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@ J[N VKM] [MU I a J MD W/ 00004 \P2V] OP I V/WI N T[KZMWOYOŁ 7VD W/ 00004 fi[W/[002MKV] V[MT0YOI VL ZMMZZ T/W V I XXZ/WZD W/U] TO QKOZTOYI Za LZ] OI VL I TK/PVTU I VI ONU M/ XZ/021 U [PV] TL J M] VLNZN SNWŁ1VWK] ZZW/ ZMMZZ T/WI XNZOYI N TU N/V TPMITP [NZ/03/U I a I T[WJ MOYL031 WL VW PQ/WZa I VL WZ L LNXZW[[00W 02/W/WZa [K/ZWÉ 7NX/WW/\DTa PI ZJ N] TI TK/PVT] [MQ [] [XNKW41fNP/Aft K/Å Y] M[\00W/VI 0Z/U I a J M] [MLŁ

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7/IXXZ/XXZQ\\//\W/^Q/WU M/\[] KP I [I V NU NZO/WKa LNXI Z/U M/\ VZ I V Q/XI \QX/_I Z_ T KSQ/O XZQI Ka Q/PQ/Q \P/VLQKTW[] Z/V/W[] J [\ VKM] [M [\PQ/Q] [] I Ta VWTa LQK] [[NL Q/ I [] XXVZ\Q/M NV^Q/WU N/\Ł

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APNZIM ZVMWI VQWI TXVX] T VQWfJI [NL [\] LQV[I VL NM_ MQLWKMJII [NL [\] LQV[VW VPMMJWK [VZ VPM U I VI OVU MV⁽⁽⁾ WWKI VVI JQ] [N¹ Q XZVOVI VKa VZ T KI VQWŁAPM [MTMZYXVZWL XZVMI TXVK/WWKI VVI JQ] [NL] ZQYOXZVOVI VKa Z VOM NZVU ! ` W\$` Q U VV[\[] LQV[Ł1I VVI JQVQ [fi_ PGBP I ZM J [VZJ NL NZVU VPM] [[NL] ZQYOXZVOVI VKa Z VOM NZVU ! ` W\$` Q U VV[\[] LQV[Ł1I VVI JQVQ [fi_ PGBP I ZM J [VZJ NL NZVU VPM]] [NL] ZQYOXZVOVI VKa Z VOM NZVU ! ` W\$` Q U VV[\[] LQV[Ł1I VVI JQVQ [fi_ PGBP I ZM J [VZJ NL NZVU VPM] VQ[_ PWV] [U VSVL VZ NZVU VPMO] [ZVQVV[NV] VZI VZ NZVU VPM QOV[NLI FU NLQ VMPM/MJWK [VW VPM] VQ[_ PWV] [U VSVL VZ NZVU VPMO] [ZVQVV[N] VQI TZI K_ PWV QOV[NLI FU NLQ VMPM/MJWK [VW KI VVI JQVTI A61/ Q I [U I TTU VINK] TMPI \Q LQVZO] VML Z XQTB WMPM/JZ Q I VL NI VE; NI J VIDOVL JA VPMIZNZFINOV PMPI TMTQM/WA61 ^ ZOV[NZVU ! Ž c'' %PV] Z[Q VKKI [QWI T] [NZ[W#c\$ LI a[Q PMI ^a] [NZ[I VL U I a ZVY] QTM] X W' Ž LI a[NVZ KVU XTVIM/MZZVQWŁ 7/ I VQI I TU VL/M[FiA61 KZVV[[NL VPMKT KWV FXZVL] KQYONMI TXT [U I TMMJ[VPI _ NZVV ZZVVQ) I V/B Z Ž · WU I V/ZVI TTMMJ[I NI/Z ZVXMQZM] NZVI TXM/MZZVQZM MXI TXM/MZZVZVQZM] NZVI Z VXM/ [NZ/ML I NI/Z ZVXMQQM] NZVI Z VXM/QZM MXWI Z ZVXVQ] NZVI Z ZVXMQ I V/B PQPNZ N/NI TK/WK/WZZ QWV[_ NZ/WI [NZ/ML I NI/Z ZVXMQQM] NZVI Z VXM/QZM MXW] Z ZVXVQ] NXVI Z ZVXMQ MXWI Z VXM/QZM MXWI Z ZVXVQ MXVI Z VXM/MZZ VXM MX ZVXQZM MXWI Z VXM/MZZ XXM/QZM MXWI Z ZVXM Z ZVXVQ I NXVI Z ZVXM/QZM MXWI Z ZVXM/QZM MXWI Z ZVXM/QZM MXWI Z ZVXVQ MX ZVXVQ MXVI Z ZVXM/QZM MXWI Z ZVXM/QZM MXWI Z ZVXVQ MXVI Z ZVXM/QZM MXWI Z ZVXM/QZM MXWI Z ZVXVQ MXVI Z ZVXM/QXVZ ZVXM/Z ZVXM/QZM MXWI Z ZVXM/QZM MXWI Z ZVXVQ MXVI Z ZVXM/QZM MXWI Z ZVXM/QZM MXWI Z ZVXVQ MXVI Z ZVXM/QZM MXWI Z ZVXVQ MXVI Z ZVXM/QZM MXWI Z ZVXM/QZM MXWI Z ZVXVQ MXVI Z ZVXM/QZM MXWI Z ZVXM/QZM

