

The TanakhML Project

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Biblia Hebraica Stuttgartensia
Isaiah 1-26

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\$XIYT92YM? (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 TFBO80)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)-W.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/IY03 (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)JEL-HAR-Y:HWF81H
)EL-B."YT03):ELOH"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:/ZFH80B 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 YDFDY/W03 YI75\$:T.AX:AW80W. LA):ASE71R (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?):ASE70R (F75&W.-L/O73W 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):ASE71R N:\$FMF73H B.:)AP./O92W?
K.I75Y-BA/M.E71H NEX:\$F73B H75W.)00 ₃ K.IY04 HIN."63H HF/)FDO61WN Y:HWF74H
C:BF)O81WT M"SI70YR MI/YRW.\$FLA33IM03 W./MI74/YHW.DF80H? MAS:("73N
W./MAS:("NF92H 10K.OL MIS:(AN-LE80XEM W:/KO73L MIS:(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\$173YM 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:)JUM-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:/HF75/R:(FLO75WT00 ²⁰ HA/P.:)"RI70YM W:/HA/C.:(:FDOWT03 W:/HA/Q.I\$.URI80YM?
W./BFT."71Y HA/N.E73PE\$ W:/HA/L.:XF\$175YM00 ²¹ HA/+AB.F(O73WT W:/NIZ:M"71Y
HF/)F75P00 ²² HA/M.A75X:ALFCOWT03? W:/HA/M.A74(:A+FPO80WT
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:EZIIQW.04
SE63BA(NF\$161YM 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:/KFBO92WD W./P:RI70Y
HF/)F33REC03 L:/GF)O74WN? W./L:/TIP:)E80RET LI/P:L"Y+A73T YI&:RF)"75L00
³ W:/HFYF74H05 HA/N.IS:)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:/(\$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** ¹)F\$170YRFH
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:SAQ.:L/"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.:)US\$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.:)US\$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:/\$AM.F74H YI75H:Y80W. G.:DOLI71YM W:/+OWBI73YM M"/)71YN YOWS"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 MAS:K.IYM"71Y BA/B.O73QER \$"KF74R YIR:D.O92PW.? M:AX: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.FDO80WS 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:DO71WS 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"N04 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.OV\$"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 WF/)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 YOWS"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/)ES:MA62()ET-QO70WL
):ADON/FY03)OM"80R)ET-MI71Y)ES: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 YIS: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:/)F73BFH W:/HFY:TF74H
 L:/BF("92R? K.F)"LF74H W:/KF)AL.O81WN):A\$E70R B.:/\$AL.E33KET03 MAC.E74BET
 B./F80M? ZE71RA(QO73DE\$ MAC.AB:T./F75H.00 7 1 WA/Y:HI83Y B.I/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.)? YIS: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
 NHFHR03 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-MFQO81WM):A\$E94R
 YI75H:YEH-\$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:XAQ."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.OWRF73H 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:/)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 YFGI73YLW.
 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."63H]M
 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.:MIS: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:/ZFN91B 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/)"\$03 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 MIS: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.:QU.D.F80H W./L:/\$OW)F73H MI/M.ER:XF74Q
 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:BFBO73W LO)-K"74N YAX:\$O92B? ₁₀K.IY L:/HAS:MI74YD
 B.I/L:BFBO80W W./L:/HAK:RI71YT G.OWYI73M LO71) M:(F75+00 ₈ K.I73Y YO)MA92R?
 H:A/LO71) &FR/A91Y YAX:D.F73W M:LFKI75YM00 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:/\$OM: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.IYQO71WD)"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.I.L.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 YOS"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:/)OWR"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? YOS: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.:BOHI73YM YIS: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(YISF92Y 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
 YIS:P.O80W+ W:/LO75)-L:/MIS: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)03

YAX:D.F80W W:/NA71(AR QF+O73N NOH"71G B./F75M00? 7 W./PFRF70H WF/DOB03
 T.IR:(E80YNFH YAX:D.F73W YIR:B.:C74W. YAL:D"Y/HE92N? W:/)AR:Y"73H
 K.A/B.FQF71R YO75)KAL-T.E75BEN00 8 W:/\$I75(:A\$A71(YOWN"73Q (AL-XU74R
 P.F92TEN? W:(AL03 M:)W.RA74T CIP:(OWNI80Y G.FM73W.L YFD/O71W HFDF75H00?
