LOH"74Y YA(:AQO80B? W:/YOR/"33NW.03 MI/D.:RFKF80Y/W
 W:/N"L:KF73H B.:)OR:XOTF92Y/W? K.I70Y MI/C.IY.OWN03 T."C"74) TOWRF80H
 W:/D:BAR-Y:HWF73H MI/YRW.\$FLF75IM00? ⁴ W:/\$FPA+03 B."74YN HA/G.OWYI80M
 W:/HOWKI73YXA L:(AM.I74YM RAB.I92YM? W:/KIT.:T63W. XAR:BOWT/F61M
 L:/IT.I81YM WA/X:ANIYTO75WT"Y/HEM03 L:/MAZ:M"RO80WT? LO)-YI&.F63)
 GO70WY)EL-G.OWY03 XE80REB W:/LO)-YIL:M:D71W. (O73WD MIL:XFMF75H00
⁵ B."73YT YA(:AQO92B L:K71W. W:/N"L:KF73H B.:)O71WR Y:HWF75H00? ⁶ K.I74Y
 NF+A81\$:T.FH (AM./:KF03 B."74YT YA(:AQO80B? K.I70Y MFL:)W.03 MI/Q.E80DEM
 W:/O75N:NI73YM K.A/P.:LI\$:T.I92YM? W:/B:/YAL:D"71Y NFK:RI73YM
 YA&:P.I75YQW.00? ⁷ WA/T.IM.FL"70))AR:C/OW03 K.E74SEP W:/ZFHF80B W:/)"71YN
 Q"73CEH L:/OC:ROTF92Y/W? WA/T.IM.FL"70))AR:C/OW03 SW.SI80YM W:/)"71YN
 Q"73CEH L:/MAR.K.:BOTF75Y/W00? ⁸ WA/T.IM.FL"71))AR:C/O73W)ELIYL92YM?
 L:/MA(:A&"70H YFDFY/W03 YI75\$:T.AX:AW80W. LA):A\$E71R (F&73W.
)EC:B.:OTF75Y/W00? ⁹ WA/Y.I\$.A71X)FDF73M WA/Y.I\$:P.AL-)I92Y\$ W:/)AL-T.I&.F73)
 L/FHE75M00? ¹⁰ B.O74W) BA/C.80W.R W:/HI+.FM"73N B.E75/(FPF92R? MI/P.:N"Y03
 P.A74XAD Y:HWF80H W./M"/H:ADA73R G.:)ON/O75W00? ¹¹ ("YN"62Y G.AB:H70W.T
)FDFM03 \$FP"80L W:/A73X R74W.M)ANF\$92YM? W:/NI&:G.A94B Y:HWF91H
 L:/BAD.O73W B.A/Y.O71WM HA/H75W.00 ¹² K.I74Y YO62WM LA/YHWF94H
 C:BF)O91WT? (A71L K.FL-G.)E73H WF/RF92M W:/A73L K.FL-NI&.F71) W:/\$FP"75L00?
¹³ W:/AL03 K.FL-)AR:Z"74Y HA/L.:BFNO80WN HF/RFMI73YM W:/HA/N.I&.F)I92YM?
 W:/A73L K.FL-)AL.OWN"71Y HA/B.F\$F75N00? ¹⁴ W:/A73L K.FL-HE/HFRI74YM
 HF/RFMI92YM W:/A73L K.FL-HA/G.:BF(O71WT HA/N.I&.F)O75WT00? ¹⁵ W:/A73L
 K.FL-MIG:D.F74L G.FBO92HA)1 W:/A73L K.FL-XOWMF71H B:CW.RF75H00? ¹⁶ W:/A73L
 K.FL-)FNIY.O74WT T.AR:\$I92Y\$ W:/A73L K.FL-&:KIY.O71WT HA/XEM:D.F75H00?
¹⁷ W:/\$AX03 G.AB:H74W.T HF/)FDF80M W:/\$FP"73L R74W.M)ANF\$92YM?
 W:/NI&:G.A94B Y:HWF91H L:/BAD.O73W B.A/Y.O71WM HA/H75W.00?
¹⁸ W:/HF):ELIYLI73YM K.FLI71YL YAX:ALO75P00? ¹⁹ W:/BF33)W.03 B.I/M:(FRO74WT
 CURI80YM W:/BI/M:XIL.O73WT (FPF92R? MI/P.:N"62Y P.A70XAD Y:HWFH03
 W./M"/H:ADA74R G.:)OWN/O80W B.:QW.M/O73W LA/(:ARO71C HF)/F75REC00?
²⁰ B.A/Y.O70WM HA/HW.)03 YA\$:LI74YK: HF/)FDF80M 10)"T)ELIYL"74Y KAS:P./O80W
 W:/)"73T)ELIYL"74Y Z:HFB/O92W?)A\$E70R (F75&W.-L/OW03 L:/HI75\$:T.AX:AWO80T
 LA/X:P.O71R P."RO73WT W:/LF/(:A+AL."PI75YM00? ²¹ LF/BOW)03 B.:/NIQ:RO74WT
 HA/C.URI80YM W:/BI/S:(IP"73Y HA/S.:LF(I92YM? MI/P.:N"62Y P.A70XAD Y:HWFH03
 W./M"/H:ADA74R G.:)OWN/O80W B.:QW.M/O73W LA/(:ARO71C HF)/F75REC00?
²² XID:L70W. L/FKEM03 MIN-HF74)/FDF80M)A\$E71R N:\$F75H B.:)AP.O92W?
 K.I75Y-BA/M.E71H NEX:\$F73B H75W.)00 ³ 1 K.IY04 HIN."63H HF/)FDO61WN Y:HWF74H
 C:BF)O81WT M"SI70YR MI/YRW.\$FLA33IM03 W:/MI74/YHW.DF80H? MA\$:(("73N
 W./MA\$:(("NF92H 10K.OL MI\$:(AN-LE80XEM W:/KO73L MI\$:(AN-MF75YIM00?
² G.IB.O73WR W:/)I74Y\$ MIL:XFMF92H \$OWP"71+ W:/NFB173Y) W:/QOS"71M
 W:/ZFQ"75N00? ³ &AR-X:AMIS.I73YM W./N:&74W.) PFNI92YM W:/YOW("91C
 WA/X:AKA71M X:ARF\$173YM W./N:BO71WN LF75XA\$00? ⁴ W:/NFTAT.I71Y
 N:(FRI73YM &FR"Y/HE92M W:/TA(:ALW.LI73YM YIM:\$:LW.-B/F75M00? ⁵ W:/NIG.A74&
 HF/(F80M)I71Y\$ B.:)I73Y\$ W:/)I74Y\$ B.:/R/("92HW.? YIR:H:AB81W. HA/N.A33(AR03
 B.A/Z.FQ"80N W:/HA/N.IQ:LE73H B.A/N.IK:B.F75D00? ⁶ K.I75Y-YIT:P.O63&)I70Y\$
 B.:)FXIY/W03 B."74YT)FBI80Y/W? &IM:LF74H L:/KF80H QFCI73YN
 T.I75H:YEH-L./F92NW. W:/HA/M.AK:\$"LF71H HA/Z.O73)T T.A71XAT YFD/E75KF00?
⁷ YI&.F)04 BA/Y.O63WM HA/H70W.05 L")MOR03? LO)-)EH:YE74H XOB"80\$
 W:/B:/B"YT/I85Y)"71YN LE73XEM W:/)"74YN &IM:LF92H? LO71) T:&IYMU73/NIY
 Q:CI71YN (F75M00? ⁸ K.I70Y KF\$:LFH03 Y:R74W.\$FLA80IM WI/YHW.DF73H NFPF92L?
 K.I75Y-L:\$OWN/F70M W./MA75(AL:L"Y/HEM03)EL-Y:HWF80H LA/M:RO73WT ("N"71Y
 K:BOWD/O75W00? ⁹ HAK.FRA70T P.:N"Y/HEM03 (F74N:TFH B./F80M W:/XA+.F)T/F91M
 K.I/S:DO71M HIG.I73YDW. LO74) KIX"92DW.?)O74WY L:/NAP:\$F80M

GFM:L71W. L/FHE73M RF(F75H00? ¹⁰)IM:R71W. CAD.I73YQ K.IY-+O92WB
K.I75Y-P:RI71Y MA(AL:L"Y/HE73M YO)K"75LW.00? ¹¹)O73WY L:/RF\$F74(RF92(
K.I75Y-G:M71W.L YFDF73Y/W Y"(F71&EH L./O75W00? ¹² (AM./IY03 NOG:&F74Y/W
M:(OWL"80L W:/NF\$I73YM MF74\$:LW. B/O92W? (AM./IY03 M:)A\$:RE74Y/KF
MAT:(I80YM W:/DE71REK:)O75R:XOTE73Y/KF B.IL."75(W.00 ¹³ NIC.F71B LF/RI73YB
Y:HWF92H W:/(OM"73D LF/DI71YN (AM.I75YM00? ¹⁴ Y:HWFH03 B.:MI\$:P.F74+
YFBO80W) (IM-ZIQ:N"71Y (AM./O73W W:/&FRF92Y/W? W:/)AT.EM03 B.I75(AR:T.E74M
HA/K.E80REM G.:Z"LA71T HE75/(FNI73Y B.:BFT."Y/KE75M00? ¹⁵ **L./FKEM03
**M.AH-]aT.:DAK.:)74W. **L./FKEM03 (AM./I80Y T.:DAK.:)74W. W:/P:N"71Y (AM./I80Y
(:ANIY.I73YM W:/P:N"71Y T.I+:XF92NW.? (:ANIY.I73YM N:)UM-T.I+:XF92NW.?)
ADONF71Y N:)UM-Y:HWI73H):ADONF71Y C:BF)O75WT00 Y:HWI73H C:BF)O75WT00
¹⁶ WA/Y.O74)MER Y:HWF81H 10YA(AN K.I70Y GF75B:HW.03 B.:NO74WT CIY.O80WN?
WA/T."LA33K:NFH03 **N:+W.YO74WT G.FRO80WN W.95/M:&AQ.:RO73WT
("YNF92YIM? HFLO70WK: W:/+FPOP03 T."LA80K:NFH W:/B:/RAG:L"Y/HE73M
T.:AK.A75S:NFH00? ¹⁷ W:/&IP.A74X):ADONF80Y QFD:QO73D B.:NO74WT CIY.O92WN
WA/YHWF73H P.FT:/H"71N Y:(FRE75H00 ¹⁸ B.A/Y.O63WM HA/H61W.) YFSI74YR
):ADONF81Y)"74T T.IP:)E94RET HF/(:AKFSI91YM W:/HA/\$.:BIYSI73YM
W:/HA/&.AH:ARONI75YM00? ¹⁹ HA/N.:+IYPO71WT W:/HA/\$."YRO73WT
W:/HF75R:(FLO75WT00 ²⁰ HA/P.:)"RI70YM W:/HA/C.:FDO7T03 W:/HA/Q.I\$.URI80YM?
W:/BFT."71Y HA/N.E73PE\$ W:/HA/L.:XF\$I75YM00 ²¹ HA/+.AB.F(O73WT W:/NIZ:M"71Y
HF)/F75P00 ²² HA/M.A75X:ALFCOWT03? W:/HA/M.A74(A+FO80WT
W:/HA/M.I+:P.FXO73WT W:/HF/X:ARIY+I75YM00 ²³ W:/HA/G.IL:YONIYM03
W:/HA/S.:DIYNI80YM W:/HA/C.:NIYPO73WT? W:/HF/R:DIYDI75YM00? ²⁴ W:/HFYFH04
TA63XAT B.O61&EM MA74Q YI75H:YE81H W:/TA63XAT X:AGOWRF70H NIQ:P.FH03?
W:/TA63XAT MA(:A&E70H MIQ:\$EH03 QFR:XF80H W:/TA71XAT P.:TIYGI73YL
MAX:AGO74RET &F92Q? K.IY-TA73XAT YO75PIY00? ²⁵ M:TA73Y/IK: B.A/XE74REB
YIP.O92LW. W:/G:BW.RFT/"73K: B.A/M.IL:XFMF75H00? ²⁶ W:/)FN71W. W:/)FB:L73W.
P.:TFXE92Y/HF W:/NIQ.F73TFH LF)/F71REC T."\$75B00? ⁴ ¹ W:/HEX:EZYQW.04
SE63BA(NF\$I61YM B.:)I74Y\$)EXF81D B.A/Y.O70WM HA/HW.)03? L"/)MO80R
LAX:M/"74NW. NO)K"80L W:/&IM:LFT/"73NW. NIL:B.F92\$? RA81Q YIQ.FR"70)
\$IM:/KF03 (FL"80Y/NW.):ESO73P XER:P.FT/"75NW.00 ² B.A/Y.O74WM HA/H81W.)
YI75H:YEH03 CE74MAX Y:HWF80H LI/C:BI73Y W:/L:/KFB092WD W:/P:RI70Y
HF)/F33REC03 L:/GF)O74WN? W:/L:/TIP:)E80RET LI/P:L"Y+A73T YI&R:)75L00
³ W:/HFYF74H05 HA/N.I\$:)F74R B.:CIY.O81WN W:/HA/N.OWTFR03
B.I/YR74W.\$FLA80IM? QFDO73W\$ Y")F74MER L/O92W K.FL-HA/K.FT71W.B
LA/XAY.I73YM B.I/YRW.\$FLF75IM00 ⁴)I74M05 RFXA74C):ADONF81Y 10)"T? CO)A74T
B.:NOWT-CIY.O80WN W:/)ET-D.:M"71Y Y:RW.\$FLA73IM YFDI74YXA MI/Q.IR:B./F92H.
B.:/R71W.XA MI\$:P.F73+ W:/B:/R71W.XA? B.F("75R00 ⁵ W:/BFRF74) Y:HWF83H (AL04
K.FL-M:KO63WN HAR-CIY.O61WN W:/AL-MIQ:RF)/E81HF (FNF70N05 YOWMFM03?
W:/F\$F80N W:/NO91GAH.)"71\$ LEHFBF73H LF92Y:LFH K.I71Y (AL-K.FL-K.FBO73WD
XUP.F75H00 ⁶ W:/SUK.F91H T.IH:YE71H? L:/C"L-YOWMF73M M"/XO92REB
W:/L:/MAX:SEH03 W:/L:/MIS:T.O80WR MI/Z.E73REM W:/MI/M.F+F75R00 ⁵)F\$I70YRFH
N.F)03 LI75/YDIYD/I80Y \$IYRA71T D.OWD/I73Y L:/KAR:M/O92W? K.E91REM HFYF71H
LI75/YDIYD/I73Y B.:QE71REN B.EN-\$F75MEN00? ² WA75/Y:(AZ.:Q/"74HW.