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APNZIVAQ MAQUNYKNAMANAJI ZAVLAMATAXU NAVI TLAMABQAVZLLATA QYAPAANAMAVI VALI I VLKPOLZAVI VANKI VVI JQ][NZ[QYXZNADAI VKa I VLTI KI VQWFAQKI] LQYOKAZAQAMLAMABQFAQ] V[XI VQTLa[N] VKNQWFADI X] T[QQafi QYI VVXVQW I VLLAXKZV[[QWQYKPOLZAVI VAL VVI NY_PAPI AM][NLKI VVI JQ QYXZNADAI VKa VZTI KI VQWŁ^ź 2] MAVAPQFII [_MTI [VPMJ I VAZVI TI VLNAMI TMIXAV[] ZVANAPMI LANZ[MAMANKA[VAI[U VSQVCF_VVI NY_PAV I ZVAKZNADAI VVI VZI KVVVNU XTI VQOXZNADAI VKa [PV]]TLJANAVKNJIZI ONLVALQKVVI/QZ] MKI VVI JQ][NL

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fl° & ED9BHED

 $\begin{array}{l} @] J [V VKM] [MLQWZLNZ[PI ^V/Q] XT03 VQW[NVZ XZVOVI VKa KI ZVTIN/WWI V TKI ZVTIN/L] KI VQWTI \\ NU XTVAU NVVTI[VKQ TT] [V01/TIZVT VQW[PQ2[FIXPa[03 TI VL U NVV TPN/ITPFIT/VQQT VQW I VL XV703QQC \\ \end{array}$

 $? M[M1ZKP U | a J NP| U X NZIML J a X WVZ Z VX WZ QV GFX W[[Q T NW [NZI ^ NZ J Q [| VL J a X Wa [] J [N VKV] [Mfi T M L Q O W X WVZ Y] | T Q a L I N L$

@DJOTZNAPOSITKVW[\ZIOV\[WKK]Z\WVPW[IVKVW[\ZIOV\[_POSPIXXTa\WVPV[\]LaWWUNLOSOVM[OY XZNOVIVKa IVLTIKVVOWIVL\WVPV[\]LaWW]\ZOOOV/L

ٰ) **EEHH7G**N

#\$#" fl+! ŽžO(Ž-2[] KPI [712fžŽIVL 6: '^{"%} [VKN_I ZVI TKV [Q/VQZI \QW WNLI \\ J K1_ MW OW/VAI T U I \VAZVQa [NZ^QBI\]fl VL [XNKQ TQN1 U I \VAZVQa [NZ^QBI\] PI \ XZWQLVKI ZVNV_ WU W _ QP [] J [\ VKV] [M Q' XZVQVI VKafi VL \WWNWI \\ TI VL XI N1Q \Z03 [NZ^QBI\]fNVNI KODI \VVV] \KVU MKVU XI ZQVW[| VL TWOQ] LQI TZV[INIZKP [\] LQ0[]Ł

 $\label{eq:linear} flow_./Z^*! \# \ensuremath{t}{t} + \ensuremath{\cdot} \ensuremath{$

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- ! Ł /] [\ZI TQV 7/[\Q] \VWW6MITP I VLD MTN ZMI/76D/Ł<I \QWI T2Z] O@\ZI \VQa 6WJ [MPWIL@] Z^\Va Z\XVZ\Ł2Z] O[N \Q\Q[[NZQA] \WV! \$\L! ŽžŽ,11 \LWVL>63 ž#\$\L
- "L ; NWN TO NITP I VL 2Z] OI VL / TKWPWT = NMBWL < @D 6 NITP ? MOU WWG J [N VKWB [MOU > ZWO/I VKa