 9 LO75)-YFR"71(W. W:/LO75)-YA\$:XI73YTW. B.:KFL-HA74R QFD:\$/I92Y?
 K.I75Y-MFL:)F74H HF/)F81REC D."(FH03)ET-Y:HWF80H K.A/M.A73YIM LA/Y.F71M
 M:KAS.I75YM00 10 W:/HFYFH03 B.A/Y.O74WM HA/H80W.) \$O74RES 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 W175/YHW.DF73H LO75)-YFCO71R)ET-)EP:RF75YIM00? 14 W:/(FP63W.
 B:/KFT"70P P.:LIS: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:/\$IB:(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./\$:)AB:T.EM-MA73YIM
 B.:/F&O92WN MI/M.A(AY:N"73Y HA/Y:\$W.(F75H00? 4 WA/):AMAR:T.E62M
 B.A/Y.O74WM HA/H81W.) HOWD70W. LA75/YHWFH03 QIR:)74W. BI/\$:M/O80W?
 HOWDI71Y(W. BF75/(AM.I73YM (:ALI75YLOTF92Y/W HAZ:K.I85YRW. K.I71Y
 NI&:G.F73B \$:M/O75W00? 5 ZAM.:R74W. Y:HWF80H K.I71Y G")73W.T (F&F92H
 **MW.DA71(AT ZO73)T B.:/KFL-HF/)F75REC00? 6 CAH:ALI71Y WF/RO73N.IY
 YOW\$E74BET CIY.O92WN K.I75Y-GFDO71WL B.:/QIR:B./"73K: Q:DO71W\$
 YI&:RF)"75L00 **13** 1 MA&.F73) B.FBE92L):A\$E74R XFZF80H Y:\$A(:YF73HW.
 B.EN-)FMO75WC00? 2 (A70L HAR-NI\$:P.EH03 &:75)W.-N"80S HFRI71YMW. QO73WL
 L/FHE92M? HFNI74YPW. YF80D W:/YFBO73)W. P.IT:X"71Y N:DIYBI75YM00? 3):ANI71Y
 CIW."73YTIY LI/M:QUD.F\$/F92Y? G.A74M QFRF70)TIY GIB.OWR/AY03 L:/)AP./I80Y
 (AL.IYZ"73Y G.A):AWFT/I75Y00? 4 QO71WL HFMO91WN B.E75/HFRI73YM D.:M74W.T
 (AM-RF92B? 14QOWL \$:)O62WN MAM:L:KO70WT G.OWYIM03 NE75):ESFPI80YM?
 Y:HWF74H C:BF)O80WT M:PAQ."73D C:BF71) MIL:XFMF75H00? 5 B.F)I91YM
 M"/)E71REC MER:XF73Q MI/Q:C"74H HA/\$.FMF92YIM? Y:HWFH03 W./K:L"74Y
 ZA:(M/O80W L:/XAB."73L K.FL-HF/)F75REC00? 6 H"YLI85YLW. K.I71Y QFRO73WB
 YO74WM Y:HWF92H K.:/O73D MI/\$.AD.A71Y YFBO75W)00? 7 (AL-K."73N
 K.FL-YFDA74YIM T.IR:P.E92YNFH W:/KFL-L:BA71B):ENO73W\$ YIM.F75S00]3
 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? XFA70K:
 HA/\$.E33ME\$03 B.:/C")T/O80W W:/YFR"73XA LO75)-YAG.I71YHA)OWR/O95W00?
 11 W./PFQAD:T.I70Y (AL-T."B"L03 RF(F80H W:/)AL-R:\$F(I73YM (:AWON/F92M?
 W:/HI\$:B.AT.IY03 G.):O74WN Z"DI80YM W:/GA):AWA71T (FRIYCI73YM)A\$:P.I75YL00?
 12)OWQI71YR):ENO73W\$ MI/P.F92Z W:/)FDF73M MI/K.E71TEM)OWPI75YR00?
 13 (AL-K."N03 \$FMA74YIM)AR:G.I80YZ W:/TIR:(A71\$ HF/)F73REC MI/M.:QOWM/F92H.?

