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L[Xi Te\UXaTgeXbY` bgi Tgba TaWbcg` \f` VexTgX TsVb` cXafTgel ` bWkt #Hh\gg , **/43\$a j [\V &Ye XkT c_X& bgi Tgba X Xf` Tl UXXdhT_ba XIV f\WkbYg X VbaY\Vg&Uhg g X eXIfbaf gh XaWg X VbaY\Vg #be XagXe \agb aXZbgTgbaf\$` Tl UX WYXaXg Hh\gg #, **/\$ cbfgh_TgX g Tgg \f WfgaVgba` beXTWheTgXl eXYWf VbaWgbaf \a eXT_\Yg Ta Te\ZW` bWk \ai b_i \aZ Ta TufhgXVbaWgba bY hghT_l [hegaZfgT_X TgX @XZbX ba gh fl g Tg` bgi Tgba TaWbcg` \f` VLa UTa VXbaX Tabg X&j \g T_bj i ThXbYbaXVb` cXafTgXWYe U T[\Zl Xe i ThXbYg Xbg Xe(L^XT[lcbg XgVT_XkT c_XbYT VbaY\Vgj [XeXfl` ` Xgel \f eXIV XWj [Xa E k G 6 K&j [XeXceXWVgIU] E 6` bgi Tgba&G 6 bcg` \f` &TaWK6 fl` ` Xgel (L[XeXbeX&a T U_TgXeT VbaY\Vg # [\V Vbh_Wg XbeXgVT_l UX XkgTcb_TgXWgh` h_g_TgXeT VbaY\Vg g ebhZl ; XageT; bT\gba L[Xbel WfVhffXWUXbj \$4

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A g \f VIFX&g XcebWVg bYg Xi Tel \aZ i ThXf bYXIV ` bgi Tgba TaWbcg` \f` VLa XdhT_g X aXVffTel i ThXbYK Ye XIV f\WkfhV g Tgfl` ` Xgel \f eXIV XW&g XeXU TfgTgXbYeXIVaXf \f Tgg\ aXWLa WaXZbgTgbaf VLa fgTeg Ag \f XIf1 gh fXXg TgT_bj Xe i ThXbYE &fTl E 6 - &VLa UX Vb` cXafTgXWYe U T[\Zl Xe i ThXbYg&fTl G 6 l&fhV g Tgfl` ` Xgel VLa UXTM \X XW#YK 6 , +&j [TgX Xe g TgVbh_W XLa\$ Ag \f Tfb cbff\UXg Tg_X Xf bY` bgi Tgba TaWbcg` \f` ` Tl UX bccbf\gXUg Xa g Xg b f\Wf TaWf1` ` Xgel #eXIVaXf\$fg_eXIV XW&fhV Tf [\Zl ` bgi Tgba TaWbj bcg` \f` ba f\W9 &TaWbj ` bgi Tgba TaW\Zl bcg` \f` ba f\Wk: &UghfV g TgE k G Ye XIV f\Wfg_XdhTf g X` \a\` h` g eX[b_WbYK(HXe\ Tcf g X` bfg\` cbeg\agTWWgba gh e\cXaXf g TgHh\gg` T^Xf \f g TghaWYe [\f` bWYVgTgbaf&g X[hegaZfgT_X TgXab_baZXe [Tf gh UX` hghT_#WcXaWaZ hcba g X` bgi Tgba TaWbcg` \f` bYg Xbg Xe f\Wk&TaW\ a fb` X VbaWgbaf baXf\Wk` Tl UX XcXaXaVaZ T[hegaZfgT_X TgXj [\Xg Xbg Xe \f XcXaXaVaZ Ta XagVaZ bccbeha\g^1 &TaWTWbhagf Ye g Xcbff\U\g bYWYXe\ aZ eXIfbaf Ye ` bgi Tgba \a j TagaZ gh XaWbaY\Vg #Hh\gg+3314, -2\$ O [Xa e\cXaXf \f XcTaWVLaW\g i Te\bhf cTeg TeX gXgXWf i Te\U_Xf eTg Xe g Ta Ta TufhgXfgTgXl lcbg Xf UXb` XgXgIU_X gh T` hV ZeXgXe WZeX#Hh\gg, **/4+, \$ E bgi Tgba TaWbcg` \f` TeX\ai ThTUX\ a T Vb` UaXWe\cXaXf ` bWk(