 $\frac{P(X + I)}{P(X + I)} = f(TK)P(TE) = f(TK)$

- $$\begin{split} \dot{z}^{*} \dot{z} & ? NMY ^{S} ; 9 \dot{z}^{*} \dot{y} NY PW[X O] TI TKWP WTLNY W 0 0 0 V XZ K NZ NKW XI ZWL W[a U X WU Z000 XZ WL U I VI O WU N/ _ OP I V = J RW (NQ ND OP LZ _ I T CKI TM 17D / f/ Z/2 / U NZ 0 2 V S/Y Z/I TWW / LL 0 (NQ W/ LL 0 (NZ W/$$
- $\label{eq:label} \begin{array}{l} ! \tilde{Z} & \label{eq:label} / \tilde{Q} & \tilde{Q} & \tilde{Q} & \tilde{Z} & \tilde{Z}$
- ! žŁ : MVP@fi1VW0021 ^VP, fi>I \\\W 51fi1TVJOP / ?Ł1IVVIJQ][M02 ZVU VW/TVL00VWVJ[KVUU]V000/[02 /][\Z1T0+IWLNU 02 aN VV0TVKVULAPM NL02ITRVJZVITVW/][\Z1T0±! ŽŽ*, ž*ŽI\$/+!(ft²
- !! Ł 2004b>3fiŁ@PIX2006/ NWLW6J fi1ŁAVWOFICŁ4J Z2Fi@ŁIVL 11 TT OPIVFIDŁŁ70NIV UWZJO20A IVL UWZNTO2A I \Z02] N JTM/WXZ1001 NT[UW502/O02/VPIVB@ŁŁ/UNZ063IV 800/Z01TWN>Z10100/QM/ ML0602/M ! ŽžŽ,"*Iž/#\$c\$! Ł
- !"Ł : I_[>: FICELI VL @] TTCN VFI3EŁ/][VZI TOD`[U WXPNZA[I VL JI JOU/]!ŽŽ(Ł>NZACU N T[N VQ/VA&[[NZACU/] VWŁ !#FI/TSD KI VŁVWŁ>3? \$ŽŁŁ@LVNAI+/][VZI TODV TV[VO] VVMW6MITNPI VL D MTNI ZV/×I VOW/I T >NZACU N T@N VQ/VA&[BVOULFI]ŽŽŽŁ
- !#Ł = NNBU/WW/PM@ ZOWW 5FE NNBU/WW @F6MTTPL?NXWZ/[WW/PM@] ZOWW 5NWNZTE APM/6MTTP 1VW[NY] NWKM/ WW@U VSQYO+/ ?NXWZ/WW/PM@] ZOWW 5NWNZTE/\TVV 15//+1NWNZ[NVZ 2QMI[M 1VW/ZWTI VL >ZVMW/QW 1B@, !ŽŽ#Ł
- !\$L ;] TIW >2 18FAI JIS 3?f5TWLIa; 1L7U XZWQYOLQKTW[] ZWWW[U WSQYOJa XZWQVIV_WU WVL /U NZQ8U V 8WY ZVITWW=J[WXZQ8[5aVWKWWQaLž**ž,ž%\$i!/#Ž*f2"L
- !' Ł :] U TVA 8=@FD I VVZ[3Ł7/W/QW[NVZXZWU WXQYO[U V&QYOKW[[I \Q2W L] ZQYOXZVQVI VKaŁ 1WKPZ VI/2I V JI [M/WW@[VWU I \Q2?MQV<u>/</u>[Ł! ŽŽŽ,! Ł

- "ŽŁ; W022fi?02SN2A.D@fiMI[[N]Z5fiIZW[NFfi, IN2NW[?fiDPONV>fiNIITL/KWUXIZQWWW UIOV[\ZMIUIVL[QLM[\ZMIUUIZ03]IVIIVL\WIKKWK00JZVXVV[UVSNVXZVL]KML]VLNZL_W UIKPOVM[UVSSOVOKWLO00W[L1PNU03ITZM[MIZKP0V\WV03VW0aŁ!ŽŽ(,!žı!/#*#f\$Ž!Ł
- "ŽŁ; QVVM_1@fi/Ł@QVONZFiŁ>ZWIN TAWIKKWFi; IZDBIVIFi@QD]TIV/FiIVL=XQ/V/B3XW[]ZV4 =]VKWUMIIVL>ZIK\080/TUXT08I\02W[Ł/LL08\02W@K00WKKVIVL17Q08IT>ZIK\080/KL!Žžž.%ž/+\$'fIŽŁ
- "! Ł; QVWbQ@/: FiCNKKPQ@Fi2I ^VTQ, Ł; I QVWI VKM OW/Q\ \ZMI\U N/\[N/\Z VX:Q \/L.N/K/WL/W/ XZ/VD/I \/ WU N/\L1VKPZI V//2I \] JI [///Wk@fi\UU | \Q\$?/MOV/I [Ł! ŽŽ(,ž%!/Ł
- "" Ł 5 WWL; ; fi@WT. 7Fi/K] VI 85 f? WWU WY[KP @FI90U; 8L; MPI U XPNI U QVM] [ML