B.:(EB:RAT03 Y:HWF74H C:BF)O80WT W./B:/YO73WM X:ARO71WN)AP./O75W00?
 14 W:/HFYFH03 K.I/C:BI74Y MUD.F80X W./K:/CO73)N W:/)"74YN M:QAB."92C?)I70Y\$
)EL-(AM./OW03 YIP:N80W. W:/)I71Y\$)EL-)AR:C/O73W YFN75W.SW.00?
 15 K.FL-HA/N.IM:CF73) YID.FQ"92R W:/KFL-HA/N.IS:P.E73H YIP.O71WL B.E/XF75REB00?
 16 W:/(OL:L"Y/HE71M Y:RU+.:\$73W. L:/("75YN"Y/HE92M? YI\$.A33S.W.03
 B.F75T."Y/HE80M W./N:\$"Y/HE73M **T.I\$.FKA75B:NFH00? 17 HIN:/NI91Y M"(I71YR
 (:AL"Y/HE73M)ET-MFDF92Y?):A\$ER-K.E33SEP03 LO74) YAX:\$O80BW. W:/ZFH73B
 LO71) YAX:P.:CW.-B/O75W00? 18 W./Q:\$FTO73WT N:(FRI74YM T.:RA+.A92\$:NFH?
 W./P:RIY-BE33+EN03 LO74) Y:RAX"80MW. (AL-B.FNI73YM LO75)-TFX71W.S
 ("YN/F75M00? 19 W:/HFY:TF70H BFBEL03 C:BI74Y MAM:LFKO80WT T.IP:):E73RET
 G.:O74WN K.A&:D.I92YM? K.:MAH.P."KA74T)ELOHI80YM)ET-S:DO73M
 W:/)ET-(AMORF75H00? 20 LO75)-T"\$74B LF/NE80CAX W:/LO71) TI\$:K.O73N
 (AD-D.O74WR WF/DO92WR? W:/LO75)-YAH"71L \$FM03 (:ARFBI80Y W:/RO(I73YM
 LO)-YAR:B.I71CW. \$F75M00? 21 W:/RFB:CW.-\$F74M CIY.I80YM W./MFL:)71W.
 BFT."Y/HE73M)OXI92YM? W:/\$F70K:NW. \$FM03 B.:NO74WT YA75:(ANF80H
 W./&:(YIRI73YM 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.FS"75KW.00? 14 K.IY04 Y:RAX"63M
 Y:HWF61H)E75T-YA:(AQO81B W./BFXA71R (OWD03 B.:/YI&:RF)"80L W:/HIN.IYX/F73M
 (AL-?)AD:MFT/F92M W:/NIL:WF70H HA/G."R03 (:AL"Y/HE80M W:/NIS:P.:X73W.
 (AL-B."71YT YA:(AQO75B00 2 W./L:QFX74W./M (AM.IYM02? WE/H:EBIY)74W./M
)EL-M:QOWM/FM01 W:/HI75T:NAX:AL74W./M B."75YT-YI&:RF)"81L 10(AL)AD:MA74T
 Y:HWF80H? LA/(:ABFDI73YM W:/L/LS:PFXO92WT W:/HFYW.03)SOBI74YM
 L:/SO75B"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.I.L: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 LIQ: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.OWNF92NW.? H:A/ZE70H HF/)IY\$03 MAR:G.I74YZ HF)/F80REC MAR:(I73Y\$
 MAM:LFKO75WT00? 17 &F71M T."B"91L K.A.M.ID:B.F73R W:/FRF74Y/W HFRF92S?
):ASIYRF73Y/W LO)-PF71TAX B.F75Y:T/FH00 18 K.FL-MAL:K"71Y GOWYI73M?
 K.UL./F92M \$FK:B71W. B:/KFBO73WD)I71Y\$ B.:/B"YT/O75W00? 19 W:/)AT.F62H
 HF\$:LA70K:T.F MI75/Q.IB:R:/KF03 K.:N"74CER NIT:(F80B? L:B71W.\$ H:ARUGI73YM
 M:+O74(:AN"Y XF92REB YOWR:D"71Y)EL-)AB:N"Y-BO73WR K.:/PE71GER?