*/ AQZ\UMZYEQPUQ]

F XZbgTgba eXIVaXf \f T g Xbel fXcTeTgX Yb` eXIVaXf TaW\ f chg Ybeg U KcXVbe # **, \$ AgTfb \f` Xlag gh UXTa TWWgba gh QIeg` Tarf e\cXaXf TaW\ f UfXWba g X VbaVXgbY ` \gTel eXIVaXf s((([\V X c [Tf\Xf Ubg g Xj _aZaXf DQG VlcTVg gh TVgbe eXcbaW\ a Te` XWbaY\Vg\ghTgbaf(t #KcXVbe, **, 413\$ O _aZaXf TaWVlcTVg Tfb Ye` g XUf\ f Ye j [Xg Xe be abgTcTeg \f eXIV gh aXZbgTgX KcXVbe \f haj _aZ gh VbaWVWg Tgg XcXeVc gba bYT [hegaZfgT_X TgXTaWg X` bgi Tgba gh aXZbgTgXeXceXagTfhYV\Xag VbaWgba gh \a\gTgX aXZbgTgbaf j \g bhg TWXdhTgX VlcTVg gh fhWVfYh_l aXZbgTgX ; TcTVg \f WY\ aXWf T eXIfbaTUXs(((WZeXbYcb\gVT_f^ _eXf bheVf TaWcbj Xe(((t #KcXVbe, **, 43*\$ aXVffTel gh [Ti Xg XcbgXagT gh fhWXXW @Xcbfgh_TgX g Tgf [bh_WT cTeg abg [Ti XfhYV\XagaXZbgTgba VlcTVg #ghb_f&gT\ aZ&eXf bheVf\$ g X j _ UX` beXj _aZ gh YZl gbhg bYXTe bYTcbj Xe be

cbffXf g XeXdh\fgXT bhagbYj _aZaXf #KcXVbe, **, 413'2*\$; TcTVg _a^f gh bcg` \f` \a Hh\grf` bWX4a T VIFXfhV Tf g XbaXWV\UXWUbi Xg Xe bcg` \f` j bh_WUXfhY\Xagl bj & UIFXW ba g Xe TV^abj XWZXW TV^ bYf^ \&fb Tf gh ceXVhWK eXIV\|aZ fl` ` Xgel(O_aZaXf TaWVcTVg TeXcXeVcghT YIVghf g Tg` P^XeXcXaXf` beXeXcbaf\i XTaW\ Xcf gh cebi\WKTUXggXe Kc_TaTgba bYj [1 cTegX XagXe\agh aXZbgTgbaf #KcXVbe, **, 43/ \$

6 TM^Q +3EQMQP GTQZ IQ

Gg Xe g XbeXf eXTgXWgh eXcXaXf TaWeXIWaXf TWWgh g XVb` c_XgXaXf bYT Vb` UaXW ` bWX(L[X [Xc gh Xkc_T\|a [bj TWWgbaT_achf\|agh g X` bWX TYXVg` \cXW Xag gh aXZbgTgba TaWcbgXagT_ XIWgh eXcXaXf(A g XfghW bYbg Xe g XbeXf |g|f` \cbeglagh_b^ TgUbg gh bfXg TgTWWTaWg bfXg TgWgTVg\|a beWg gh Z\|a T` beXVb` c_XgXhaWefglaWaZ