WA75/Y:SAQO:80W"81HW. WA/Y.I+.F("33HW.03 &OR"80Q? WA/Y.I70BEN MIG:D.FL03
B.:TOWK/O80W W:/GAM-YE73QEB XFC"74B B./O92W? WA/Y:QA91W LA/(:A&O71WT
(:ANFBI73YM WA/Y.A71(A&B.:)U\$I75YM00? ³ W:/AT.F91H YOW\$"71B Y:RW.\$FLA73IM
W:/)I74Y\$ Y:HW.DF92H? \$IP:+W.-NF85) B."YN/I73Y W:/B"71YN K.AR:M/I75Y00?
⁴ MAH-L.A/(:A&O71WT (OWD03 L:/KAR:M/I80Y W:/LO71) (F&I73YTIY B./O92W?
MAD.94W.(A QIW."91YTIY LA/(:A&O71WT (:ANFBI73YM WA/Y.A71(A&
B.:)U\$I75YM00? ⁵ W:/AT.FH03)OWDI75Y(FH-N.F74))ET:/KE80M)"91T):A\$ER-):ANI71Y
(O&E73H L:/KAR:M/I92Y? HFS"70R M:&W.K.FT/OW03 W:/HFYF74H L:/BF("80R
P.FRO71C G.:D"R/O73W W:/HFYF71H L:/MIR:MF75S00? ⁶ WA/):A\$IYT/"74HW. BFTF81H
LO70) YIZ.FM"R03 W:/LO74) Y"(FD"80R W:/FLF71H \$FMI73YR WF/\$F92YIT? W:/A70L
HE/(FBIYM03):ACAW.E80H M"/HAM:+I71YR (FLF73Y/W MF+F75R00? ⁷ K.I74Y
KE61REM Y:HWF70H C:BF)OWT03 B."74YT YI&:RF)"80L? W:/)I74Y\$ Y:HW.DF80H
N:+A73(\$A/(:A\$W.(F92Y/W? WA/Y:QA70W L:/MIS:P.F+03 W:/HIN."74H MI&:P.F80X

LI/C:DFQF73H W:/HIN."71H C:(FQF75H00 ⁸ HO81WY MAG.IY("71Y BA33YIT03
 B.:/BA80YIT &FDE71H B:/&FDE73H YAQ:RI92YBW.? 10(AD)E74PES MFQO80WM
 W:/H75W.\$AB:T.E71M L:/BAD./:KE73M B.:/QE71REB HF/)F75REC00? ⁹ B.:/FZ:N/F73Y
 Y:HWF74H C:BF)O92WT?)IM-LO62) B.FT.I70YM RAB.IYM03 L:/SAM.F74H YI75H:Y80W.
 G.:DOLI71YM W:/+OWBI73YM M"/)"71YN YOW\$"75B00? ¹⁰ K.I81Y (:A&E33RET03
 CIM:D."Y-KE80REM YA(:A&73W. B.A74T)EXF92T W:/ZE71RA(XO73MER YA(:A&E71H
)"YPF75H00 ¹¹ HO91WY MA\$:K.IYM"71Y BA/B.O73QER \$"KF74R YIR:D.O92PW.?
 M:JAX:AR"74Y BA/N.E80\$EP YA73YIN YAD:LIYQ/"75M00? ¹² W:/HFYF63H KIN.O61WR
 WF/NE81BEL T.O94P W:/XFLI91YL WF/YA73YIN MI\$:T."Y/HE92M? W:/)"63T P.O70(AL
 Y:HWFH03 LO74) YAB.I80Y+W. W:/MA(:A&"71H YFDF73Y/W LO71) RF)75W.00?
¹³ LF/K"91N G.FLF71H (AM./I73Y MI/B.:LIY-DF92(AT? W:/K:BOWD/OW03 M:T"74Y
 RF(F80B WA/H:AMOWN/O73W CIX"71H CFMF75)00? ¹⁴ LF/K"81N HIR:XI70YBFH
 \$.:)OWL03 NAP:\$F80H. W:/PF(:ARF71H PI73Y/HF LI/B:LIY-XO92Q? W:/YFRA63D
 H:ADFR/F94H. WA/H:AMOWN/F91H. W:/\$.:)OWN/F73H. W:/ (FL"71Z B./F75H.00?
¹⁵ WA/Y.I\$.A71X)FDF73M WA/Y.I\$.P.AL-)I92Y\$ W:/ ("YN"71Y G:BOHI73YM
 T.I\$:P.A75L:NFH00? ¹⁶ WA/Y.IG:B.A91H)1 Y:HWF71H C:BF)O73WT B.A/M.I\$:P.F92+
 W:/HF/) "L03 HA/Q.FDO80W\$ NIQ:D.F73\$ B.I/C:DFQF75H00? ¹⁷ W:/RF(71W. K:BF&I73YM
 K.:/DFB:R/F92M W:/XFR:BO71WT M"XI73YM G.FRI71YM YO)K"75LW.00? ¹⁸ HO91WY
 MO\$:K"71Y HE75/(FWO73N B.:/XAB:L"74Y HA/\$.F92W:) W:/KA/(:ABO71WT
 HF/(:AGFLF73H XA+.F)F75H00? ¹⁹ HF/)OM:RI81YM Y:MAH"94R05 YFXI91Y\$FH
 MA(:A&"73HW. L:MA74(AN NIR:)E92H? W:/TIQ:RA74B W:/TFBO81W)FH (:ACA91T
 Q:DO71W\$ YI&:RF)"73L W:/N"DF75(FH00 ²⁰ HO74WY HF/)OM:RI71YM LF/RA91(
 +O73WB W:/LA/+.O74WB RF92(? &FMI63YM XO70\$EK: L:/)OWR03 W:/)O74WR
 L:/XO80\$EK:? &FMI71YM MA91R L:/MFTO73WQ W:/MFTO71WQ L:/MF75R00
²¹ HO73WY X:AKFMI74YM B.:/ ("75YN"Y/HE92M W:/NE71GED P.:N"Y/HE73M
 N:BONI75YM00? ²² HO85WY G.IB.OWRI73YM LI/\$:T.O74WT YF92YIN
 W:/)AN:\$"Y-XA73YIL LI/M:SO71K: \$"KF75R00? ²³ MAC:D.IYQ"71Y RF\$F73(("74QEB
 \$O92XAD W:/CID:QA71T CAD.IYQI73YM YFSI71YRW. MI/M./E75N.W.00 ²⁴ LF/K"NO4
 K.E/):EKO63L QA61\$ L:\$O74WN)"81\$ WA/X:A\$A70\$ LE75HFBFH03 YIR:P.E80H?
 \$FR:\$/FM03 K.A/M.F74Q YI75H:YE80H W:/PIR:X/F73M K.F/)FBF74Q YA(:ALE92H?
 K.I74Y MF):AS81W. 10)"T T.OWRAT03 Y:HWF74H C:BF)O80WT W:/)"91T)IM:RA71T
 Q:DO75W\$-YI&:RF)"73L? NI)"75CW.00? ²⁵ (AL-K."83N XFRFH04)AP-Y:HWF63H
 B.:/ (AM./O61W WA/Y."74+ YFD/O94W (FLF74Y/W WA/Y.AK./"81HW.?
 WA75/Y.IR.G.:ZW.03 HE75/HFRI80YM WA/T.:HI94Y NIB:LFT/F91M K.A/S.W.XF73H
 B.:/QE74REB XW.CO92WT? B.:/KFL-ZO)T03 LO)-\$F74B)AP./O80W W:/ (O73WD
 YFD/O71W N:+W.YF75H00? ²⁶ W:/NF75&F)-N"70S LA/G.OWYIM03 M"/RFXO80WQ
 W:/\$F71RAQ L/O73W MI/Q:C"74H HF/)F92REC? W:/HIN."71H M:H"RF73H QA71L
 YFBO75W)00? ²⁷)"YN-(FY"70P W:/)"YN-K.OW\$"L03 B./O80W LO71) YFN73W.M W:/LO74)
 YIY\$F92N? W:/LO70) NIP:T.AX03)"ZO74WR X:ALFCF80Y/W W:/LO71) NIT.A73Q
 &:RO71WK: N:(FLF75Y/W00? ²⁸):A\$E70R XIC.FY/W03 \$.:NW.NI80YM
 W:/KFL-QA\$.:TOTF73Y/W D.:RUKO92WT? P.AR:SO70WT SW.SFY/W03 K.A/C.A74R
 NEX:\$F80BW. W:/GAL:G.IL.F73Y/W K.A/S.W.PF75H00? ²⁹ \$):FGF71H L/O73W
 K.A/L.FBI92Y) **YI\$:)A63G K.A/K.:PIYRI70YM? W:/YIN:HOM03 W:/YO)X"74Z +E80REP
 W:/YAP:LI73Y+ W:/)"71YN MAC.I75YL00? ³⁰ W:/YIN:HO71M (FLF91Y/W B.A/Y.O71WM
 HA/H73W.) K:/NAH:AMAT-YF92M? W:/NIB.A70+ LF/)F33REC03 W:/HIN."H-XO80\$EK:
 CA74R W/)O80WR XF\$A73K: B.A/(:ARIYPE75Y/HF00 **6** ¹ B.I:\$NAT-MOWT03
 HA/M.E74LEK: (UZ.IY.F80HW. WF/)ER:)E94H)ET-):ADONF91Y YO\$"71B (AL-K.IS."73)
 RF74M? W:/NI&.F92) W:/\$.W.LF73Y/W M:L")I71YM)ET-HA/H"YKF75L00 ² &:RFPI63YM
 (OM:DI70YM05 MI/M.A33(AL03 L/O80W \$"94\$? K.:NFPA91YIM \$"71\$ K.:NFPA73YIM
 L:/)EXF92D B.I/\$:T.A74YIM05 Y:KAS.E74H PFNF81Y/W W:/BI/\$:T.A91YIM Y:KAS.E71H
 RAG:LF73Y/W? W:/BI/\$:T.A71YIM Y:(OWP"75P00 ³ W:/QFRF63) ZE70H)EL-ZEH03
 W:/)FMA80R? QFDO94W\$05 QFDO91W\$ QFDO73W\$ Y:HWF74H C:BF)O92WT M:LO71)
 KFL-HF/)F73REC K.:BOWD/O75W00? ⁴ WA/Y.FNU33(W.03)AM.O74WT HA/S.IP.I80YM
 MI/Q.O73WL HA/Q.OWR"92) W:/HA/B.A73YIT YIM.FL"71) (F\$F75N00 ⁵ WF/)OMA62R?
)O75WY-L/I74Y KI75Y-NID:M"81YTIY K.I74Y)I70Y\$ +:M"75)-&:PFTA33YIM03
)FNO80KIY? W:/B:/TOWK:03 (AM-+:M"74) &:PFTA80YIM)FNOKI73Y YOW\$"92B?
 K.I81Y)ET-HA/M.E91LEK: Y:HWF71H C:BF)O73WT RF)71W. ("YN/F75Y00?

WA/Y.F74(FP)L/A81Y)EXFD03 MIN-HA/&.:RFPI80YM W./B:/YFD/O73W RIC:P.F92H
 B.:/ME63L:QAXA80YIM LFQA73X M"/(A71L? HA/M.IZ:B."75XA00 7 WA/Y.AG.A74(
 (AL-P./I80Y WA/Y.O85)MER? HIN."91H NFGA71(ZE73H (AL-&:PFTE92Y/KF W:/SF74R
 (:AWON/E80KF W:/XA+.F)T:/KF73 T.:KUP.F75R00? 8 WF/)E\$:MA62()ET-QO70WL
):ADON/FY03)OM"80R)ET-MI71Y)E\$:LA73X W./MI74Y Y"75LEK:-L/F92NW.?
 WF/)OMA73R HIN:/NI71Y \$:LFX/"75NIY00 9 WA/Y.O85)MER L"71K: W:/)FMAR:T.F73
 LF/(F74M HA/Z.E92H? \$IM:(70W. \$FMO33W(A03 W:/)AL-T.FBI80YNW. W./R:)71W.
 RF)O73W W:/)AL-T."DF75(W.00? 10 HA\$:M"N03 L"B-HF/(F74M HA/Z.E80H
 W:/)FZ:N71Y/W HAK:B."73D W:/("YNF74Y/W HF\$A92(? P.EN-YIR:)E63H
 B:/("YNF61Y/W W./B:/)FZ:N74Y/W YI\$:MF81(W./L:BFB/O71W YFBI91YN WF/\$F73B
 W:/RF71PF) L/O75W00? 11 WF/)OMA85R (AD-MFTA73Y):ADONF92Y WA/Y.O83)MER?
 (A74D):A\$ER04)IM-\$F)63W. (FRI61YM M"/)"74YN YOW\$"81B? W./BFT.IYM03
 M"/)"74YN)FDF80M W:/HF):ADFMF73H T.I.\$F)E71H \$:MFMF75H00 12 W:/RIXA71Q
 Y:HWF73H)ET-HF)FDF92M W:/RAB.F71H HF/(:AZW.BF73H B.:/QE71REB
 HF)/F75REC00? 13 W:/("O71WD B./FH.03 (:A&I74RIY.F80H W:/SF73BFH W:/HFY:TF74H
 L:/BF("92R? K.F)/"LF74H W:/KF)AL.O81WN):A\$E70R B.:/SAL.E33KET03 MAC.E74BET
 B./F80M? ZE71RA(QO73DE\$ MAC.AB:T./F75H.00 7 1 WA/Y:HI83Y B./YM"74Y 14)FXFZ
 B.EN-YOWTF63M B.EN-(UZ.IY.F61HW. ME74LEK: Y:HW.DF81H (FLF74H R:CI74YN
 ME75LEK:-?14):ARFM W./PE63QAX B.EN-R:MAL:YF70HW. ME75LEK:-YI&:RF)"L03
 Y:R74W.\$FLA80IM LA/M.IL:XFMF73H (FLE92Y/HF W:/LO71)? YFKO73L L:/HIL.FX"71M
 (FLE75Y/HF00 2 WA/Y.UG.A81D L:/B"70YT D.FWID03 L"/)MO80R NF71XF75H):ARF73M
 (AL-)EP:RF92YIM? WA/Y.F70NA(L:BFB/OW03 W./L:BA74B (AM./O80W K.:/NO71W(A
 (:AC"Y-YA73(AR MI/P.:N"Y-R75W.XA00 3 WA/Y.O74)MER Y:HWFH02?