 MW.BF75S00? 20 LO75)-T"XA70D)IT.FM03 B.I/Q:BW.RF80H? K.I75Y-)AR:C:/KF71
 \$IXA73T.F (AM./:KF74 HFRF92G:T.F? LO75)-YIQ.FR"71) L:/OWLF73M ZE71RA(
 M:R"(I75YM00? 21 HFKI94YNW. L:/BFNF91Y/W MA+:B."73XA B.A/(:AWO74N
):ABOWT/F92M? B.AL-YFQU33MW.03 W:/YF74R:\$W.)F80REC W./MFL:)71W.
 P:N"75Y-T"B"73L (FRI75YM00? 22 W:/QAM:T.I74Y (:AL"Y/HE80M N:)U73M Y:HWF74H
 C:BF)O92WT? W:/HIK:RAT.I63Y L:/BFB61L \$"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:/MI71Y]3 Y:\$IYB/E75N.FH00
²⁸ B.I/\$:NAT-MO73WT HA/M.E74LEK:)FXF92Z HFYF73H HA/M.A.&.F71) HA/Z.E75H00?
²⁹)A75L-T.I&:M:XI70Y P:LE33\$ET03 K.UL/"80K: K.I71Y NI\$:B.A73R \$"74BE+
MAK."/92K?: K.I75Y-MI/\$.O70RES NFXF\$03 Y"74C") CE80PA(W:/PIR:Y/O73W &FRF71P
M:(OWP"75P00? ³⁰ W:/RF(W.03 B.:KOWR"74Y DAL.I80YM W:/)EB:YOWNI73YM
LF/BE74+AX YIR:B.F92CW.? W:/H"MAT.I70Y BF75/RF(FB03 \$FR:\$"80K:
W./\$:)RIYT/"73K: YAH:ARO75G00? ³¹ H"YLI70YLI75Y \$A33(AR03 ZA75(:AQIY-(I80YR
NFMO73WG P:LE74\$ET K.UL/"92K?: K.I70Y MI/C.FPOWN03 (F\$F74N B.F80) W:/)"71YN
B.OWD"73D B.:/MOW(FDF75Y/W00? ³² W./MA75H-Y.A(:ANE73H MAL.):AK"Y-GO92WY?
K.I70Y Y:HWFH03 YIS.A74D CIY.O80WN W./B/F71H. YEX:ES73W. (:ANIY."71Y
(AM./O75W00 **15** ₁ MA&.F73) MOW)F92B? 14K.IY B.:/L"62YL \$UD.A63D (F70R
MOW)FB03 NID:MF80H? K.I81Y B.:/L"91YL \$UD.A71D QIYR-MOW)F73B NID:MF75H00?
² (FLF63H HA/B.A94YIT W:/DIYBO91N HA/B.FMO73WT L:/BE92KIY) (AL-N:BO62W
W:/A70L M"75YD:BF)03 MOW)F74B Y:Y"LI80YL? B.:/KFL-RO)\$F74Y/W QFR:XF80H
K.FL-ZFQF73N G.:RW.(F75H00? ³ B.:/XW.COTF73Y/W XF74G:RW. &F92Q (A74L
G.AG.OWTE94Y/HF? W:/BI/R:XOBOTE91Y/HF K.UL.O71H Y:Y"LI73YL YOR"71D
B.A/B.E75KIY00? ⁴ WA/T.IZ:(A70Q XE\$:B.OWN03 W:/)EL:(FL"80H (AD-YA73HAC
NI\$:MA74(QOWL/F92M? (AL-K."81N X:ALUC"70Y MOW)FB03 YFRI80Y(W.
NAP:\$/O73W YF71R:(FH L./O75W00? ⁵ LIB./IY03 L:/MOW)F74B YIZ:(F80Q B.:RIYX/E85HF
(AD-CO73(AR (EG:LA74T \$:LI\$Y.F92H? K.I74Y05 MA(:AL"74H HA/L.W.XI81YT
B.I/B:KIY03 YA75(:ALEH-B./O80W? 10K.IY D.E74REK: XOWRONA80YIM
ZA(:AQAT-\$E73BER Y:(O("75RW.00? ⁶ K.I75Y-M"71Y NIM:RI73YM M:\$AM.O74WT
YI75H:Y92W.? K.I75Y-YFB"70\$ XFCIYR03 K.F74LFH DE80\$E) YE73REQ LO71)
HFYF75H00? ⁷ (AL-K."73N YIT:RF74H (F&F92H W./P:QUD.FT/F80M? (A91L NA71XAL
HF/(:ARFBI73YM YI&.F)75W./M00? ⁸ K.I75Y-HIQ.I71YYPFH 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:/NIS: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./MIS: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:/NIS:)AR-B./O70W (O75WL"LOT03 K.:NO74QEP ZA80YIT?