+* EQU^M^EQMUZY

9 _ |gTgba bYecXaXf \f eXWceXWgh Tf qeX\fglag eXIVgbaf #QTeg` Ta ,***4, -2\$; b` ceXfXWbY Yhe VlgZbeX&ba\ gh b j _ UX Kt \aXW[XeX^2 L[X Yefg\|f gh Tg bYT ghX UX\X Xe(L[\|f \|f j [Xa&WIX gh \Wb_bZ\|T_be eX\Z\bhf UX\Xf&aVeXIFX \a c\|a XIWabg gh T [hegaZ fgT_X TgXUhg gh Ta \aVeXIFX\|a eXf_b_j Xgh VbagahXg XYZ\|gUX\X \aZ\|a gh XfhcXebeg bYbaXf UX\Xf bi Xe gh Xbg Xe #QTeg` Ta ,***4, -3\$ Ag\|f XIF\ gh ` TZaXTf\ghTgba j [XeXVbe Kt c_X\|a KgeX \fgeX\Z\bhf Zebhc UX\X Xf gh TgfhW\|aZ TaWc\|a TeXTgXf Yb` gh Xe W\|g(L[\|f V\|hfX Tf\ghTgba j [XeXg Xc\|a |hfgYXf gh XeXaXj T_bYXYbef(<XV\|baf gh VbagahXg X VbaY\|Vg\|a fc\|gX bYT [hegaZ fgT_X TgX V\|a ` P^X\|g WYVh_g gh ^abj j [Xa T ecX` b` Xag\|f eXIV XWIF Y\|g ` T\| eXaWcT [hegaZ fgT_X TgX X\|aZ\|f(; baY\|VgeXf_bhgba XYbef UXj Xa WfgaVg\| WYXeXagghXUX\X Xe Zebhc fTeX` TWX` beXWYVh_g WIXgh Vb` ` ha\|V\|gba cebUX f eXh_gaZ Yb` T Y\|_heXgh haWefglaWg Xbg Xe f\|Wf\| agXefg TaWYaWVb` ` ba ZebhaW#DXaZ TaWJ XZ\|a ,**-4. -- \$j [\|V ` T\| WX\|T gh XbafXg bYecXaXf be ceX Xag gh XeXcX` b` Xag Yb` UXaZ fXmXW Ki Xaffba #, **1\$&agXceXgaZ DXaZ TaWJ XZ\|a #, **- \$&f\|f4sKghW\|aZ \agXefgTgX VbaY\|Vf &g X eXcbeg gh Tg WYXeXa V\|a eX\Z\bhf \WagghX \a VbaY\|Vf YhZ\|g UXj Xa Vhag\|X f\|Za\|YV\|ag\| W\|XeXIFX gh X _ ^X\| [bbWbYfXggX Xagt #Ki Xaffba , **143-, \$ >beghaTgX\| &g\|f cTcXe WX\|f j \|g eXcXaXf TaWabg_TfgaZ fXggX Xag &TaWIF j Tf fXa \a +33- ecX` b` Xag V\|a fg_ UXeXIV XWIFh` \aZ Tha\|TgX_T_fb_hgba \f abgcbff\UX Ag\|f WYVh_g gh ` TZaX\|bj T ecX ` b` Xag Vbh_WK\|fg Ybe T ghX UX\X Xe&Uhg gh X V\|a &Tf fXa \a gh XGf b 9 WbeWUXj Xa gh X H\|Xga\|a D\|UXeTgba GeZ\|a\|mTgba TaWg XAfeIX\| Zbi Xea` Xag FbgXg TgT Y\|_heXgh ` c_X Xag gh XbhgVb` X bYg XTWbeW W\|X abg g\|^X Tj T\| Yb` gh X Y\|Vg gh Tg gh X` b` Xag j Tf ecX Ybe aXZbgTgbaf #QTeg` Ta +3314+32\$

J XTgXWgh gh X VbaVcgh bYT ghX UX\X Xe \f gh X Vh_ghex gh Tg fhccbeg gh X abgba bYghX UX\X Xef #-^j hTV\|>beW, **34, 3\$ L[\|f \|f V\|Xe\| fXa \a Ubg fXh_Te TaWeX\Z\bhf Zebhc(B\|cTaXfXfXyfTveYVXWhe\|aZ gh XKXbaWO be_WO Te\|f Ta Kt c_XbYg X Ybe` Xe TaWg XUX\XY U KgeX \fge hf\|` f bY\| ` XW\|gXeXj TeWa gh XTgXe\|X Tf TeXh_gbYW\|aZ Ybe gh Xe V\|hfX\|f Ta Kt c_X bYg X TggX(; h_ghex

e/cXaXf \f abg TV\X XWUXj Xa UX\ZEXag bYg\ f aTgeX L[X\Wb bZ\VT_ ZebhaW g Tg V TeTVXefXg X; b_WO Te \f baXfhV XkT c_X O XgXea WX bVeTgV\VC\gT\fgfgTgX YVXWbY j \g fbVT\fgVb` ` ha\fgXIfgXea fgTgX Ye bi Xe Yeg l Xlef(L[Xq \Vbel r bYg XO Xg VT Xabg g ebhZl T aXZbgTgXWfXggX Xag&abe Ta TW \ff\ba bYg XfhcXebeg bYbaXbi Xe g Xbg X&abe j Tf g XEX Xe T VbaY\Vg Xa WaZ e/cX` b` Xag Aa g\ f f\ghTgba \g j Tf ha\TgXET \Wb bZ\VT_ ` Xlaf g Tg j ba g X VbaY\Vg\j \g bhg g X_bf\az f\WXTVhT_l Xkc_\Vgl TW \ggaZ g Tg g Xbg Xe [TWTfhcXebe fl fgX (