"° , ?DAHIEEI>; G&EB3 =; H7I; C; DIH

$$\begin{split} & \pm 3^{O} \text{WKMfUI}[\text{NL}; \text{ML020VMf} = J[\text{WZ02}[| VL 5aVI \text{WKVWO}a | 1f5 \text{WV} ± $/ \\ & \underline{P} \\ & \underline{P}$$

\$FF; D: **?**9, H \$FF; D: **?**\\$ 5 EC; DPH*; 7B> &EC C **?**1; ; - ; C 8; G+5**?**F

. 7C;

OEH? ?ED ED &EC C ?I;;

\$FF; D: ?\%/ K; GK?, L E<I>; :; K; BEFC; DI 7D: G K?, L FŒ9, HH&GI>?HH7I; C; DI '` fi/#, . '* "#1#(+, '*%Ž*" Q, "Ž/*%/&'. ./Ž/#) #*/

- $h @Z] K] ZMLKTQVGU TY] M[\QW[_ NZVLMNTWKML | VL | OZVML] XVVL$
- h / V] XLI WILTONZI \] ZV(MIZKP \WI V(_NZ \PIVKTOYOU TY) N(\OUV(_I () VLNZN SNWL)
- h /\\PM, IZKP!Žž(NIKM/NKM/KVKWUUQ/W/MUN/KVQ/CFNPM/MQ\Q/OK/W[NW[][fUI[ML ZVK/WUU/W/LI\QW[_NZV/Q/M_MLIVL]XLIV/L_PNZMIXXZ/WXZQ\V/JJ[[MLVW\PM I^IQIJT/JWLaW/MQ/W/KMIVLKTQ/Q8ITM/X/ZQML?/KWUU/W/LI\QW[_NZV/Q2LMLI[[MLW]\JMT/_Q/XXN/MLQ.OXIZ\0002

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; NUJNZ[_NZIVZIVY] ZIVLIVV] XLIVVNPNZZ QVIVZU I \QW I [[VVW I [VPNAIJNKWU MI_IZVMWI VA KPIVOV[I \WVPNZZ QVVZIV[I\[I VL VPNZIV_I [[I T[WI [N VLQYOIO VVLI QIVU I \ NIKP U NIXIQYO_PNZIV LNKTIZ \QW[WVQVVZIV[I_NZIVKI TIVLINVZI VL ZVKVZLNLI [XI Z VWVPNU NIXIQYOU Q] VV[L

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31 KP ZVKWU U NVLI VQW QY VQ 1 VTNOV(V VW NV Q Q2NVI V WNZI TTOZI LMI [XNZI VPNN J TVJ NAV_ fi JI [NILVW VPN×I VQWI T6NITVPI VL; NILOSI T?N[INIZKP1V] VKOJI <6; ?1/: NMV[VN3^QDNVKM VL 5ZI LM] VM?NKWU U NVLI VQW[NVZ 2MNVXNZ[VN5] Q MOZV[IŁD PNZIVWZVJ] [\M^QDNVKM_I [| ^ | 0 J T/J] \ VPNZIV_I [[] NNBQWV KVW[NV[] [_ QPQY VPVD VU NVe[6NITVP1VU U QVVMIKVW[NV[] [[J I] 0 J T/J] \ VPNZIV_I [[] NNBQWV KVW[NV[] [_ QPQY VPVD VU NVe[6NITVP1VU U QVVMIKVW[NV[] [[] I] 0 J T/J] \ VPNZIV_I [[] NNBQWV KVW[NV[] [[_ QPQY VPVD VU NVe[6NITVP1VU U QVVMIKVW[NV[] [[] I] [NIL ZVKVU U NVLI VQW[_ NZIVLMINIXINIL VZ NIQ\QYOVWM[] XLI VILI VLI ZVD NVVQUD J TVI [[] KPŁ1VW[NV[] [fi JI [NILZVKVU U NVLI VQW[_ NZIVLMI VVI NI VZ NIQ\QYOVWM]] XLI VILI VLI ZVD NVVQUD J TVI [] KPŁ1VW[NV[] [fi JI [NILZVKVU U NVLI VQW[_ NZIVLMI VVI NI VZ NIQ\QYOVWM]] XLI VILI VILI ZVD NVVQUD J TVI [] KPŁ1VW[NV[] [fi JI [NILZVKVU U NVLI VQW[_ NZIVL VVI QVVXII VZ NIQV VQU VVI VQVXAPN[NI ZVI PQPTQPVVIL VPZV] CPVI VI VL XZVVQ NXZI KVBI TO] QI VKIVNVI KODI VVDI XTVU NVV VQVXAPN[NI NI NI V LMNTVXNIL VPZV] CP KVV[NV[] [VVNPVVVZIVKVU U QVVINIŁ

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