\$:NA94YIM \$:LO\$F91H G.AR:G.:RI73YM B.:RO74)\$)FMI92YR)AR:B.F(F74H
X:AMIS.F81H B.I/S:(IPE33Y/HF03? P.O75RIY.F80H? N:)UM-Y:HWF73H):ELOH"71Y
YI&:RF)"75L00 ⁷ B.A/Y.O74WM HA/H80W.) YI\$(E71H HF/)FDF73M (AL-(O&/"92HW.
W:/("YNF85Y/W)EL-Q:DO71W\$ YI&:RF)"73L? T.IR:)E75YNFH00 ⁸ W:/LO74) YI\$(E80H
)EL-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. MIP:N"73Y B.:N"74Y
YI&:RF)"92L W:/HFY:TF73H \$:MFMF75H00? ¹⁰ K.I70Y \$FKA33XAT.:03):ELOH"74Y
YI\$:(/"80K: W:/C71W.R MF(UZ./"73K: LO74) ZFKF92R:T.:? (AL-K."81N T.I+:(IY03
NI+:(/"74Y NA:(AMFNI80YM W./Z:MO71RAT ZF73R T.IZ:RF/(E75N.W.00? ¹¹ B.:YO70WM
NI+:(/"K:03 T.:&AG:&"80GIY W./BA/B.O73QER ZAR:(/"74K: T.AP:RI92YXIY? N"71D
QFCI91YR B.:YO71WM NAX:ALF73H W./K:)71B)FN75W.\$00 ¹² HO81WY H:AMOWN03
(AM.I74YM RAB.I80YM K.A/H:AMO71WT YAM.I73YM YEH:EMFY92W.N? W./\$:)O74WN
L:)UM.I80YM K.I/\$:)O91WN MA71YIM K.AB.IYRI73YM YI\$.F)75W.N00? ¹³ L:/UM.I81YM
K.I/\$:)O62WN MA70YIM RAB.IYM03 YI\$.F)80W.N? W:/GF71(AR B./O73W W:/NF74S
MI/M.ER:XF92Q? W:/RUD.A81P K.:MO70C HFRIYM03 LI/P:N"Y-R80W.XA
W./K:/GAL:G.A73L LI/P:N"71Y SW.PF75H00? ¹⁴ L:/("71T (E33REB03 W:/HIN."74H
BAL.FHF80H B.:+E71REM B.O73QER)"YN/E92N.W.? ¹⁰ZEH X"74LEQ \$OWS"80Y/NW.
W:/GOWRF73L L:/BOZ:Z"75Y/NW.00 **18** ¹ HO71WY)E73REC CIL:CA74L K.:NFPP92YIM
):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
**)ES\$:Q:F+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.95L:/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:LFKF73H
 B.:/MAM:LFKF75H00? 3 W:/NFB:QF70H R95W.XA-MIC:RA33YIM03 B.:/QIR:B./O80W
 WA/(ACFT/O73W)ABAL."92(A? W:/DFR:\$70W.)EL-HF75/):ELIYLIYM03
 W:/)EL-HF74/)I+.I80YM W:/)EL-HF/)OBO73WT W:/)EL-?HA/Y.ID.:(ONI75YM00?
 4 W:/SIK.AR:T.IY03)ET-MIC:RA80YIM B.:/YA73D):ADONI74YM QF\$E92H W./ME70LEK:
 (AZ03 YIM:\$FL-B./F80M? N:)U71M HF/)FDO73WN Y:HWF71H C:BF)O75WT00?