O TgXe #331\$ abgX g Tg eX\Z\bhf WYXEXaXf c_l ab f\Za\YVlag eb_X\ a g X WYVh_g XkcX\XaVW\ a g X fXggX Xag bY\agTfgTgX VbaY\Vf g bhZl &Tf TUBi X&g X Wb \a \agXefgTgX VbaY\Vf(s(((j XP fhccbeg j Tf bYXEXWYe g X VbaaXVgba UXj Xa eX\Z\bhf j Tef TaWg X TUXaVXbYfXggX Xag #O TgXe +3314- /0\$ L[\f \f f` c_l WIXg g XZaXET_WYVh_g \a g X chefh\gbYU_TgXET_fb_hgbaf g Vi_l_j Tef #O TgXe +3314- /0\$ TaWabgf\ Xbj T` \gZITgba bY ghX UX\X Xef)Vh_gheX g Tg fhccbeg ghX UX\X Xef³ Ki Xaffba [Tf g\ f g fTl TUbhg fb_i\az VbaY\Vf \a TghXUX\X Xe VbagXg

(((h_g' Yl\g WT_bZhX` Tl abg UXg X` bfg\` cbegTag ce\be\g \Yj Xj Tag g fXX j Tl f g eXWVXTe XWbaY\Vf(E hV bYg Xcb_l\m cebZeT f WXT\azj \g eX\Zba TaWbaY\Vg [Ti XUXa Uh\WaZba g X` c_l\VgTffh` cgba g TgeX\Z\bhf V_XI TZX Xa [TaVX \ageTVgTU_l\g bY VbaY\Vf TaW g Tg eX\Z\bhf Wff\` \Te\g g XEXbeX VbafgghX T fX XeX bUgTVX g cXIVXh_fb_hgbaf(P Xg g\ f Tffh` cgba \f abg X c\e\VT_l fhccbegXW ; baY\Vf j \g cTegX UX_baZaZ g WYXEXag eX\Z\bhf gTWgbaf TeXabg` beXWYVh_g g fXggXg Ta VbaY\Vf j [XEXcTegX UX_baZ g g X fT XeX\Z\bhf gTWgba #Ki Xaffba , **143. . \$

AYghX&g\ f fhccbf\gba VLa ceci\WXbcg` \f` Ye g bfX\ai b_j XW\ a VbaY\Vf j [XEX WYXEXag eX\Z\baf TeX eXeXfXagXWba i Tebhf f\Wf(@bj X Xe \g Tfb` Xlaf g Tg g XEX aXW g UX T eXbVhf bYXVbeg Tj Tl Yb` gel\az g eXbaV_X eX\Z\bhf WYXEXaXf TaWbVhf ba g X WeXVg VhfX bYg X VbaY\Vg