)E75L-Y:\$A(:YFHW.01 C")-NF)03 LI/Q:RA74)T)FXF80Z)AT.F85H W./\$:F73R YF\$74W.B
 B.:N/E92KF)EL-Q:C"81H? T.:FLAT03 HA/B.:R"KF74H HF/(EL:YOWNF80H
)EL-M:SIL.A73T &:D"71H KOWB"75S00 4 W:/)FMAR:T.F74 14)"LFY/W? HI\$.FM"63R
 W:/HAS:Q"61+)AL-T.IYRF81) W./L:BFB/:KF03)AL-Y"RA80K: MI/\$.:N"63Y ZAN:BO94WT
 HF)W.DI91YM? HF/(:A\$ "NI73YM HF/)"92L.EH B.F/X:FRIY-)A91P R:CI71YN
 WA):ARF73M W./BEN-R:MAL:YF75HW.00 5 YA81(AN K.I75Y-YF(A71C? (FLE91Y/KF
):ARF73M RF(F92H)EP:RA71YIM W./BEN-R:MAL:YF73HW. L"/)MO75R00 6 NA(:ALE70H
 BI75/YHW.DFH03? W./N:QIYC/E80N.FH W:/NAB:QI/(E73N.FH)"L"92Y/NW.
 W:/NAM:LI71YK: ME33LEK:03 B.:/TOWK/F80H.)"73T B.EN+75B:)A75L00 7 K.O71H
)FMA73R):ADONF74Y Y:HWI92H LO71) TFQ73W.M W:/LO71) TI75H:YE75H00? 8 K.I74Y
 RO70)\$):ARFM03 D.AM.E80&EQ W:/RO71)\$ D.AM.E73&EQ R:CI92YN? W./B:/("O81WD
 SI\$.I70YM W:/XFM"\$03 \$FNF80H Y"XA71T)EP:RA73YIM M"/(F75M00? 9 W:/RO70)\$
)EP:RA33YIM03 \$OM:RO80WN W:/RO71)\$ \$OM:RO73WN B.EN-R:MAL:YF92HW.? 10)IM
 LO74) TA):AMI80YNW. K.I73Y LO71) T")FM"75NW.00 10 WA/Y.O74WSEP Y:HWF80H
 D.AB."71R)EL-)FXF73Z L"/)MO75R00 11 \$):AL-L:/KF74)O80WT M"/(I73M Y:HWF74H?
):ELOHE92Y/KF HA:(M"74Q \$):F80LFH)O73W HAG:B."71H.A L:/MF75:(L/FH00
 12 WA/Y.O73)MER)FXF92Z LO-)E\$):A71L? W:/LO75)-):ANAS.E73H)ET-Y:HWF75H00
 13 WA/Y.O85)MER \$IM:(W.-NF73) B."74YT D.FWI92D HA/M:(A70+ MI/K.EM03?
 HAL:)O74WT):ANF\$180YM K.I71Y TAL:)73W. G.A71M)ET-):ELOH/F75Y00 14 14LF/K"N
 YIT."63N):ADONF71Y H91W.) L/FKE73M?)O92WT HIN."74H HF/(AL:MF81H HFRFH03
 W:/YOLE74DET B."80N W:/QFRF71)T \$:M/O73W (IM./F71NW.)"75L00 15 XEM:)F71H?
 W./D:BA73\$ YO)K"92L L:/DA(:T./O91W MF)O71WS B.F/RF73(W./BFXO71WR
 B.A/+O75WB00 16 14K.IY B.:+E63REM Y"DA71(?) HA/N.A91(AR MF)O71S B.F/RF73(
 W./BFXO74R B.A/+O92WB T."(FZ"70B HF):ADFMFH03):A\$E74R)AT.F74H QF80C
 MI/P.:N"73Y? \$:N"71Y M:LFKE75Y/HF00 17 YFBI63Y) Y:HWF61H (FLE81Y/KF
 W:/("A75L-(AM./:KF02 W:/("AL-B."74YT)FBIY/KF01 YFMIYM03):A\$E74R? LO)-BF80)W.
 L:/MI/Y.O71WM SW.R-)EP:RA73YIM M"/(A74L Y:HW.DF92H)"73T ME71LEK:
)A\$.75W.R00 18 W:/HFYF74H05 B.A/Y.O74WM HA/H81W.)? YI\$:RO70Q Y:HWFH03
 LA/Z.:B80W.B):A\$E71R B./I/Q:C"73H Y:)OR"74Y MIC:RF92YIM? W:/LA63/D.:BOWRF80H
):A\$E73R B.:/E71REC)A\$.75W.R00 19 W./BF63)W. W:/NFX70W. KUL./FM03
 B.:/NAX:AL"74Y HA/B.AT.O80WT W./BI/N:QIYQ"73Y HA/S.:LF(I92YM? W./B:/KOL03
 HA/N.A74(:ACW.CI80YM W./B:/KO73L HA/N.AH:ALOLI75YM00? 20 B.A/Y.O74WM
 HA/H83W.) Y:GAL.A74X):ADONFY04 B.:/TA63(AR HA/&.:KIYRF61H B.:/("EB:R"70Y
 NFHFR03 B.:/ME74LEK:?) A\$.80W.R?)ET-HF/RO73)\$ W:/&A74(AR HF/RAG:LF92YIM)J3

W:/GA71M)ET-HA/Z.FQF73N T.IS:P.E75H00 ²¹ W:/HFYF73H B.A/Y.O74WM HA/H92W.)
Y:XAY.EH-)I91Y\$ (EG:LA71T B.FQF73R W./\$.T."Y-CO75)N00? ²² W:/HFYF81H M"/RO91B
(:A&O71WT XFLF73B YO)KA74L XEM:)F92H? K.I75Y-XEM:)F70H W./D:BA\$03
YO)K"80L K.FL-HA/N.OWTF73R B.:/QE71REB HF/)F75REC00? ²³ W:/HFYFH03
B.A/Y.O74WM HA/H80W.)? YI75H:YE74H KFL-MFQQ081WM):A\$E94R
YI75H:YE74H\$F91M)E71LEP G.E73PEN B.:/E74LEP K.F92SEP? LA\$.FMI71YR
W:/LA/\$.A73YIT YI75H:YE75H00? ²⁴ B.A/XIC.I71YM W./BA/Q.E73\$ET YF74BOW)
\$F92M./FH K.IY-\$FMI71YR WF/\$A73YIT T.I75H:YE71H KFL-HF/)F75REC00? ²⁵ W:/KO74L
HE/HFRI81YM):A\$E70R B.A/M.A(:D."R03 Y"(F74D"R80W.N LO75)-TFBO74W) \$F80M./FH
YIR:)A73T \$FMI74YR? WF/\$F92YIT? W:/HFYFH03 L:/MIS:LA74X \$O80WR
W./L:/MIR:MA73S &E75H00 **8** ¹ WA/Y.O70)MER Y:HWFH03)"L/A80Y QAX-L:KF73
G.IL.FYO74WN G.FDO92WL W./K:TO70B (FLFY/W03 B.:/XE74RE+):ENO80W\$?
L:/MAH"71R \$FLF73L XF71\$ B.A75Z00 ² W:/)F(I74YDFH L:/I80Y ("DI73YM
NE):EMFNI92YM 10)"T)W.RIY.F74H HA/K.OH"80N? W:/)ET-Z:KAR:YF73HW. B.E71N
Y:BEREK:YF75HW.00 ³ WF/)EQ:RAB03)EL-HA/N.:BIY)F80H WA/T.A73HAR
WA/T."74LED? B."92N WA/Y.O70)MER Y:HWFH03)"L/A80Y Q:RF74) \$:M/O80W
MAH"71R \$FLF73L XF71\$ B.A75Z00 ⁴ K.I81Y B.:/+E33REM03? Y"DA74(HA/N.A80(AR
Q:RO73))FB/I74Y W:/)IM./I92Y YI&F74)05)ET-X"74YL D.AM.E81&EQ W:/)"T03 \$:LA74L
\$OM:RO80WN? LI/P:N"73Y ME71LEK:)A\$.75W.R00 ⁵ WA/Y.O74SEP Y:HWF80H
D.AB."71R)"L/A91Y (O73WD L"/)MO75R00? ⁶ YA81(AN K.I70Y MF)AS03 HF/(F74M
HA/Z.E80H 10)"T M"74Y HA/\$.ILO80XA HA/HOL:KI73YM L:/)A92+ W./M:&O71W&?
)ET-R:CI73YN W./BEN-R:MAL:YF75HW.00? ⁷ W:/LF/K"83N HIN."74H):ADONFY04
MA(:ALE63H (:AL"Y/HE61M)ET-M"74Y HA/N.FHF81R HF/(:ACW.MIYM03
W:/HF74/RAB.I80YM?)ET-ME71LEK:)A\$.73W.R W:/)ET-K.FL-K.:BOWD/O92W?
W:/(FLFH03 (AL-K.FL-):APIYQF80Y/W W:/HFLA73K: (AL-K.FL-G.:DOWTF75Y/W00?
⁸ W:/XFLA70P B.I75/YHW.DFH03 \$F+A74P W:/)FBA80R (AD-CAW.F73)R YAG.I92Y(A?
W:/HFYFH03 MU+.O74WT K.:NFPF80Y/W M:LO71) RO75XAB-)AR:C:/KF73 (IM./F71NW.
)"75L00 ⁹ RO70(W. (AM.IYM03 WF/XO80T.W. W:/HA75):AZI80YNW. K.O73L
MER:XAAQ."Y-)F92REC? HIT:)AZ.:R74W. WF/XO80T.W. HI75T:AZ.:R73W.
WF/XO75T.W.00? ¹⁰ (U71CW. ("CF73H W:/TUPF92R D.AB.:R70W. DFBFR03 W:/LO74)
YFQ80W.M? K.I71Y (IM./F73NW.)"75L00 ¹¹ K.IY04 KO63H)FMA94R Y:HWF91H)"L/A73Y
K.:/XEZ:QA74T HA/Y.F92D W:/YIS.:R/"85NIY MI/L.E91KET B.:/DE71REK:
HF75/(FM-?HA/Z.E73H L"/)MO75R00? ¹² LO)-TO)M:R74W.N QE80\$ER L:/KO94L
):A\$ER-YO)MA91R HF/(F71M HA/Z.E73H QF92\$ER? W:/)ET-MOWRF/O71W
LO75)-TI75YR:)73W. W:/LO71) TA(:ARI75YCW.00? ¹³)ET-Y:HWF71H C:BF)O73WT
)OT/O74W TAQ:D.I92Y\$W. W:/H71W.) MOWRA):AKE73M W:/H71W.)
MA95(:ARI75C:/KE75M00? ¹⁴ W:/HFYF73H L:/MIQ:D.F92\$ W./L:/)E74BEN 14NEGEP
W./L:/C63W.R MIK:\$O61WL? LI/\$:N"63Y BFT."70Y YI&:RF)"L03 L:/PA74X
W./L:/MOWQ"80\$ L:/YOW\$"73B Y:RW.\$FLF75IM00? ¹⁵ W:/KF71\$:LW. B/F73M
RAB.I92YM W:/NFP:L74W. W:/NIS:B.F80RW. W:/NOWQ:\$73W. W:/NIL:K.F75DW.00
¹⁶ CO73WR T:(W.DF92H X:ATO71WM T.OWR73H B.:/LIM.UD/F75Y00?
¹⁷ W:/XIK.I33YTIY03 W:/XIK.I33YTIY03 LA/YHWF80H LA/YHWF80H HA/M.AS:T.I71YR
HA/M.AS:T.I71YR P.FNF73Y/W P.FNF73Y/W MI/B."74YT MI/B."74YT YA(:AQO92B
YA(:AQO92B W:/QIW."73YTI75Y-W:/QIW."73YTI75Y-L/O75W L/O75W00? 00? ¹⁸ HIN."74H
)FNOKI81Y W:/HA/Y:LFDIYM03):A\$E74R NF75TAN-L/I74Y Y:HWF80H L:/)OTO71WT
W./L:/MOWP:TI73YM? B.:/YI&:RF)"92L? M"(IM03 Y:HWF74H C:)BFO)O80WT
HA/\$.OK"73N B.:/HA71R CIY.O75WN00 ¹⁹ W:/KI75Y-YO)M:R74W.):AL"Y/KE81M
D.IR:\$70W.)EL-HF/)OBOWT03 W:/)EL-HA/Y.ID:.(ONI80YM HA75/M:CAP:C:PI73YM?
W:/HA/M.AH:G.I92YM H:A/LOW)-(AM03)EL-):ELOHF74Y/W YID:RO80\$ B.:/A71D
HA/XAY.I73YM)EL-HA/M."TI75YM00? ²⁰ L:/TOWRF73H W:/LI/T:(W.DF92H)IM-LO70)
YO75)M:RW.03 K.A/D.FBF74R HA/Z.E80H):A\$E71R)"75YN-L/O73W \$F75XAR00?
²¹ W:/)F71BAR B.F73H. NIQ:\$E74H W:/RF("92B W:/HFYF63H KI75Y-YIR:(A61B
W:/HIT:QAC.A81P? W:/QIL."94L B.:/MAL:K./O91W W./B"/)LOHF73Y/W W./PFNF71H
L:/MF75(:L/FH00 ²² W:/)EL-)E73REC YAB.I92Y+? W:/HIN."63H CFRF70H WA/X:A\$"KFH03
M:(74W.P CW.QF80H WA):AP"LF73H M:NUD.F75X00 ²³ K.I74Y LO74) MW.(FP02
LA):A\$E74R MW.CF74Q L/FH.01? K.F/("74T HF/RI)\$O81WN H"QA62L?)A70R:C/FH
Z:BULW.N03 W:/)A74R:C/FH NAP:T.FLI80Y? W:/HF/)AX:ARO73WN HIK:B.I92YD

D.E70REK: HA/Y.FM03? ("74BER HA/Y.AR:D."80N G.:LI73YL HA/G.OWYI75M00?
9 ₁ HF/(FM03 HA/HOL:KI74YM B.A/XO80\$EK: RF)73W.)O74WR G.FDO92WL?
 YO\$:B"Y03 B.:/E74REC CAL:MF80WET)O73WR NFGA71H. (:AL"Y/HE75M00?
₂ HIR:B.I74YTF HA/G.O80WY **L/O73W HIG:D.A74L:T.F HA/&.IM:XF92H? &FM:X70W.