 5 W:/NIS.:TW.-MA73YIM M"75/HA/Y.F92M W:/NFHF73R YEX:ERA71B W:/YFB"75\$00?
 6 W:/HE)EZ:NI74YXW. N:HFRO80WT D.FL:AL71W. W:/XFR:B73W. Y:)OR"74Y
 MF0C92WR? 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 PIS:T.I73YM
 &:RIYQO92WT W:/)OR:GI73YM XOWRF75Y00? 10 W:/HFY71W. \$FTOTE73Y/HF
 M:DUK.F)I92YM K.FL-(O71&"Y &E73KER)AG:M"Y-NF75PE\$00? 11)AK:-):EWILIYM03
 &F74R"Y CO80(AN XAK:M"Y03 YO:(AC"74Y PAR:(O80H ("CF73H NIB:(FRF92H? 10)"YK:
 T.O)M:R74W.)EL-P.AR:(O80H B.EN-X:AKFMI71YM):ANI73Y
 B.EN-MAL:K"Y-QE75DEM00? 12)AY./FM03)"PO74W) X:AKFME80Y/KF?
 W:/YAG.I71YDW. NF73) L/F92K: W:/Y"74D:(80W. MAH-Y.F(A91C Y:HWF71H
 C:BF)O73WT (AL-MIC:RF75YIM00? 13 NO75W):ALW.03 &F74R"Y CO80(AN NIS.:)73W.
 &F74R"Y NO92P HIT:(71W.)ET-MIC:RA73YIM P.IN.A71T? \$:BF+E75Y/HF00?
 14 Y:HWF91H MFSA71K: B.:/QIR:B./F73H. R74W.XA (IW:(I92YM? W:/HIT:(70W.
)ET-MIC:RA33YIM03 B.:/KF75L-MA:(A&"80HW. K.:/HIT.F(O71WT \$IK.O73WR
 B.:/QIY)/O75W00? 15 W:/LO75)-YIH:YE71H L:/MIC:RA73YIM MA75:(A&E92H):A\$E94R
 YA:(A&E91H RO71)\$ W:/ZFN73B K.IP.F71H? W:/)AG:MO75WN00 16 B.A/Y.O74WM
 HA/H80W.) YI75H:YE71H MIC:RA73YIM K.A/N.FS)92YM W:/XFRA74D05 W./PFXA81D
 MI/P.:N"Y03 T.:NW.PAT03 YAD-Y:HWF74H? C:BF)O80WT):A\$ER-H73W.) M"NI71YP
 (FLF75Y/W00 17 14W:/HFY:TFH)AD:MA63T Y:HW.DF70H L:/MIC:RA33YIM03?
 L:/XFG.F80) K.OL04):A\$E63R YAZ:K.I71YR)OT/F91H.)"LF73Y/W YIP:XF92D
 MI/P.:N"81Y (:ACAT03 Y:HWF74H C:BF)O80WT?):A\$ER-H73W.) YOW("71C
 (FLF75Y/W00 18 B.A/Y.O74WM HA/H83W.) YIH:YW.04 XFM"63\$ (FRI61YM B.:)E74REC?
 MIC:RA81YIM M:DAB.:ROWT03 &:PA74T K.:NA80(AN W:/NIS:B.F(O73WT LA/YHWF74H
 C:BF)O92WT (I74YR HA/HE80RES? Y)"FM"73R L:/)EXF75T00 19 B.A/Y.O74WM
 HA/H81W.) YI75H:YE70H MIZ:B."33XA03 LA75/YHWF80H B.:/TO73WK:)E74REC?