+ + EMUZYM6 TZIQ

Hleg bYf[bV` g Xbel #WfVhffXWUXbj \$ fgTgX g Tg` cXW Xag TeX bYXa UfXWba \eeTgbaT_ V\b\Wf` TWKU_XIWef bYg XcTegX g g XWfchgX&TaWfb` Xg \az fhV Tf T f [bV` VLa VhfX_XIWef g eXg\ a^ g Xe fgeTgXl \a T` beXeTgbaT_` TaaXe(L[\f Tffh` Xf g Tg g X WXf\baf [Ti XUXa \eeTgbaT(J TgbaT_ V\b\Xg Xbel VbagTWVf g\ f Tffh` cgba&TaWeTg Xe g Ta eTgbaT_l Tf T cfl V\b_bZ\VT_ VbaVXg #(X eTgbaT_l\g 6 fXafX TaWfbhaW]hW` Xag&g\ f TeZXl Ta Xbab` \VbaX# [l\ V\ f Tcc_lXW\ a bg Xe fbVT_fVXaXf\$a j [l\ V\ TVhef j _Tj Tl f` Tk\` \fXhg_l\g #be XkcXVgXWhg_l\g \$ UfXWba g X\ a Ye` Tgba Tg [TaWj \g j [l\ V\ g` T` Xg Xe WXf\baf # Xel f` \Te g VbfgUXaXVgTaT_l\ f Tf WfVhffXWlbi X\$ 9 WbeWaZ g g\ f g Xbel &YT WXf\ba \f abg eTgbaT_l\g` hfg g XEXbeXUXXg Xe qXkgTeTgbaTr g Tg\ f hg_l\g` Tk\` \fTgba \a g X\agXfXgbYg XZebhc TgTa \a Wi\WIT_Vbf5be qeeTgbaTr j [l\ V\ \a g\ f \afgTaVX` Xlaf g Tg g X WXf\ba aXg Xe` Tk\` \fX hg_l\g Ye g X\ a Wi\WIT_be g XZebhc #, [baZ, ***4+, \$

³ <he\az g XcXebW+3. *13* ba_l , * cXVXagbYagTfgTgX VbaY\Vf eXIV XWT aXZbgTgXWfXggX Xag Tf bccbfXWb // cXVXagbYagTfgTgX VbaY\Vf #O TgXe +3314- / \$

<XVfbaf TeXabg` TWK D SURU&TaWTeXfhUjXVg gh fX XeT YVghef(GaXfhV YVghe /f VbafgTagf&fhV Tf g Xah` Ue bYgTaXWfb_WXef be gla^f Ti T_U_Xgh Vb` ` \ggh T UtggX&TaW s(((Ta TZAg /f Tffh` XWgh ` T^X g X XIF\UX V b\X #XIF\UX \a g Tg \g /f abg ceb[\UgXWU VbafgTagf\$ g TgeXh g /a g X[\Z] Xgcbff\UXi ThXbY[\f be [Xe hg \g i ThX((t #? eXXa , **, 4 /\$ 9 a ` cbegTagf[begV` \aZ \f g Tg \g /f TfgTgV` bWX&g Tg /f \g ba_ TWbhagf Ye T V b\X ` TWK TgTfcXVYVg` XTaWWTaabggT^X\agh TWbhag V TaZaZ VeVh` fgla V f baVXg XWVf\ba /f ` TWK#? eXXa , **, 4/\$ >_Tj XWbe j ebaZ \a Ye` Tgba hfXWgh ` T^Xg XWVf\ba WbX abg` T^X g XWVf\ba \a [XeXag] \eeTgbaT_\Yg XqWVWVer UX\X Xf g X\ a Ye` Tgba gh UXTWheTgX&be Tg _XIfg g XUf g \a Ye` Tgba Ti T_U_X&abe WbX RXU\` cXeXVg haWefgla WaZ bYj [Tg \a Ye` Tgba ZH g \a^ Tabg Xe TVghe /f Uif\ aZ g Xe WVf\ba ba ` T^X\g \eeTgbaT_ #XXHbccXe #, ***\$ Ye T ` beXXk[Thfgi XWfVhff\ba ba J TgbaT_ ; [b\XL[Xbel \$ 9 a XkT c_XbYTa bUfXi Xerf YLj XW haWefgla WaZ bYTabg Xerf eTgbaT_ V b\X\ f YhaWa 9 _fba #-303\$4

((aTgbaf dh\g j [Xa Vbfg bhg XZ] g X UXaXYgf(F beg N\XgaT j _ fheeXaWe j [Xa f[X eXl_nXf qf Tg VbagahXWYZ] gaZ Vla ba_ ZxaXeTgX TWWgbaT_ Vbfg j \g bhg [bcX bY Vb` cXafTgaZ Zl\af& g \f XkcXVgTgba UXaZ TeZX] g X VbafXdhXaVXbYg XceX \bhf