 L:/PFNE33Y/KF03 K.:&IM:XA74T B.A/Q.FCI80YR? K.A):A\$E71R YFGI73YLV.
 B.:XAL.:Q/F71M \$FLF75L00? ₃ K.I74Y05)ET-(O74L SUB.:FL/O81W W:/"T03 MA+."74H
 \$IK:M/O80W? \$"73BE+ HA/N.OG"74& B./O92W HAXIT.O73TF K.:YO71WM
 MID:YF75N00? ₄ K.I70Y KFL-S:)OWN03 SO)"74N B.:RA80(A\$? W:/&IM:LF73H
 M:GOWLFLF74H B:/DFMI92YM? W:/HFY:TF71H LI/&:R"PF73H MA):AKO71LET)"75\$00?
₅ K.IY-YE74LED YUL.AD-L/F81NW. 10B."N NIT.AN-L/F80NW.? WA/T.:HI71Y
 HA/M.I&:RF73H (AL-\$IK:M/O92W? WA/Y.IQ:RF63) \$:M/O61W 14P.ELE) YOW("C03?
)"74L G.IB.O80WR):ABIY(A73D? &AR-\$FLO75WM00? ₆ **L:/MAR:B."63HJM
 HA/M.I&:RF61H W./L:/\$FLO74WM)"75YN-Q"81C? (AL-K.IS."70) DFWID03
 W:/AL-MAM:LAK:T./O80W? L:/HFKI70YN)OT/FH.03 W.95/L:/SA(:AD/F80H.?
 B.:MI\$:P.F73+ W./BI/C:DFQF92H M"/(AT.FH03 W:/(AD-(OWLF80M? QIN:)A91T
 Y:HWF71H C:BF)O73WT T.A:(A&EH-Z.O75)T00 ₇ D.FBF91R \$FLA71X):ADONF73Y
 B.:YA(:AQO92B W:/NFPA73L B.:/YI&:RF)"75L00? ₈ W:/YFD:(W.03 HF/(F74M K.UL./O80W
)EP:RA73YIM W:/YOW\$"74B \$OM:RO92WN? B.:/GA):AWF91H W./B:/GO71DEL L"BF73B
 L"/)MO75R00? ₉ L:B"NI71YM NFPF73LW. W:/GFZI74YT NIB:NE92H \$IQ:MI74YM
 G.UD.F80(W. WA):ARFZI73YM NAX:ALI75YP00? ₁₀ WA/Y:&AG."94B Y:HWF91H
)ET-CFR"71Y R:CI73YN (FLF92Y/W W:)/ET-)OY:BF73Y/W Y:SAK:S"75K:00? ₁₁):ARF74M
 MI/Q.E81DEM W./P.LI\$:T.IYM03 M"75)FXO80WR WA/Y.O)K:L71W.)ET-YI&:RF)"73L
 B.:KFL-P.E92H? B.:/KFL-ZO)T03 LO)-\$F74B)AP./O80W W:/(O73WD YFD/O71W
 N:+W.YF75H00? ₁₂ W:/HF/(F71M LO)-\$F73B (AD-HA/M.AK./"92HW. W:)/ET-Y:HWF71H
 C:BF)O73WT LO71) DFRF75\$W.00 ₁₃ WA/Y.AK:R"63T Y:HWF61H MI/Y.I&:RF)"81L
 RO94)\$ W:/ZFNF91B K.IP.F71H W:)/AG:MO73WN YO71WM)EXF75D00? ₁₄ ZFQ"71N
 W./N:&W.)-PFNI73YM H74W.) HF/RO92)\$ W:/NFB171Y) MO75WREH-\$E73QER H71W.)
 HA/Z.FNF75B00? ₁₅ WA/Y.I75H:Y91W. M:)A\$.R"71Y HF75/(FM-HA/Z.E73H MAT:(I92YM
 W./M:)U\$.FRF73Y/W M:BUL.F(I75YM00? ₁₆ (AL-K."63N (AL-B.AXW.RF61Y/W
 LO75)-YI&:MA74X05):ADONF81Y W:)/ET-Y:TOMF70Y/W W:)/ET-)AL:M:NOTFY/W03?
 LO74) Y:RAX"80M? K.I70Y KUL./OW03 XFN"74P W./M"RA80(W:/KFL-P.E73H D.OB"74R
 N:BFLF92H? B.:/KFL-ZO)T03 LO)-\$F74B)AP./O80W W:/(O73WD YFD/O71W
 N:+W.YF75H00? ₁₇ K.I75Y-BF(:ARF70H KF)/"S03 RI\$: (F80H \$FMI71YR WF/\$A73YIT
 T.O)K"92L? WA/T.IC.AT03 B.:/SI75B:K"74Y HA/Y.A80(AR WA/Y.I75T:)AB.:K73W.
 G.")71W.T (F\$F75N00? ₁₈ B.:/EB:RA91T Y:HWF71H C:BF)O73WT NE(:T.A74M)F92REC
 WA/Y:HI70Y HF/(FM03 K.:/MA):AKO74LET)"80\$?)I71Y\$)EL-)FXI73Y/W LO71)
 YAX:MO75LW.00? ₁₉ WA/Y.IG:ZO70R (AL-YFMIYN03 W:/RF("80B WA/Y.O71)KAL
 (AL-&:MO73)WL W:/LO74) &FB"92(W.?)I71Y\$ B.:&AR-Z:RO(/O73W YO)K"75LW.00?
₂₀ M:NA\$.E74H)ET-)EP:RA81YIM W:)/EP:RA33YIM03)ET-M:NA\$.E80H YAX:D.F71W
 H"73M.FH (AL-Y:HW.DF92H? B.:/KFL-ZO)T03 LO)-\$F74B)AP./O80W W:/(O73WD
 YFD/O71W N:+W.YF75H00 **10** ₁ HO71WY HA/XO75Q:QI73YM XIQ:Q"Y-)F92WEN
 W.95/M:KAT.:BI71YM (FMF73L K.IT."75BW.00? ₂ L:/HA+.O70WT MI/D.IYN03
 D.AL.I80YM W:/LI/G:ZO85L MI\$:P.A73+ (:ANIY."74Y (AM./I92Y? LI/H:YO70WT
)AL:MFNOWT03 \$:LFL/F80M W:)/ET-Y:TOWMI73YM YFBO75Z.W.00?
₃ W./MA75H-T.A:(A&W.O3 L:/YO74WM P.:QUD.F80H W./L:/SOW)F73H MI/M.ER:XBF74Q
 T.FBO92W)? (AL-MIY03 T.FN74W.SW. L:(EZ:RF80H W:)/F71N/FH TA(AZ:B73W.
 K.:BOWD/KE75M00? ₄ B.I.L:T.I70Y KFRA(03 T.A74XAT)AS.I80YR W:/TA71XAT
 H:ARW.GI73YM YIP.O92LW.? B.:/KFL-ZO)T03 LO)-\$F74B)AP./O80W W:/(O73WD
 YFD/O71W N:+W.YF75H00 ₅ HO71WY)A\$.73W.R \$"74BE+)AP./I92Y W./MA+.EH-H71W.)
 B:/YFD/F73M ZA(:M/I75Y00? ₆ B.:/GO70WY XFN"P03):A\$AL.:X/E80N.W. W:/(AL-(A71M
 (EB:RFT/I73Y):ACAW./E92N.W.? LI/\$.LO70L \$FLFL03 W:/LF/BO74Z B.A80Z
 **W./L:/&W.M/O71W MIR:MF73S K.:/XO71MER XW.CO75WT00? ₇ W:/HW.)03 LO)-K"74N
 Y:DAM.E80H W./L:BFB/O73W LO)-K"74N YAX:\$O92B? ₁₀K.IY L:/HA\$:MI74YD
 B./L:BFB/O80W W./L:/HAK:RI71YT G.OWYI73M LO71) M:(F75+00 ₈ K.I73Y YO)MA92R?
 H:A/LO71) &FR/A91Y YAX:D.F73W M:LFI75YM00 ₉ H:A/LO71) K.:/KAR:K.:MI73Y\$
 K.AL:NO92W?)IM-LO70) K:/AR:P.AD03 X:AMF80T)IM-LO71) K:/DAM.E73&EQ
 SOM:RO75WN00? ₁₀ K.A):A\$ER03 MFC:)F74H YFD/I80Y L:/MAM:L.KO73T

HF/):ELI92YL? W./P:SI74YL"Y/HE80M MI/YR75W.\$FLA73IM W./MI/\$.OM:RO75WN00?
¹¹ H:A/LO81) K.A/):A\$E71R (F&I91YTIY L:/SOM:RO73WN W:/LE/):ELIYLE92Y/HF? K."91N
)E(:E&E71H LI/YRW.\$FLA73IM W:/LA/(:ACAB.E75Y/HF00 ¹² W:/HFYF81H
 K.I75Y-Y:BAC.A70():ADONFY03)ET-K.FL-MA95(:A&/"80HW. B.:HA71R CIY.O73WN
 W./BI/YRW.\$FLF92IM)EP:QO81D? (AL-P.:RIY-GO33DEL03 L:BA74B
 ME75LEK:-)A\$.80W.R W:/AL-T.IP:):E73RET R71W.M ("YNF75Y/W00 ¹³ K.I74Y)FMA81R?
 B.:KO70XA YFD/IY03 (F&I80YTIY W:/B:/XFK:MFT/I73Y K.I74Y N:BUNO92WTIY?
 W:/)FSI74YR05 G.:BW.LO74T (AM.I81YM **WA/(:ATW.DO75WT"Y/HEM03
 \$OW&"80TIY? W:/)OWRI71YD K.A)B.I73YR YOW\$:BI75YM00? ¹⁴ WA/T.IM:CF63)
 KA/Q."70N05 YFD/IY03 L:/X"74YL HF75/(AM.I80YM? W:/KE/):ESOP03 B."YCI74YM
 (:AZUBO80WT K.FL-HF/)F73REC):ANI74Y)FSF92P:T.IY? W:/LO70) HFYFH03 NOD"74D
 K.FNF80P W./POCE71H PE73H W:/M:CAP:C"75P00? ¹⁵ H:A/YIT:P.F)"R03 HA/G.AR:ZE80N
 (A73L HA/XOC"74B B./O92W)IM-YIT:G.AD."70L HA/M.A&.OWR03 (AL-M:NIYP/O80W?
 K.:HFNI71YP \$"33BE+03 W:/)ET-M:RIYMF80Y/W K.:HFRI71YM MA+.E73H
 LO)-("75C00? ¹⁶ 14LF/K"N Y:\$AL.A63X HF/)FDO61WN Y:HWF94H C:BF)O91WT
 B.:MIS:MAN.F73Y/W RFZO92WN? W:/TA94XAT K.:BOD/O91W Y"QA71D Y:QO73D
 K.I/YQO71WD)"75\$00? ¹⁷ W:/HFYF70H)O75WR-YI&:RF)"L03 L:/)"80\$ W:/Q:DOW\$/O73W
 L:/LEHFBF92H? W:/BF(:ARF81H W:/)F75K:LF91H \$IYT/O71W W:/\$.MIYR/O73W
 B.:YO71WM)EXF75D00? ¹⁸ W:/K:BO70WD YA(:R/OW03 W:/KAR:MIL./O80W
 MI/N.E71PE\$ W:/AD-B.F&F73R Y:KAL.E92H? W:/HFYF73H K.I/M:SO71S NOS"75S00?
¹⁹ W:/)\$:F71R ("91C YA(:R/O73W MIS:P.F74R YI75H:Y92W. W:/NA73(AR YIK:T.:B/"75M00
²⁰ W:/HFYF74H05 B.A/Y.O74WM HA/H81W.) LO75)-YOWSI63YP (O61WD \$:)F70R
 YI&:RF)"L03 W:/P:L"Y+A74T B."75YT-?YA(:AQO80B L:/HI\$.F("73N (AL-MAK."/92HW.
 W:/NIS:(A81N (AL-Y:HWF91H Q:DO71W\$ YI&:RF)"73L B.E/):EME75T00? ²¹ \$:)F71R
 YF\$73W.B \$:)F74R YA(:AQO92B)EL-)"73L G.IB.O75WR00 ²² K.I74Y)IM-YIH:YE62H
 (AM./:KF70 YI&:RF)"L03? K.:XO74WL HA/Y.F80M \$:)F73R YF\$74W.B B./O92W
 K.IL.FYO71WN XFR73W.C \$OW+"71P C:DFQF75H00 ²³ K.I71Y KFLF73H?
 W:/NEX:ERFCF92H):ADONF70Y Y:HWIH03 C:BF)O80WT (O&E73H B.:QE71REB
 K.FL-HF/)F75REC00 ²⁴ LF/K"81N K.O75H)-FMA62R):ADONF70Y Y:HWIH03 C:BF)O80WT
)AL-T.IYRF71) (AM./I91Y YO\$"71B CIY.O73WN? M"75/)A\$.92W.R B.A/\$."74BE+
 YAK./E80K.FH W./MA+."/71HW. YI&:F75)-FLE73Y/KF B.:/DE71REK: MIC:RF75YIM00
²⁵ K.IY-(O73WD? M:(A74+ MIZ:(F92R W:/KF74LFH ZA80(AM W:/)AP./I73Y
 (AL-T.AB:LIYT/F75M00 ²⁶ W:/O73W)63R (FLF61Y/W Y:HWF70H? C:BF)OWT03 \$O80W+
 K.:MAK.A71T MID:YF73N B.:/C74W.R (OWR"92B W:/MA+."/33HW.03 (AL-HA/Y.F80M
 W:/N:&F)/O73W B.:/DE71REK: MIC:RF75YIM00 ²⁷ W:/HFYF74H05 B.A/Y.O74WM
 HA/H81W.)? YFS70W.R SUB.:FL/OW03 M"/(A74L \$IK:M/E80KF W:/UL./O73W M"/(A74L
 CAW.F)R/E92KF W:/XUB.A71L? (O73L MI/P.:N"Y-\$F75MEN00 ²⁸ B.F71) (AL-(AY.A73T?