 MIC:RF92YIM W./MAC."BF71H)"75CEL-G.:BW.L/F73H. LA75/YHWF75H00
 20 W:/HFYF63H L:/)O71WT W./L:/"91D LA75/YHWF71H? C:BF)O73WT B.:)E74REC
 MIC:RF92YIM K.I75Y-YIC:(AQ70W.)EL-Y:HWFH03 MI/P.:N"74Y LO75X:ACI80YM
 W:/YI\$:LA71X L/FHE91M? MOW\$)I71Y(A WF/RF73B W:/HIC.IYL/F75M00
 21 W:/NOWDA70(Y:HWFH03 L:/MIC:RA80YIM W:/YFD:(71W. MIC:RA91YIM
)ET-Y:HWF73H B.A/Y.O74WM HA/H92W.) W:/)F75B:DW.03 ZE74BAX W./MIN:XF80H
 W:/NFD:RW.-N"71DER LA75/YHWF73H W:/)SIL."75MW.00? 22 W:/NFGA94P Y:HWF91H
)ET-MIC:RA73YIM NFGO74P W:/RFPO92W) W:/)SF33BW.03 (AD-Y:HWF80H
 W:/NE(:T.A71R L/FHE73M? W./R:PF)/F75M00 23 B.A/Y.O74WM HA/H81W.) T.IH:YE63H
 M:SIL.F70H MI/MIC:RA33YIM03)A\$.80W.R/FH W./BF75)-)A\$.71W.R? B.:/MIC:RA73YIM
 W./MIC:RA74YIM B.:)A\$.92W.R W:/)FB:D71W. 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:HWF71H C:BF)O73WT L"/)MO92R B.FR63W.K: (AM./I61Y
 MIC:RA81YIM W./MA:(A&"70H YFD/AY03?)A\$.80W.R W:/NAX:ALFT/I73Y
 YI&:RF)"75L00 20 1 B.I/\$:NA63T B.O70) TAR:T.FN03)A\$:D.O80WD/FH B.I/\$:LO74X
)OT/O80W SA75R:GO73WN ME74LEK:)A\$.92W.R WA/Y.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:HWFH02 B.:/YA74D
 Y:\$A(:YF74HW. BEN-)FMOWC02? L"/)MOR01 L"81K: W./PIT.AX:T.F70 HA/&AQ03
 M"/(A74L MFT:NE80Y/KF W:/NA(AL:KF71 TAX:ALO73C M"/(A74L RAG:LE92Y/KF
 WA/Y.A74(A&? K."80N HFLO73K: (FRO71WM W:/YFX"75P00 3 WA/Y.O74)MER

Y:HWF80H K.A):A\$E71R HFLA91K: (AB:D/I71Y Y:\$A:(YF73HW.? (FRO74WM W:/YFX"92P \$FLO70\$ \$FNIM03)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 NFD92DW. 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 \$FNFH03 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-\$O73D B.AT-(AM.I75Y00? 5 K.I74Y YOWM04 M:HW.MF63H W./M:BW.SF61H W./M:BW.KF81H LA75/)DONF94Y Y:HWI91H C:BF)O73WT? B.:G"74Y) XIZ.FYO92WN M:QAR:QA71R QI73R W:/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 \$F71TW. HA/\$.F75(:R/FH00? 8 WA/Y:GA85L)"73T MFSA74K: Y:HW.DF92H? WA/T.AB."+03 B.A/Y.O74WM HA/H80W.))EL-NE73\$EQ B."71YT HA/Y.F75(AR00? 9 W:/)"63T B.:QIY("94Y (IYR-D.FWI91D R:)IYTE73M K.IY-RF92B.W.? WA75/T.:QAB.:C80W.)ET-M"71Y HA/B.:R"KF73H HA/T.AX:T.OWNF75H00? 10 W:/)ET-B.FT."71Y Y:RW.\$FLA73IM S:PAR:T.E92M WA/T.IT.:CW.03 HA/B.F74T.I80YM L:/BAC."73R HA/XOWMF75H00? 11 W./MIQ:WF74H05 (:A&IYTE81M 10B."YN

HA/XO74MOTA80YIM L:/M"73Y HA/B.:R"KF74H HA/Y:\$FN92H? W:/LO70) HIB.A+:T.EM03)EL-(O&E80Y/HF W:/YOC:R/F71H. M"75/RFXO73WQ LO71) R:;)YTE75M00? 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:NF73)):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\$33M.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.:BFLI75YM00 25 B.A/Y.O74WM HA/H81W.) N:)UM03? Y:HWF74H C:BF)O80WT T.FMW.\$03 HA/Y.FT"80D HA/T.:QW.(F73H B.:MFQO74WM NE):EMF92N W:/NIG:D.:(F74H W:/NFP:LF81H? W:/NIK:RAT03 HA/M.A&.F74)):A\$ER-(FLE80Y/HF K.I71Y Y:HWF73H D.IB."75R00 23 1 MA&.F73) CO92R? H"YLI74YLV.05):FNIY.O74WT T.AR:\$I81Y\$ K.I75Y-\$UD.A70D MI/B.A33YIT03? MI/B.O80W) M"/)E71REC K.IT.I73YM NIG:LFH-L/F75MOW00? 