cbff\UXgh ^abj g XfgTgXbYThUIgh` \VcTegVXhag_\g\fbUFxi XWs(((XIV TaWX Xel cTegVX
[Tf TcebUIU_\g bYUXaZ\Ta Tal fgtgX AgWbX abgX\fg\Ta TcTegVh_TefgtgXhag_\Ta XkcX`\ XagX
bUFxi X\g #H K, *++\$ KVenWaZXe cebcbfXW[\fg bhZ] gXkcX`\ Xagb WX bafgeTgX[bj g X
g Xbel Yf Tf TcTeg TgfVI_X TeZXe g Ta g XfhUIgh` \V#Ma^abj a , ***\$ Ag\fgTgXW\af\ c_X
gX` f Tf Y_bj f4 T VIg\fb_V^XW\agb T fXI_XWUbk(Af\WX g X Ubk TeX T f` T_ T bhag bY
eTWbTVgi X` TgX\T&T? XZXe VbhagX&Ti \T_bY[l VbM Ta\VTV\W#cb\fa\$&TaWTF` T_[T ` Xc
L[X VIg\fb ceX XagXWYb` \agXIVgaZ j \g g Xbg X` gX f \a g X Ubk(L[X\gX f TeXe\ZZXW
ghZXg XefhV g Tg\Yg Xex\fb Tal T bhagbYeTWbTVgi XWVII &g X? XZXe VbhagXj _ WgXVg\g&
j [\M j _ VlhXg X[T ` Xg Yf TaWUeXI^ g Xi \T_bYcb\fa&j [\M \a ghea cb\fbaf g X VIg&
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cXebWbYg` X : XVlhXg X Ubk \fbXI_XW&g VLaabgUX^abj a \Yg X VIg\fb T_i Xbe WXIWTg Tal
Zi Xa ` b` Xag&TaWg XexXbeXg X VIg\fb Ubg T_i X DQG WXIWTgg XfT Xg` X Ag\fb a_l j [Xa g X
Ubk \fb XaXWLaWg\fb cbff\UXgh bUFxi Xg X VIg g Tgj X^abj \Yg\fb TVhT_ T_i Xbe WXIW&g Tg
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fb Yfba_l baVXg X\afYe` Tgba hfXWgh` T^XT WXV\fbaf\fb^abj a VLa j XhaWVefgLaWj [Xg Xebe
abg g X WXV\fbaf j Tf eTgbaT5 ba_l baVX g XaXZbgTgbaf TeX fhWXffY_ VLa j X^abj \Yg X
f\ghTgba j Tf e\cX Ag VLa g XexXbeX UXfgTgXWg Tg g X V\b\X\fb f` h_gLaXbhf_l eTgbaT_TaW
\eeTgbaT_TaWg Tg VbaY_Vg TeX Ubg e\cX TaWhae\cX Ye aXZbgTgba hag_j X VLa bUFxi Xg X
bhgV` X AYaWg\fb \agb_XeTU_X&TaW\af YVg KVenWaZXe hfXWg X XcXefXgh WX bafgeTgXg X
UnfTeXaTgheXbYdhTagh` ` XM Ta\fb(Ag\fa^ g Tg\g WbX Ta TW \eTU_X]bU bYWWV\UaZ g X

g Tg g XTZeXX Xagj \ UXTW XeXWg # (X ZeXIgX qLhl \ar j \ ` P^XcTegXf YX g Tg g X [TWT
eb_X|a g XcXIVXcebVxf TaWg XeXbeXg X [Ti XT i Xf gXWagXf g|a fXXaZ g XcXIVXfhWXXW
HlegbYg Xf gTgZI bYT VAgT VbT\gba |f g| aVhWg X` Tjbe|g bY| Tj ^f ba XIV f|W&fhV
g Tg g Xg bfXj [b TeXabg|aVhWXX# Ti XabgeXIV XWeXIWaXf\$ TeX|fb_TgXWYeb` g XeXf g|a Ta
XYbegb cb_gV| \fb_TgXg X (FbgXg TgabgT_[Tj ^f TeXVlcTUXbY \gTel be cTeT \gTel
TVgba TaWg XeXbeXbaVX|fb_TgXW Tl abg UXTU_Xg TVg Tf fcb_Xf(9 ` beXaTebj VbT\gba
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cTegXf #XcXV|T| [Tj ^f\$ g Tg j XeXabgcTeg bYg X VbT\gba #Hh\gg, **14+/-+0\$ L| XeX|f
fgbaZ\` cXhf YbeZebcf g UXb` XT` X UXebYg XWAgT VbT\gba g XafheXg Tgabgba| TeX
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cebVxf UfXWba T VAgT VbT\gba V|a X XagT| [Xc 9 V| Ta|fg|a g eXb_i Xg X|afheZaM
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fhWXXa&Waf|W|eIU_XVbfgbe ZeXIge|f^&Ta WXXa XaWaZba g XXkTVgaTgheXbYg Xf|bV |gV|a UXT
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_XZg` TgX_XIW e # T|Wfcb^X` Ta\$&j [b |f Ta bUf|VXg e|cXaXf&j |g Tabg Xe j [b |f ` beX
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ba Ubg f\Wf bYg XVbaY\Vg\ a beWWe gh UXaXVgeCXAxf(Ag\ XaXj _XIVWe UX\X Xf \a gel\az gh
` bi Xghj TeW TcebWff gh` TaTZXbe eXfb_j Xg XVbaY\Vg&gh X ` Tl UX\ a Tcbf\gba gh eX bi X
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_XIVWe Ybe cTfg gTafZeXf\ baf5 Ta TW \ff\ba bYZh\g` Tl UX aXXfTel UXbeXg XcebWff Vla
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6 TM^Q , 38 YSMUYS J UT EΨ QXQ]