 (FBA74R B.:/MIG:RO92WN L:/MIK:MF73& YAP:QI71YD K."LF75Y/W00? ²⁹ (F75B:RW.03
 MA(:B.FRF80H G.E73BA(MFLO74WN L/F92NW. XF75R:DFH03 HF75/RFMF80H
 G.IB:(A71T \$F)73W.L NF75SFH00? ³⁰ CAH:ALI71Y QOWL/"73K: B.AT-G.AL.I92YM
 HAQ:\$I71YBIY LA73Y:\$FH? (:ANIY.F71H (:ANFTO75WT00 ³¹ NFD:DF73H
 MAD:M"NF92H? YO\$:B"71Y HA/G."BI73YM H"(I75YZW.00? ³² (O71WD HA/Y.O73WM
 B.:/NO74B LA75/(:AMO92D? Y:NOP"70P YFD/OW03 HA74R **B.AT-CIY.O80WN
 G.IB:(A73T Y:RW.\$FLF75IM00 ³³ HIN."70H HF/)FDOWN03 Y:HWF74H C:BF)O80WT
 M:SF("71P P.U)RF73H B.:/MA(:ARFCF92H? W:/RFM"70Y HA/Q.OWMFH03 G.:DW.(I80YM
 W:/HA/G.:BOH)73YM YI\$:P.F75LW.00? ³⁴ W:/NIQ.A91P SI75B:K"71Y HA/Y.A73(AR
 B.A/B.AR:ZE92L W:/HA/L.:BFNO73WN B.:/AD.I71YR YIP.O75WL00 **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:NF73Y/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:NF92Y/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)O3

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:/S175(: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/\$.IN:(FR03
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:JAB: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"YLI85YWL. K.I71Y QFRO73WB
YO74WM Y:HWF92H K.:S073D 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:/SAM.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? XF\$A70K:
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:/ZFHF73B
 LO71) YAX:P.:CW.-B/O75W00? ¹⁸ W:/Q:\$FTO73WT N:(FRI74YM T.:RA+.A92\$N.FH?
 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** ¹ 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?)3 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.UL./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.OWNKF92NW? H:A/ZE70H HF/)IY/KF03 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:/BFBEL61L \$"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) HA\$: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:/MI71YJ3 Y:\$IYB/E75N.FH00
²⁸ B.I/\$:NAT-MO73WT HA/M.E74LEK: JFXF92Z 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
NFM073WG 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:) "71R) "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 **HFBI70Y)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:/NI\$:B.A70T MIB:CFR03 M"75)EP:RA80YIM W:/MAM:LFKF71H
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
SIB.:FLI74YM YIQ:CO92WR? W:/HFYF91H K.I/M:LAQ."71+ \$IB.:FLI73YM B.:/(71MEQ
R:PF)I75YM00? ⁶ W:/NI\$:)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-HA75M.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 SOWS"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.IS:MF75(W.00 ⁴ K.IY04 KO63H)3)FMA70R Y:HWFH03)"L/A80Y
**)E\$:Q:F73H 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
K.:/TFM-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/)+.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:HW71H C:BF)O75WT00?
⁵ W:/NI\$.:TW.-MA73YIM M"75/HA/Y.F92M W:/NHF73R 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:/)YN/E75N.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:HW71H
 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:HW71H 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:/ZFN73B 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:HW71H? 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:HW71H 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:HW71H MI/P.:N"74Y LO75X:ACI80YM
 W:/YI\$LA71X L/FHE91M? MOW\$I71Y(A WF/RF73B W:/HIC.IYL/F75M00
²¹ W:/NOWDA70(Y:HW71H L:/MIC:RA80YIM W:/YFD:(71W. MIC:RA91YIM
)ET-Y:HW71H B.A/Y.O74WM HA/H92W.) W:/)F75B:DW.03 ZE74BAX W:/MIN:XF80H
 W:/NFD:RW.-N"71DER LA75/YHWF73H W:/)SIL."75MW.00? ²² W:/NFGA94P Y:HW71H
)ET-MIC:RA73YIM NFGO74P W:/RFPO92W) W:/)F33BW.03 (AD-Y:HW71H
 W:/NE:(T.A71R L/FHE73M? W:/R:PF)/F75M00 ²³ B.A/Y.O74WM HA/H81W.) T.IH:YE63H
 M:SIL.F70H MI/MIC:RA33YIM03)A\$.80W/R/FH W:/BF75)-)A\$.71W.R? B.:/MIC:RA73YIM
 W:/MIC:RA74YIM B.:/A\$.92W.R W:/)F75B:DW.03 MIC:RA73YIM)ET)-)A\$.75W.R00
²⁴ 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:HW71H 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.I.L.F71XEM? B.:/A\$.D.O73WD
 WA75/Y.I.L.K.:D/F75H.00 ² B.F/("74T HA/HI81Y) D.IB.E74R Y:HW71H 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/):A\$E71R 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.:/(O70WD \$FNH03
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.:\$U)O74WT05 M:L)"F81H 10(IYR HO75WMIY.F80H QIR:YF73H (AL.IYZF92H?
X:ALFLA33Y/IK:03 LO74) XAL:L"Y-XE80REB W:/LO73) M"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-MO73D 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:/SO71W(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
SF71TW. 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:/SFXO74+
CO80)N?)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:/S\$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./180Y 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:/A(73D
K.FL-K.:L"71Y HA/N.:BFI75YM00 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.:B75W.)FT/F92H. WA/T.:HI73Y S:XA71R G.OWYI75M00? ⁴ B.O74W\$YI
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/OWY03 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"YLI73YLV.):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 YO\$: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 YO\$: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 XF74L:PW. XO80Q? H"P"73RW. B.:RI71YT (OWLF75M00? ⁹)FBA71L T.IYRO73W\$)UM:L:LFH-GF92PEN NE)EN:X73W. K.FL-&IM:X"Y-L"75B00? 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 RFZIIY-L/I71Y RF75ZIIY-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)EL-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:(A\$73W. 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/A703)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\$IY/("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:/\$IM:/KF71 W.95/L:/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?
 **YA(:ABFR-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:(EZF73B 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:/NFBYI)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) CO)F92H 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:/NIS: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 MI\$:P.F+03 L:/QF80W W:/C:DFQF73H L:/MI\$: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 HFBI71YN \$: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.I.L: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:ACIQO73WTIY
 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.:/F73Q 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)"71\$
)OWK"LF75H00? ⁷ W:/HFYF81H K.A75/X:ALOWM03 X:AZO74WN LA80Y: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.
 HI\$: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
 K.:/DIB:R"Y02 HA/S."74PER HE75/XFTW.M01):A\$E75R-YIT.:N74W.)OT/O81W
)EL-?YOWD"71(A **S"91PER L"/)MO73R Q:RF74) NF)-ZE92H W:/)FMAR03 LO74)
)W.KA80L K.I71Y XFT73W.M H75W.)00? ¹² W:/NIT.A74N HA/S."81PER (AL04):A\$E63R
 LO75)-YFDA71(S"91PER L"/)MO73R Q:RF74) NF)-ZE92H W:/)FMA85R LO71)?
 YFDA73(:T.IY S"75PER00 ¹³ WA/Y.O74)MER):ADONF81Y 10YA(AN K.I70Y NIG.A\$03
 HF/(F74M HA/Z.E80H B.:/PI70Y/W? W./BI/&:PFTFY/W03 K.IB.:D80W./NIY W:/LIB./O73W
 RIXA74Q MI/M./E92N.IY? WA/T.:HI70Y YIR:/FT/FM03)OT/I80Y MIC:WA71T
):ANF\$I73YM M:LUM.FDF75H00? ¹⁴ LF/K"81N HIN:/NI71Y YOWSI91P L:/HAP:LI71Y)
)ET-HF75/(FM-HA/Z.E73H HAP:L"74) WF/PE92LE)? W:/)F75B:DFH03 XFK:MA74T
 X:AKFMF80Y/W W:/BIYNA71T N:BONF73Y/W T.IS:T.AT.F75R00 ¹⁵ HO91WY

HA/M.A:(AMIYQI71YM M"75/YHWF73H LA/S:T.I74R ("CF92H? W:/HFYF70H
 B:/MAX:\$FK:03 MA75(:A&"Y/HE80M WA/Y.O74)M:R80W. MI71Y RO)/"73NW. W:/MI71Y
 YOWD:("/75NW.00? ¹⁶ HA63P:K./:KE80M)IM-K./:XO71MER HA/Y.OC"73R Y"75XF\$92B?
 K.I75Y-YO)MA63R MA(:A&E70H L:/(&/"33HW.03 LO74) (F&/F80NIY? W:/Y"91CER
)FMA71R L:/YOWC:R/O73W LO71) H"BI75YN00? ¹⁷ H:A/LOW)-(OWD03 M:(A74+
 MIZ:(F80R? W:/SF71B L:BFNO73WN LA/K.AR:ME92L W:/HA/K.AR:ME73L LA/Y.A71(AR
 Y"XF\$75B00? ¹⁸ W:/\$FM:(94W. BA/Y.OWM-HA/H91W.) HA/X"R:\$I73YM
 D.IB:R"Y-S"92PER? W:/M"/)O74PEL W:/M"/XO80SEK: ("YN"71Y (IW:RI73YM
 T.IR:)E75YNFH00? ¹⁹ W:/YFS:P94W. (:ANFWI91YM B.A75/YHWF73H &IM:XF92H?
 W:/)EB:YOWN"74Y)FDF80M B.I/Q:DO71W\$ YI&:RF)"73L YFGI75YLV.00?
²⁰ K.I75Y-)FP"71S (FRI73YC W:/KF74LFH L"92C W:/NIK:R:T73W. K.FL-\$O71Q:D"Y
)F75WEN00? ²¹ MAX:A+IY)"70Y)FDFM03 B:/DFBF80R W:/LA/M.OWKI71YXA
 B.A/\$.A73(AR Y:QO\$92W.N? WA/Y.A+.71W. BA/T.O73HW. CAD.I75YQ00 ²² LF/K"81N
 K.O75H-)FMA70R Y:HWFH03)EL-B."74YT YA75(:AQO80B):A\$E71R P.FDF73H
)ET-)AB:RFHF92M? LO75)-(AT.F70H Y"BOW\$03 YA75(:AQO80B W:/LO71) (AT.F73H
 P.FNF71Y/W YEX:EW75RW.00? ²³ K.I74Y 14BI/R:)OT/OW Y:LFD62Y/W MA(:A&"71H
 YFD/A91Y B:/QIR:B./O73W YAQ:D.I74Y\$75W. \$:M/I92Y? W:/HIQ:D.I33Y\$W.03
)ET-Q:DO74W\$ YA75(:AQO80B W:/)ET-)ELOH"71Y YI&:RF)"73L YA(:ARI75YCW.00?
²⁴ W:/YFD:(71W. TO75("Y-R73W.XA B.IYNF92H W:/ROWG:NI73YM
 YIL:M:DW.-LE75QAX00? **30** ¹ HO74WY B.FNI70YM SO75WR:RIYM03
 N:)UM-Y:HWF80H? LA/(:A&O70WT ("CFH03 W:/LO74) MI/N.I80Y W:/LI/N:SO71K:
 MAS."KF73H W:/LO74) RW.X/I92Y? L:MA91(AN S:PO71WT XA+.F73)T
 (AL-XA+.F75)T00? ² HA/HOL:KIYM03 LF/RE74DET MIC:RA80YIM W:/P/I73Y LO74)
 \$F)F92LW.? LF/(OWZ03 B:/MF(O74WZ P.AR:(O80H W:/LA/X:SO73WT B:/C"71L
 MIC:RF75YIM00? ³ W:/HFYF71H L/FKE91M MF(O71WZ P.AR:(O73H L:/BO92\$ET?
 W:/HE/XFS71W.T B:/C"L-MIC:RA73YIM LI/K:LIM.F75H00? ⁴ K.I75Y-HFY71W.
 B:/CO73(AN &FRF92Y/W W:/MAL:)FKF73Y/W XFN"71S YAG.I75Y(W.00? ⁵ K.O74L
 HOBI80)IY\$ (AL-(A73M LO)-YOW(I74YLV.? L/F92MOW LO70) L:/("33ZER03 W:/LO74)
 L:/HOW(I80YL K.I71Y L:/BO73\$ET W:/GAM-L:/XER:P.F75H00 ⁶ MA&.F73)
 B.AH:AMO74WT NE92GEB B:/)EREC04 CFRF63H W:/CW.QF61H? LFBI94Y) WF/LA74YIS
 M"/HE81M)EP:(EH03 W:/&FRF74P M:(OWP"80P? YI&:W.04 (AL-K.E63TEP
 (:AYFRI61YM X"75YL/"HE81M W:/AL-D.AB.E70\$ET G.:MAL.IYM03
)O75WC:ROT/F80M? (AL-(A73M LO71) YOW(I75YLV.00 ⁷ W:/MIC:RA85YIM HE71BEL
 WF/RI73YQ YA(:ZO92RW.? LF/K"N03 QFRF74)TIY LF/ZO80)T RA71HAB H"73M
 \$F75BET00? ⁸ (AT.F81H B.O74W) KFT:B/F71H. (AL-L91W.XA)IT./F73M W:/AL-S"74PER
 XUQ./F92H.? W:/T:HIY03 L:/YO74WM)AX:ARO80WN LF/(A73D (AD-(OWLF75M00?
⁹ K.I74Y (A70M M:RIY03 H80W.) B.FNI73YM K.EXF\$92YM? B.FNI85YM LO75)-)FB71W.
 \$:MO73W(A T.O74W) Y:HWF75H00? ¹⁰)A\$E63R)FM:R70W. LF75/RO)IYM03 LO74)
 TIR:/80W.? W:/LA74/XOZI80YM LO71) TEX:EZW.-L/F73NW. N:KOXO92WT?
 D.AB.:RW.-L/F74NW. X:ALFQO80WT X:AZ73W. MAH:ATAL.O75WT00? ¹¹ 10SW.RW.
 MI/N."Y-DE80REK: HA+.73W. MI/N."Y-JO92RAX? HA\$:B.I71YTW. MI/P.FN"73Y/NW.
)ET-Q:DO71W\$ YI&:RF)"75L00 ¹² LF/K"81N K.O70H)FMAR03 Q:DO74W\$ YI&:RF)"80L?
 YA71(AN MF75)FS:/KE73M B.A/D.FBF74R HA/Z.E92H? WA75/T.IB:+:XW.03 B:/O74\$EQ
 W:/NFLO80WZ WA/T.I75\$.F:(AN73W. (FLF75Y/W00? ¹³ LF/K"81N YI75H:YE70H
 L/FKEM03 HE/(FWO74N HA/Z.E80H? K:/PE74REC NOP"80L NIB:(E73H B:/XOWMF74H
 NI&:G.FBF92H?)A\$ER-P.IT:)O71M L:/PE73TA(YFBO71W) \$IB:R/F75H.00?
¹⁴ 14W./\$:BFR/FH. K./:"\$63BER N"94BEL YOWC:RI91YM K.FT73W.T LO74) YAX:MO92L?