2 D.O73M.W. YO74\$:B"Y)I92Y SOX"71R CIYDO91WN? (OB"71R YF73M MIL:)75W.K:00 3 W./B:/MA70YIM RAB.IYM03? ZE74RA(\$IXO80R Q:CI71YR Y:O73WR T.:B75W.)FT/F92H. WA/T.:HI73Y S:XA71R G.OUYI75M00? 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/OW03 NF+F74H (AL-HA/Y.F80M HIR:G.I73YZ MAM:LFKO92WT? Y:HWFH03 CIW.F74H)EL-K.:NA80(AN LA/\$:MI73D MF(UZ:NE75Y/HF00? 12 WA/Y.O85)MER LO75)-TOWSI71YPIY (O73WD LA/(:LO92WZ HA75/M:(U\$.FQF62H B.:TW.LA74T B.AT-CIYDO81WN? **K.IT.IYM03 Q74W.MIY (:ABO80RIY G.AM-\$F73M LO)-YFN71W.XA75 L/F75K:00? 13 H"74N05)E74REC K.A&.D.I81YM ZE70H HF/(FM03 LO74) HFYF80H)A\$.73W.R Y:SFD/F74H. L:/CIY.I92YM? H"QI74YMW. **BAXW.NF81Y/W (OR:RW.03)AR:M:NOWTE80Y/HF &FM/F73H. L:/MAP."LF75H00? 14 H"YLI73YLV.):FNIY.O74WT T.AR:\$I92Y\$ K.I71Y SUD.A73D MF(UZ./:KE75N00 15 W:/HFYFH03 B.A/Y.O74WM HA/H80W.) W:/NI\$:K.A70XAT COR03 \$IB:(I74YM \$FN92H K.I/YM"73Y ME74LEK:)EXF92D MI/Q."62C? \$IB:(I70YM \$FN92H03 YIH:YE74H L:/CO80R K.:/SIYRA73T 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.OVQ"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.A/5)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.O74Z05 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 B.A/\$.I73YR LO74) YI\$:T.W.-YF92YIN Y"MA71R "\$KF73R L:/)OTF75Y/W00? ¹⁰ NI\$:B.:RF73H QIR:YAT-T.O92HW. SUG.A71R K.FL-B.A73YIT MI/B.O75W00? 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:/KFB740D (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/YA03)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\$YIY(/"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& YDFY/W03 B.:/QIR:B./O80W K.A.):ASE91R Y:PFR"71& HA/&.OXE73H LI/&:XO92WT? W:/HI\$:P.IYL03 G.A75):AWFT/O80W (I73M)FR:B.O71WT YDFDF75Y/W00? ¹² W./MIB:CA62R MI&:G.A74B XOWMOTE81Y/KF H"\$A71X HI\$:P.I91YL HIG.I71Y(A LF/)F73REC (AD-?(PPF75R00 **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 \$FLO74W05 \$FLO92WM K.I71Y B:/KF73 B.F+75W.XA00? ⁴ B.I+:X71W. BA75/YHWF73H (:AD"Y-(A92D 10K.IY B.:/YF74H. Y:HWF80H C73W.R (OWLFMI75YM00? ⁵ K.I70Y H"\$AX03 YO\$:B"74Y MFRO80WM QIR:YF73H NI&:G.FBF92H? YA\$:P.IYL/E70N.FH YA\$:P.IYL/FH.03 (AD-)E80REC YAG.IY/(E73N.FH (AD-(FPF75R00? ⁶ T.IR:M:S/E73N.FH RF92GEL RAG:L"71Y (FNI73Y P.A:(AM"71Y DAL.I75YM00? ⁷)O71RAX LA/C.AD.I73YQ M"75/Y\$FRI92YM YF\$F85R MA:(G.A71L CAD.I73YQ T.:PAL."75S00? ⁸)A74P)O94RAX MI\$:P.F+E91Y/KF Y:HWF73H QIW.IYN92W./KF? L:/SIM:/KF71 W.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.IS: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 LA80XAS 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 HFR174YNW. 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"LFT/I73Y 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 LIP: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

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