 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:/SW.BF70H WF/NA33XAT03
 T.IW.F74\$"(80W.N B:/HA\$:Q"+03 W:/B:/BI+:XF80H T.I75H:YE73H)3
 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 MI\$: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.I\$: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:I75Y/LW.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.:BW.)A74T HF75/):ADFMF80H W:/HFYF71H
DFS"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.:BFNFH03)3
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:)W. 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-RE61)K.B.KI74Y RF81B W:/(A70L P.F75RF\$YIM03 K.I75Y-(FC:M74W. M:)O80D?
W:/LO70) \$EF(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:/)ET-(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:/KFS\$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:/)ET-(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) TI\$:(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./MAS: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 NFSIYM03 \$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? ¹⁰ K.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? ¹⁴ 10K.IY (AL-K.FL-B.FT."74Y MF&O80W& QIR:YF73H (AL.IYZF75H00? ¹⁵ K.I75Y-JAR: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? ¹⁶ (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? ¹⁷ W:/\$FKA71N B.A/M.ID:B.F73R MIS:P.F92+ W:/C:DFQF73H B.A/K.AR:ME71L T."\$"75B00? ¹⁸ W:/HFYF91H MA:(A&"71H HA/C.:DFQF73H \$FLO92WM WA75(:ABODAT03 HA/C.:DFQF80H HA\$:Q"71+ WF/BE73+AX (AD-?(OWLF75M00? ¹⁹ 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? ²⁰ W:/BFRA73D B.:/RE74DET HA/Y.F92(AR W./BA/\$.IP:LF73H T.IS:P.A71L HF/(I75YR00? ²¹)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 MIS: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.F\$F73N W:/KAR:ME75L00? ¹⁰ (AT.F71H)FQ73W.M YO)MA74R Y:HWF92H (AT.FH03)"75ROWMF80M (AT.F73H)EN.F&"75)00? ¹¹ T.AH:AR71W. X:A\$A73\$ T."74L:DW. QA92\$ RW.X:/AKE85M)"73\$ T.O)KAL:/KE75M00? ¹² W:/HFY71W. (AM.I73YM MI&:R:PO74WT &I92YD QOWCI71YM

K.:SW.XI73YM B.F)"71\$ YIC.A75T.W.00 ¹³ \$IM:(71W. R:XOWQI73YM):A\$E74R
(F&I92YTIY W./D:(71W. Q:ROWBI73YM G.:BURFT/I75Y00? ¹⁴ P.FX:AD70W.
B:/CIY.OWN03 XA+.F)I80YM)FX:AZF71H R:(FDF73H X:AN"PI92YM? MI74Y05
YFG74W.R L/F81NW. 10)"\$)OWK"LF80H MIY-YFG71W.R L/F73NW. MOWQ:D"71Y
(OWLF75M00? ¹⁵ HOL"74K: C:DFQO80WT W:/DOB"73R M"75Y\$FRI92YM MO)"62S
B.:BE74CA(MA(:A\$AQ.O81WT? NO("70R K.AP.FY/W03 MI/T.:MO74K: B.A/\$.O80XAD
)O+"70M)FZ:N/OW03 MI/\$.:MO74(A D.FMI80YM? W:/(OC"71M ("YNF73Y/W
M"/R:)O71WT B.:RF95(00 ¹⁶ 10HW.) M:ROWMI74YM YI\$:K.O80N? M:CFDO71WT
S:LF(I73YM MI&:G.AB./O92W LAX:M/O74W NIT.F80N M"YMF73Y/W
NE):EMFNI75YM00? ¹⁷ ME71LEK: B.:YFP:Y/O73W T.EX:EZE74YNFH ("YNE92Y/KF
T.IR:)E73YNFH)E71REC MAR:XAQ.I75YM00? ¹⁸ LIB./:KF73 YEH:G.E74H)"YMF92H
)AY."70H SOP"R03)AY."74H \$OQ"80L)AY."73H SOP"71R)ET-HA/M.IG:D.FLI75YM00?
¹⁹)ET-(A71M NOW(F73Z LO74) TIR:)E92H (A74M (IM:Q"70Y &FPFH03 MI/\$.:MO80W(A
NIL:(A71G LF\$O73WN?)"71YN B.IYNF75H00? ²⁰ X:AZ"74H CIY.O80WN QIR:YA73T
MO75W(:AD/"92NW.? ("YNEY/KF04 TIR:)E63YNFH Y:RW.\$FLA61IM NFWE74H
\$A):ANF81N)O70HEL B.AL-YIC:(FN03? B.AL-YIS.A70(Y:T"75DOTFY/W03 LF/NE80CAX
W:/KFL-X:ABFLF73Y/W B.AL-YIN.FT"75QW.00? ²¹ K.I74Y)IM-\$F62M)AD.I70YR
Y:HWFH03 L/F80NW. M:QOWM-N:HFRI71YM Y:)ORI73YM RAX:AB"74Y YFDF92YIM?
B.AL-T."70LEK: B./OW03):FNIY-\$A80YI+ W:/CI71Y)AD.I73YR LO71)
YA(AB:R/E75N.W.00? ²² K.I70Y Y:HWFH03 \$OP:+"80NW. Y:HWF73H M:XOQ:Q/"92NW.
Y:HWF71H MAL:K./"73NW. H71W.) YOW\$YI(/"75NW.00? ²³ NI+.:73W. X:ABFLF92Y/IK:
B.AL-Y:HAZ.:Q70W. K"N-T.FR:NFM03 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 LI/\$: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:ERYM/F73M N:TFN/F71M LA/+F75BAX00? ³ W:/XAL:L"Y/HE74M YU\$:LF80KW.
W:/PIG:R"Y/HE73M YA(:ALE74H BF):\$F92M? W:/NFMA71S.W. HFRI73YM
MI/D.FM/F75M00 ⁴ W:/NFMA33Q.W.03 K.FL-C:BF74) HA/\$.FMA80YIM? W:/NFGO71L.W.
KA/S."73PER HA/\$.FMF92YIM W:/KFL-C:BF)/F74M YIB.O80WL? K.I/N:BO70L (FLEH03
MI/G.E80PEN W:/K:/NOBE73LET MI/T:)"NF75H00? ⁵ K.I75Y-RIW.:TF71H
BA/\$.FMA73YIM XAR:B./I92Y? HIN."H03 (AL-):EDO74WM T."R"80D W:/(AL-(A71M
XER:M/I73Y L:/MI\$:P.F75+00? ⁶ XE74REB LA/YHWF62H MFL:)F71H DFM03
HUD.A74\$NFH M"/X"80LEB? MI/D.A70M K.FRIYM03 W:/(AT.W.DI80YM M"/X"73LEB
K.IL:YO74WT)"YLI92YM? K.I74Y ZE70BAX LA75/YHWFH03 B.:BFC:RF80H
W:/+E71BAX G.FDO73WL B.:/E71REC):EDO75WM00? ⁷ W:/YFR:D70W. R:)"MIYM03
(IM./F80M W./PFRI73YM (IM-)AB.IYRI92YM? W:/RIW.:TF70H)AR:C/FM03 MI/D.F80M
WA/(:APFR/F73M M"/X"71LEB Y:DU\$.F75N00? ⁸ K.I91Y YO71WM NFQF73M
LA75/YHWF92H \$:NA71T \$IL.W.MI73YM L:/RI71YB CIY.O75WN00? ⁹ W:/NEHEP:K70W.
N:XFLE33Y/HF03 L:/ZE80PET WA/(:APFR/F73H. L:/GFP:RI92YT? W:/HFY:TF74H
)AR:C/F80H. L:/ZE73PET B.O("RF75H00? ¹⁰ LA70Y:LFH W:/YOWMFM03 LO74)
TIK:B.E80H L:/OWLF73M YA(:ALE74H (:A\$FN/F92H.? MI/D.O70WR LF/DOWR03
T.EX:ERF80B L:/N"74CAX N:CFXI80YM)"71YN (OB"73R B./F75H.00?
¹¹ WI/YR"\$33W./HF03 QF)A74T W:/QIP.O80WD W:/YAN:\$O71WP W:/(OR"73B
YI\$:K.:NW.-B/F92H.? W:/NF+F71H (FLE91Y/HF QA75W-TO73HW.
W:/)AB:N"Y-BO75HW.00? ¹² XORE71Y/HF? W:/)"75YN-\$F73M M:LW.KF74H YIQ:RF92)W.
W:/KFL-&FRE73Y/HF YI71H:YW.)F75PES00? ¹³ W:/(FL:TF70H)AR:M:NOTE33Y/HF03
SIYRI80YM QIM.O71W& WF/XO73WXA B.:MIB:CFRE92Y/HF? W:/HFY:TFH03 N:W"74H
TAN.I80YM XFCI73YR LI/B:NO71WT YA(:ANF75H00? ¹⁴ W:/PFG:\$70W. CIY.IYM03
)ET-)IY.I80YM W:/&F(I73YR (AL-R"/("74HW. YIQ:RF92)?)AK:-\$FM03 HIR:G.I74Y(FH
L.IYL80YT 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 YI\$:K.:NW.-B/F75H.00 **35** ₁ Y:&U&71W./M MID:B.F73R W:/CIY.F92H
 W:/TFG"94L (:ARFBF91H W:/TIP:RA73X? K.A/X:ABAC.F75LET00 ₂ P.FRO63XA
 T.IP:RA61X W:/TFG"81L 10)AP G.IYLA74T W:/RAN."80N? K.:BO70WD HA/L.:BFNOWN03
 NIT.AN-L/F80H. H:ADA71R HA/K.AR:ME73L W:/HA/\$.FRO92WN? H"91M.FH YIR:)71W.
 K:BOWD-Y:HWF73H H:ADA71R):ELOH"75Y/NW.00 ₃ XAZ.:Q73W. YFDA74YIM
 RFPO92WT W:/BIR:K.A71YIM K.O\$:LO73WT)AM."75CW.00? ₄)IM:RW.03
 L:/NIM:H:AR"Y-L"80B XIZ:Q73W.)AL-T.IYRF92)W.? HIN."70H):ELO75H"Y/KEM03
 NFQF74M YFBO80W)? G.:M74W.L):ELOHI80YM H71W.) YFBO73W)
 W:/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.:W.LI75YM00 ₁₀ W:/P:DW.Y"63Y Y:HWF61H
 Y:\$UB81W.N? W:/BF70)W. CIY.OWN03 B.:RIN.F80H W:/&IM:XA71T (OWLF73M
 (AL-RO)\$F92M? &F&O70WN W:/&IM:XFH03 YA&.I80YGW. W:/NF73SW. YFGO71WN
 WA/):ANFXF75H00 **36** ₁ WA/Y:HI83Y B.:/):AR:B.A(04 (E&:R"63H \$FNF61H LA/M.E74LEK:
 XIZ:QIY.F81HW. (FLF62H SAN:X"RI70YB ME75LEK:-)A\$.W.R03? (A74L K.FL-(FR"94Y
 Y:HW.DF91H HA/B.:CURO73WT WA75/Y.IT:P.:&/"75M00 ₂)ET-?WA/Y.I\$:LA74X
 RAB-ME75LEK:-\$FQ"63H)A\$.74W.R05 MI/L.FKI94Y\$)ET-?Y:RW.\$FLA91:M/FH
 RAB-JEL-\$FQ"63H HA/M.E71LEK: MI/L.FKI94Y\$ XIZ:QIY.F73HW. Y:RW.\$FLA91:M/FH
 B.:X"74YL)EL-K.FB"92D HA/M.E71LEK: WA75/Y.A(:AMO81D? XIZ:QIY.F73HW.
 B.I/T:(FLAT03 B.:X"74YL HA/B.:R"KF74H K.FB"92D HF/(EL:YOWNF80H
 WA75/Y.A(:AMO81D? B.I/M:SIL.A73T B.I/T:(FLAT03 &:D"71H HA/B.:R"KF74H
 KOWB"75S00 HF/(EL:YOWNF80H B.I/M:SIL.A73T &:D"71H KOWB"75S00 ₃ WA/Y."C"71)
)"LF91Y/W)EL:YFQI71YM? B.EN-XIL:QIY.F73HW.):A\$E74R (AL-HA/B.F92YIT
 W:/SEB:NF)03 HA/S.OP"80R W:/YOW)F71X B.EN)FSF73P HA/M.AZ:K.I75YR00?
₄ WA/Y.O70)MER):AL"Y/HEM03 RAB-\$FQ"80H)IM:RW.-NF73))EL-XIZ:QIY.F92HW.
 K.O75H-)FMA62R HA/M.E70LEK?: HA/G.FDOWL03 ME74LEK:)A\$.80W.R MF94H
 HA/B.I+.FXO91WN HA/Z.E73H):A\$E71R B.F+F75X:T.F00 ₅)FMA33R:T.IY03
)AK:-?D.:BAR-&:PFTA80YIM ("CF71H W:/G:BW.RF73H LA/M.IL:XFMF92H (AT.FH03
 (AL-MI74Y BF+A80X:T.F K.I71Y MFRA73D:T.F? B./I75Y00 ₆ HIN."74H BF+A83X:T.F
 (AL-MI\$:ENET04 HA/Q.FNE63H HF/RFC70W.C HA/Z.EH03 (AL-MIC:RA80YIM
):A\$E63R? YIS.FM"71K:)IY\$03 (FLF80Y/W W:/BF71) B:/KAP./O73W W:/N:QFB/F92H.
 10K."N P.AR:(O74H ME75LEK:-MIC:RA80YIM L:/KF75L-?HA/B.O+:XI73YM (FLF75Y/W00
₇ W:/KIY-TO)MA74R)"L/A80Y)EL-Y:HWF71H):ELOH"73Y/NW. B.F+F92X:NW.
 H:A/LOW)-?H81W.)):A\$E63R H"SI70YR XIZ:QIY.F33HW.03)ET-B.FMOTF74Y/W
 W:/)ET-MIZ:B.:XOTF80Y/W WA/Y.O70)MER LI75/YHW.DFH03 W:/LI/YR74W.\$FLA80IM
 LI/P:N"91Y HA/M.IZ:B."71XA HA/Z.E73H T.I75\$:T.AX:AW95W.00 ₈ W:/)AT.FH03
 HIT:(F74REB NF80))ET-?):ADON/I73Y HA/M.E74LEK:)A\$.92W.R W:/)ET.:NF70H L:/KF03
)AL:P.A74YIM SW.SI80YM)IM-T.W.KA85L LF71/TET L:/KF73?)EL:BI71YIM
 (:AL"Y/HE75M00 ₉ W:/)"74YK: T.F\$I81YB 14)"T P.:N"63Y PAXA71T)AXA91D (AB:D"71Y
):ADON/I73Y HA/Q:+AN.I92YM? WA/T.IB:+A70X L:/KF03 (AL-MIC:RA80YIM
 L:/RE73KEB W:/L:/PFRF\$I75YM00 ₁₀ W:/)AT.FH03 H:A/MI/B.AL:(AD"74Y Y:HWF80H?
 (FLI91YTIY (AL-HF)/F71REC HA/Z.O73)T L:/HA\$:XIYT/F92H. Y:HWFH03)FMA74R
)"L/A80Y (:AL"91H)EL-HF)/F71REC? HA/Z.O73)T W:/HA\$:XIYT/F75H.00
₁₁ WA/Y.O74)MER)EL:YFQIYM04 W:/SEB:NF63) W:/YOW)F61X)EL-RAB-?FQ"81H
 D.AB.ER-NF70))EL-(:ABFDE33Y/KF03):ARFMI80YT K.I71Y \$OM:(I73YM):ANF92X:NW.
 W:/)AL-T.:DAB."70R?)"L"33Y/NW.03 Y:HW.DI80YT B.:/FZ:N"74Y HF/(F80M):A\$E73R
 (AL-HA/XOWMF75H00 ₁₂ WA/Y.O74)MER WA/Y.O74)MER RAB-RAB-\$FQ"81H?
 \$FQ"81H? HA/E63L HA/E63L):ADONE70Y/KF):ADONE70Y/KF W:/)"LE33Y/KF03
 W:/)"LE33Y/KF03 \$:LFX/A74NIY \$:LFX/A74NIY):ADON/I80Y):ADON/I80Y L:/DAB."73R

L:/DAB."73R)ET-)ET-HA/D.:BFRI74YM HA/D.:BFRI74YM HF/)"92L.EH HF/)"92L.EH
H:A/LO74)? H:A/LO74)? (AL-(AL-HF/):ANF\$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./FKE75M00¹³ 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.R00¹⁴ 10K.OH)FMA74R?
HA/M.E80LEK:)AL-YA\$.I71) L/FKE73M XIZ:QIY.F92HW. K.I71Y LO75)-YW.KA73L
L:/HAC.I71YL)ET/:KE75M00¹⁵ 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.R00¹⁶)A75L-T.I\$:M:(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/O75W00¹⁷ (AD-B.O)/I85Y
W:/LFQAX:T.I71Y)ET/:KE73M)EL-)E74REC? K.:)AR:C/:KE92M)E70REC D.FGFN03
W:/TIYRO80W\$)E71REC LE73XEM W:/K:RFMI75YM00¹⁸ P.EN-YAS.I63YT)ET/:KE70M?
XIZ:QIY.F33HW.03 L"/)MO80R Y:HWF73H YAC.IYL/"92NW. HA/HIC.I61YILW.
):ELOH"70Y HA/G.OWYIM03)I74Y\$)ET-)AR:C/O80W MI/Y.A73D? ME71LEK:
)A\$.75W.R00¹⁹)AY."62H):ELOH"70Y X:AMFT03 W:/)AR:P.F80D)AY."73H):ELOH"74Y
S:PAR:WF92YIM W:/KI75Y-?HIC.I71YILW.)ET-\$OM:RO73WN MI/Y.FD/I75Y00²⁰ MI81Y
B.:/KFL-):ELOH"70Y HF75/):ARFCOWT03 HF/)"80L.EH):A\$ER-?HIC.I71YILW.
)ET-)AR:C/F73M MI/Y.FD/I92Y K.I75Y-YAC.I94YL Y:HWF91H)ET-Y:RW.\$FLA73IM
MI/Y.FD/I75Y00²¹ WA75/Y.AX:ARI80Y\$W.? W:/LO75)-(FN71W.)OT/O73W D.BFB92R
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:/\$EB: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-?FQ"75H00 **37** ¹ WA/Y:HI81Y K.I/\$:MO33(A03 HA/M.E74LEK:
XIZ:QIY.F80HW. WA/Y.IQ:RA73()ET-B.:GFDF92Y/W WA/Y.IT:K.A74S B.A/&.F80Q
WA/Y.FBO73) B."71YT? Y:HWF75H00² 14WA/Y.I\$: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.O74WM
HA/Z.E92H? K.I74Y BF70)W. BFNIYM03 (AD-MA\$:B."80R W:/KO71XA)A73YIN
L:/L"DF75H00⁴)JW.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)F75H00⁵ 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/I75Y00⁷ 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/O75W00⁸ 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.R00
¹¹ 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"75L00
¹² HA/HIC.I63YILW.)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&.F75R00 ¹³)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:HWF75H00 ¹⁵ WA/Y.IT:P.AL."L03 XIZ:QIY.F80HW.
)EL-Y:HWF73H? L"/)MO75R00 ¹⁶ Y:HWF63H C:BF)O61WT):ELOH"70Y YI&:RF)"L03
 YO\$"74B HA/K.:RUBI80YM)AT.FH-H70W.)? HF75/):ELOHIYM03 L:/BAD./:KF80
 L:/KO73L MAM:L.KO74WT HF)/F92REC)AT.F74H (F&I80YTF)ET-HA/\$.FMA73YIM
 W:/)ET-?HF)/F75REC00 ¹⁷ HA+."63H Y:HWF70H05)FZ:N/:KF03 W.95/\$:MF80(P.:QA94X
 Y:HWF91H ("YN/E73KF W./R:) "92H W./\$:MA81(10)"T? K.FL-D.IB:R"74Y SAN:X"RI80YB
):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/F75M00 ¹⁹ W:/NFTO71N)ET-?):ELOH"Y/HE73M B.F/)"92\$ K.IY04 LO63)
):ELOHI61YM H"81M.FH K.I74Y)IM-MA(:A&"94H Y:D"75Y-)FDF91M ("71C
 WF/E73BEN? WA75/Y:)AB.:D75W./M00 ²⁰ W:/)AT.FH03 Y:HWF74H):ELOH"80Y/NW.
 HOW\$YI(/"73NW. MI/YFD/O92W)1 W:/Y"75D:(W.03 K.FL-MAM:L.KO74WT? HF)/F80REC
 K.I75Y-)AT.F71H Y:HWF73H L:/BAD./E75KF00 ²¹ WA/Y.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.R00 ²² 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\$I74YBOTI80Y/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)T00 ³³ LF/K"81N
 K.O75H-)FMA70R Y:HWFH03)EL-ME74LEK:)A\$.80W.R? LO70) YFBOW)03
)EL-HF/(I74YR HA/Z.O80)T W:/LO75)-YOWRE71H \$F73M X"92C?
 W:/LO75)-Y:QAD.:M/E74N.FH MFG"80N W:/LO75)-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:HWF75H00? ³⁵ W:/GAN.OWT191Y
 (AL-HF/(I71YR HA/Z.O73)T L:/HO75W\$YI/(F92H. L:MA75(:AN/I80Y W./L:MA73(AN
 D.FWI71D? (AB:D./I75Y00 ³⁶ WA/Y."C"74)05 MAL:)A74K: Y:HWF81H WA/Y.AK.EH03
 B.:MAX:AN"74H)A\$.80W.R M")F91H W./\$:MONI71YM WA/X:AMI\$.F73H)F92LEP?
 WA/Y.A\$.K.I74YMW. BA/B.O80QER W:/HIN."71H KUL./F73M P.:GFRI71YM M"TI75YM00
³⁷ WA/Y.IS.A74(WA/Y."80LEK: WA/Y.F73\$FB SAN:X"RI74YB? ME75LEK:-)A\$.92W.R
 WA/Y."73\$EB B.:NI75YN:W"75H00 ³⁸ WA/Y:HIY04 H63W.))3 MI75\$:T.AX:AWE61H

B."74YT05 NIS:RO74K:)ELOHF81Y/W? W:75/)AD:RAM.E63LEK: W:/&AR:)E70CER
 B.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:HWFH03 CA74W L:/B"YT/E80KF K.I91Y M"71T)AT.F73H W:/LO71)?
 TI75X:YE75H00 ² WA/Y.AS."94B XIZ:QIY.F91HW. P.FNF73Y/W)EL-HA/Q.I92YR
 WA/Y.IT:P.AL."73L)EL-Y:HWF75H00 ³ WA/Y.O)MA81R?)FN.F70H Y:HWFH03
 Z:KFR-NF62))"74T):A\$E94R HIT:HAL.A74K:T.IY L:/PFNE81Y/KF B.E75/):EMET03
 W:/B:/L"74B \$FL"80M? W:/HA/+.O71WB B.:/("YNE73Y/KF (F&I92YTIY WA/Y."71B:K:
 XIZ:QIY.F73HW. B.KI71Y GFDO75WL00 ⁴ WA75/Y:HIY03 D.:BAR-?Y:HWF80H
)E75L-Y:\$A(:YF73HW. L"/)MO75R00 ⁵ HFLO62WK: W:/)FMAR:T.F74)EL-XIZ:QIY.F81HW.
 K.O75H-)FMA70R? Y:HWFH03):ELOH"Y03 D.FWI74D)FBI80Y/KF \$FMA33(:T.IY03
)ET-T.:PIL.FT/E80KF RF)I73YTIY)ET-D.IM:(FT/E92KF HIN:/NIY03? YOWSI74P
 (AL-YFME80Y/KF X:AM"71\$ (E&:R"73H \$FNF75H00 ⁶ W:/MI/K.A70P
 ME75LEK:-)A\$.W.R03)AC.I74YL:/KF80 W:/)"73T? HF/(I74YR HA/Z.O92)T
 W:/GAN.OWTI73Y (AL-HF/(I71YR HA/Z.O75)T00 ⁷ W:/ZEH-L./:KF71 HF/)O73WT M"/)"74T
 Y:HWF92H?):A\$ER03 YA:(A&E74H Y:HWF80H)ET-HA/D.FBF71R HA/Z.E73H):A\$E71R
 D.IB."75R00 ⁸ HIN:/NI74Y M"\$I74YB)ET-?C"74L HA75/M.A:(ALO83WT):A\$E74R
 YFR:DFH04 B:/MA:(ALO63WT)FXF71Z B.A/\$.E91ME\$):AXORAN.I73YT (E74&ER?
 MA:(ALO92WT WA/T.F70\$FB HA/\$.E33ME\$03 (E74&ER MA:(ALO80WT
 B.A75/M.A:(ALO73WT):A\$E71R YFRF75DFH00 ⁹ MIK:T.F73B L:/XIZ:QIY.F74HW.
 ME75LEK:-Y:HW.DF92H B.A/X:ALOT/O85W WA/Y:XI73Y M"/XFL:Y/O75W00?
¹⁰):ANI74Y)FMA81R:T.IY B.I/D:MI71Y YFM/A91Y)"L/"73KFH? B.:/\$A(:AR"74Y
 \$:)O92WL P.UQ.A73D:T.IY YE71TER \$:NOWT/F75Y00? ¹¹)FMA33R:T.IY03 LO)-)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? JED.AD.E71H KFL-\$:NOWT/A73Y (AL-MA71R
 NAP:\$/I75Y00? ¹⁶):ADONF73Y (:AL"Y/HE74M YI75X:Y92W. W:/L:/KFL-B./FHEN03
 XAY."74Y RW.X/I80Y? W:/TAX:ALIYM/"73NIY W:/HAX:AY/"75NIY00 ¹⁷ HIN."71H
 L:/\$FLO73WM MAR-L/I74Y MF92R? W:/)AT.F62H XF\$A70Q:T.F NAP:\$/IY03
 MI/\$.A74XAT B.:LI80Y? K.I71Y 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:HWF73H L:/HOW\$YI/("92NIY
 W:/N:GINOWTA94Y N:NAG."91N? K.FL-Y:M"71Y XAY."73Y/NW. (AL-B."71YT
 Y:HWF75H00? ²¹ WA/Y.O74)MER Y:\$A(:YF80HW. YI&:)73W. D.:BE74LET T.):"NI92YM
 W:/YIM:R:X71W. (A75L-HA/\$.:XI73YN W:/YE75XIY00? ²² WA/Y.O71)MER
 XIZ:QIY.F73HW. MF74H)O92WT K.I71Y)E(:ELE73H B."71YT Y:HWF75H00
39 ¹ B.F/("74T HA/HI83W) \$FLA83X M:RODA74K: 14B.AL:):ADFN
 B.E75N-B.AL:):ADF94N ME75LEK:-B.FBE91L S:PFRI71YM? W:/MIN:XF73H
)EL-XIZ:QIY.F92HW. WA/Y.I\$:MA85(K.I71Y XFLF73H WA95/Y.EX:EZF75Q00
² WA/Y.I&:MA74X (:AL"Y/HEM02 XIZ:QIY.FHW.01? WA/Y.AR:)/"74M)ET-B."74YT
 **N:KOT/O83W)ET-HA/K.ESEP04 W:/)ET-HA/Z.FHF63B W:/)ET-HA/B.:&FMI61YM
 W:/)"74T05? HA/\$.E74MEN HA/+.O81WB W:/)"T03 K.FL-B."74YT K."LF80Y/W W:/)"91T
 K.FL-):A\$E71R NIM:CF73) B.:/O75C:ROTF92Y/W? LO75)-HFYF74H DFBF81R 14):A\$ER
 LO75)-HER:/F94M XIZ:QIY.F91HW. B.:/B"YT/O73W W:/B:/KFL-MEM:\$AL:T./O75W00?
³ WA/Y.FBO)03 Y:\$A(:YF74HW. HA/N.FBI80Y))EL-HA/M.E73LEK: XIZ:QIY.F92HW.
 WA/Y.O63)MER)"LF61Y/W MF71H)FM:R74W.05? HF/):ANF\$174YM HF/)"81L.EH
 W:/M"/)A33YIN03 YFBO74W.)"LE80Y/KF WA/Y.O33)MER03 XIZ:QIY.F80HW.

M")E94REC R:XOWQF91H? B.F71)W.)"L/A73Y MI/B.FBE75L00 ⁴ WA/Y.O85)MER MF71H RF)73W. B.:B"YT/E92KF WA/Y.O74)MER XIZ:QIY.F81HW.)"74T K.FL-?):A\$E70R B.:B"YT/IY03 RF)80W. LO75)-HFYF71H DFBF91R):A\$E71R LO75)-HIR: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)O75WT00 ⁶ 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:HWF75H00 ⁷ 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.FBE75L00 ⁸ WA/Y.O70)MER XIZ:QIY.F33HW.03)E75L-?Y:\$A:(YF80HW. +O71WB D.:BAR-Y:HWF73H):A\$E74R D.IB.A92R:T.F WA/Y.O85)MER K.I71Y YIH:YE91H \$FLO71WM WE):EME73T? B.:YFMF75Y00 **40** ¹ NAX:AM71W. NAX:AM73W. (AM./I92Y YO)MA73R):ELOH"Y/KE75M00? ² D.AB.:R62W. (AL-L"70B Y:R75W.\$FLA33IM03 W:/QIR:)74W.)"LE80Y/HF? K.I70Y MF75L:)FH03 C:BF)/F80H. K.I71Y NIR:CF73H (:AWON/F92H.? K.I70Y LFQ:XFH03 MI/Y.A74D Y:HWF80H K.IP:LA73YIM B.:KFL-XA+.O)TE75Y/HF00 ³ QO74WL QOWR"80)? B.A/M.ID:B.F85R P.AN.73W. D.E74REK: Y:HWF92H? YA\$.:RW.03 B.F:(ARFBF80H M:SIL.F73H L")/LOH"75Y/NW.00? ⁴ K.FL-G.EY)03 YIN.F&"80) W:/KFL-HA71R W:/GIB:(F73H YI\$:P.F92LW.? W:/HFYF70H HE75/(FQOB03 L:/MIY\$O80WR W:/HF/R:KFSI73YM L:/BIQ:(F75H00? ⁵ W:/NIG:LF73H K.:BO74WD Y:HWF92H W:/RF)70W. KFL-B.F&FR03 YAX:D.F80W K.I91Y P.I71Y Y:HWF73H? D.IB."75R00 ⁶ 10QOWL)OM"74R Q:RF80) W:/)FMA73R MF74H)EQ:RF92)? K.FL-HA/B.F&F74R XFCI80YR W:/KFL-XAS:D./O73W K:/CI71YC HA/&.FDE75H00? ⁷ YFB"70\$ XFCIYR03 NF74B"75L CI80YC K.I91Y R71W.XA Y:HWF73H NF74\$:BFH B./O92W)FK"71N XFCI73YR? HF/(F75M00? ⁸ YFB"71\$ XFCI73YR NF74B"75L CI92YC W:/D:BAR-):ELOH"73Y/NW. YFQ71W.M L:/)OWLF75M00 ⁹ (A74L HAR-G.FBO70HA (:ALIY-L/FK:03 M:BA&.E74RET CIY.O80WN? HFRI70YMIY BA/K.O33XA03 QOWL/"80K: M:BA&.E73RET Y:RW.\$FLF92IM HFRI33YMIY03)AL-T.IYRF80)IY?)IM:RIY03 L:/)FR"74Y Y:HW.DF80H HIN."73H):ELOH"Y/KE75M00? ¹⁰ HIN."63H):ADONF70Y Y:HWIH03 B.:XFZF74Q YFBO80W) W:/Z:RO(/O73W MO74\$:LFH L/O92W? HIN."70H &:KFR/OW03)IT./O80W W:/P:(UL.FT/O73W L:/PFNF75Y/W00? ¹¹ K.:/RO(EH03 (ED:R/O74W YIR:(E80H B.I/Z:RO(/OW03 Y:QAB."74C? +:LF)I80YM W:/B:/X"YQ/O73W YI&.F92) (FLO73WT Y:NAH"75L00 ¹² MI75Y-MFDA63D B.:/\$F(:FL/O61W MA81YIM W:/\$FMA33YIM03 B.A/Z.E74RET T.IK."80N? W:/KF71L B.A/\$.FLI73\$ (:APA74R HF)/F92REC W:/\$FQA70L B.A/P.E33LES03 HFRI80YM? W:/G:BF(O73WT B.:/MO)Z:NF75YIM00? ¹³ MI75Y-TIK."71N)ET-R73W.XA)3 Y:HWF92H W:/)I71Y\$ (:ACFT/O73W YOWDIY(/E75N.W.00? ¹⁴)ET-MI70Y NOW(FC03 WA/Y:BIYN/"80HW. WA75/Y:LAM.:D/"73HW. B.:)O74RAX MI\$: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+.O75WL00 ¹⁶ W:/L:BFNO85WN)"71YN D."73Y B.F("92R? W:/XAY.FT/O80W)"71YN D."73Y (OWLF75H00 ¹⁷ 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"75P00 ²⁰ HA75/M:SUK.F74N T.:RW.MF80H ("71C LO75)-YIR:QA73B? YIB:XF92R? XFRF70\$ XFKFM03 Y:BAQ.E\$-L/O80W L:/HFKI71YN P.E73SEL LO71) YIM.O75W+00? ²¹ H:A/LO70W) T"75D:(W.03 H:A/LO74W) TI\$:MF80(W. H:A/LO91W) HUG.A71D M"/RO73)\$ L/FKE92M? H:A/LOW)03 H:ABI74YNOTE80M MOWS:DO73WT HF)/F75REC00? ²² HA/Y.O\$"B03 (AL-X74W.G HF)/F80REC W:/YO\$:BE73Y/HF K.A/X:AGFBI92YM? HA/N.OW+E70H KA/D.OQ03 \$FMA80YIM WA/Y.IM:T.FX/"71M K.F)/O73HEL LF/\$F75BET00? ²³ HA/N.OWT"71N ROWZ:NI73YM L:/)F92YIN \$O71P:+Y)E73REC K.A/T.O71HW. (F&F75H00? ²⁴)A74P B.AL-NI+.F81(W. 10)AP B.AL-ZORF80(W.)A91P B.AL-\$OR"71\$ B.F)/F73REC G.IZ:/(F92M? W:/GAM-NF\$A70P B./FHEM03 WA/Y.IBF80\$W. W:/S:(FRF73H K.A/Q.A71\$ T.I&.F)"/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.F75R00²⁷ 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:JUM.I73YM YAX:ALI74YPW. KO92XA? YIG.:SW.03)F74Z Y:DAB."80RW. YAX:D.F73W LA/M.I\$:P.F71+ NIQ:RF75BFH00? ² MI70Y H"(IYR03 MI/M.IZ:RF80X CE73DEQ YIQ:RF)/"74HW. L:/RAG:L/O92W? YIT."63N L:/PFNF70Y/W G.OWYIM03 W./M:LFKI74YM YA80R:D.: YIT."70N K.E75/(FPFR03 XAR:B./O80W K.:QA71\$ NID.F73P 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.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./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:ADA73W 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 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"75YLBW.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)-JET."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:HFWO703 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:/)Q3R K.:/(E71BED Y:HWF75H00? ²⁰ **RF)O71WT RAB.O73WT
W:/LO74) TIS:MO92R P.FQO71WXA)FZ:NA73YIM W:/LO71) YIS:MF75(00? ²¹ Y:HWF71H
XFP"73C L:MA74(AN CID:Q/O92W YAG:D.I71YL T.OWRF73H W:/YA):D.I75YR00?
²² W:/HW.)02 (AM-B.FZ74W.Z W:/SFSW.Y01? HFP"70XA B.A75/XW.RIYM03 K.UL./F80M
W./B:/BFT."71Y K: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:/YIS: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:/\$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 YAS:MIY(U92/NW.?
YIT.:N70W. ("75D"Y/HEM03 W:/YIC:D.F80QW. W:/YI\$:M:(73W. W:/YO)M:R71W.
):EME75T00? ¹⁰)AT.E70M ("D/AY03 N:)UM-Y:HWF80H W:/)AB:D./I73Y):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 HGA70D:T.IY W:/HOW\$A33(:T.IY03 W:/HI\$:MA80(:T.IY
W:/)"71YN B./FKE73M ZF92R? W:/)AT.E71M ("D/A91Y N:)UM-Y:HWF73H
WA75):ANIY-)"75L00 ¹³ G.AM-MI/Y.OWM03):ANI74Y H80W.)? W:/)"71YN MI/Y.FD/I73Y
MAC.I92YL)EP:(A73L W./MI71Y Y:\$IYB/E75N.FH00 ¹⁴ K.O75H-)FMA94R Y:HWF91H
G.O)AL:/KE73M Q:DO74W\$ YI&:RF)"92L? L:MA(AN:/KE62M \$IL.A74X:T.IY BFBE81L/FH
W:/HOWRAD:T.I70Y BF75/RIYXIYM03 K.UL./F80M? W:/KA&:D.I73YM
B.F):FNIY.O71WT RIN.FT/F75M00? ¹⁵):ANI71Y Y:HWF73H Q:DO75W\$/:KE92M
B.OWR"71) YI&:RF)"73L MAL:K./:KE75M00 ¹⁶ 10K.OH)FMA74R Y:HWF80H
HA/N.OWT"71N B.A/Y.F73M D.F92REK: W./B:/MA71YIM (AZ.I73YM N:TIYBF75H00?
¹⁷ HA/M.OWCI71Y) RE75KEB-WF/S73W.S XA74YIL W:/)IZ.92W.Z YAX:D.F70W?
YI\$:K.:BW.03 B.AL-YFQ80W.MW. D.F:(AK73W. K.A/P.I\$:T.F71H KFB75W.00?
¹⁸)A75L-T.IZ:K.:R73W. RI75)\$ONO92WT W:/QAD:MONIY.O73WT
)AL-T.IT:B.ONF75NW.00? ¹⁹ HIN:/NI63Y (O&E70H X:ADF\$FH03 (AT.F74H TIC:MF80X
H:A/LO73W) T"75DF(92W./HF?)A74P)F&I70YM B.A/M.ID:B.FR03 D.E80REK:
B.I75/Y\$IMO73WN N:HFRO75WT00? ²⁰ T.:KAB.:D/"33NIY03 XAY.A74T HA/&.FDE80H
T.AN.I73YM W./B:NO74WT YA75(:ANF92H? K.I75Y-NFTA63T.IY BA/M.ID:B.F61R
MA81YIM N:HFROWT03 B.I75/Y\$IYMO80N? L:/HAS:QO73WT (AM./I71Y B:XIYR/I75Y00
²¹ (AM-ZW.03 YFCA74R:T.IY L/I80Y? T.:HIL.FT/I73Y Y:SAP."75RW.00 ²² W:/LO)-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./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\$SUR73W.N B.FXA71R:T.IY B/O75W00? ³ K.I70Y)EC.FQ-MA33YIM03
(AL-CFM"80) W:/NOZ:LI73YM (AL-YAB.F\$F92H?)EC.O70Q RW.X/IY03 (AL-ZAR:/(E80KF
W./BIR:KFT/I73Y (AL-CE):ECF)E75Y/KF00? ⁴ W:/CFM:X73W. B.:/B"74YN XFCI92YR
K.A/(:ARFBI73YM (AL-YIB:L"Y-MF75YIM00? ⁵ ZE70H YO)MAR03 LA75/YHWF74H

)F80NIY W:/ZE73H YIQ:RF74) B:/"\$75M-YA(:AQO92B? W:/ZE81H YIK:T.O70B YFD/OW03
 LA75/YHWF80H W./B:/"\$71M YI&:RF)"73L Y:KAN.E75H00 ⁶ K.O75H-)FMA63R
 Y:HWF94H ME75LEK:-YI&:RF)"91L W:/GO):AL/O73W Y:HWF74H C:BF)O92WT?
):ANI70Y RI)\$OWN03 WA/):ANI74Y)AX:ARO80WN W./MI/B.AL:(FD/A73Y)"71YN
):ELOHI75YM00? ⁷ W./MI75Y-KFMO74W/NIY YIQ:RF81) W:/YAG.IYD/E70HF
 W:/YA(:R:K/E33HF03 L/I80Y? MI/&.W.MI73Y (AM-(OWLF92M W:/)OTIY.O91WT
 WA/):A\$E71R T.FBO73)NFH YAG.I71YDW. L/F75MOW00? ⁸)A75L-T.IP:X:ADW.03
 W:/)AL-T.IR:H80W. H:A/LO71) M"/)F91Z HI\$:MA(:T.I71Y/KF W:/HIG.A73D:T.IY?
 W:/)AT.E74M ("D/F92Y H:A/Y"70\$):ELO33WH.A03 MI/B.AL:(FD/A80Y W:/)"71YN
 C73W.R B.AL-YFDF75(:T.IY00? ⁹ YO75C:R"Y-PE70SEL K.UL/FM03 T.O80HW.
 WA/X:AMW.D"Y/HE73M B.AL-YOW(192YLV.? W:/("D"Y/HE74M H"8152M.F52H52J4
 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()O73RENJ6 W:/GE71\$SEM 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) YFB192YNW. 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./Y)-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:/\$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(: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 \$:/FL80W/NIY
 (AL-B.FN/A91Y W:/)AL-P.O71(AL YFD/A73Y T.:CAW.U75/NIY00? 12)F75NOKIY03
 (F&I74YTIY)E80REC W:/)FDF73M (FLE74Y/HF BFRF92)TIY?):ANI81Y YFD/AY03
 NF+74W. \$FMA80YIM W:/KFL-C:BF)/F73M CIW."75YTIY00? 13)FNOKIY03
 HA(IYROT174/H75W. B:/CE80DEQ W:/KFL-D.:RFKF73Y/W):AYA\$. "92R?
 H75W.)-YIB:NE70H (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 HIS: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-&"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\$YI/(E75N.W.00 8 ZIK:RW.-ZO73)T W:/HIT:)O\$F92\$W. HF\$I71YBW. POW\$:(I73YM (AL-L"75B00? 9 ZIK:R71W. RI)\$ONO73WT M"/(OWLF92M? K.I74Y)FNOKI71Y)"L03 W:/)"74YN (O80WD):ELOHI73YM W:/)E71PES K.FMO75W./NIY00? 10 MAG.I70YD M"75/R")\$IYT03)AX:ARI80YT W:/MI/Q.E73DEM):A\$E74R LO)-NA(:A&92W.?)OM"R03 (:ACFT/I74Y TFQ80W.M W:/KFL-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:JAX"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:I80YIY HOW(I73YL)W.LA71Y T.A:(ARO75WCY00? 13 NIL:)"73YT B.:LA74B (:ACFTF92Y/IK: YA(AM:DW.-NF63)? W:/YOW\$YI(U61/K: **HOB:R"74Y \$FMA81YIM HA75/XOZIYM03 B.A/K.O74WKFB180YM? MO75WDIY(IM03 LE/X:FDF\$I80YM 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/O75W00³ 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)NFH00⁴ 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."75N00¹² \$: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/O75W00¹⁷ 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:00¹⁸ 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

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