J \cXaXf TaWg XTffV\TgXWg Xbe\Xf V\ a UXhfXWgb VeXIgXTg XbeXg VT_ Yf` Xj be^ j \g \a j [\V\ gb XkT \aX g X cebVffXf g Tg _XIW gb \g L[X YbeXZb\az g Xbe\X&\Y TWbcgXW U ceTVggbaxf&V\ a [Xc g X gb eXbZa\ fXe\cXaXf TaWj be^ gj TeW \gj \g cTegXf \a VbaY\ Vg O [Tg Y_bj f \f fb` X` Xg bW bY VeXIgaZ e\cXaXf TaWg X \agbW\ Vgba bYg X ; b` UaXW J \cXaXf E bW\

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L[\f \f abg Ta TeZh` Xag Ybe Wb\az abg \az(((Kgf\ aWaZ UIV^ ` Tl Tfb UX \eeXcbaf\U_X 9 aWgb T_bj TV\g\fgbc [Xgb [TccXa \a g X ` \fg^ Xa i \Xj g Tg V\ f\ TaWgIZXW TeX ceXeXdh\ f\gXf gb fhW\ffYh_ Wc_b` TM abgba_l \ZabeXf g X Vbf g bYVbaY\ VgUhg\ f f [beg\Zl gXW fb` X Vbfg_l VbaY\ Vg [Ti X abg _XW gb fXgg_X Xag&TaWfb` XfXgg_X Xagf abg UXXa ceXVXWU Vbfg_l VbaY\ Vg #@Tfff +33*4+. +\$(

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g XXg cX bY\achf VIa \a YhX
g Tgg XhfXbYTal Zi Xa UeTa V
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fXXVgqaXZbgTgX Tf g Xe VbhefXbYTVgba(F b aXZbgTgbaf j XeXYbeg Vb` \aZ L[XThg bef Zi X g X Y_bj \aZ eXIfba Ye aba'aXZbgTgba4sF XZbgTgbaf \YE TeVf [TWfgh_Xa g XXXVgba Yb` ; beTmba 9 dh\ab TaWeXceffXWHbc_XHbj Xet+ #<ehV` Ta TaW? eXXa +33/4-+* LTUX+,', \$ L[\f eXIfba \f hafTgfYVgbel 5g \f TVgba j bh_W[Ti XWXeXfXW_XZg` TM 'fgh_Xa XXVgba' TaW \aVeXfXWexTgi Xcbj Xe 'Vbgeb_F TgbaT_9ffX U]' #VfX 1: ba LTUX+\$ TaWg XeXbeX g X VbhefXbYTVgba j bh_W[Ti XUXXa qWb abgaXZbgTgX \a Tal VfX#gj XTghT_bhgV` XG GaVX TZT\agf XVb` UaXWecXaXf` bWX_VIa cebi\Wfb` X\af\Z] g \agb j [TgceX XagXWaXZbgTgbaf Tgg \f g` X

AgfXX f g Tg g Xj \aW bYV TaZXj XeXUbj \aZ&TaWg \f j Tf \^X] cXeVXi XWU g X \afheZAgf(AY g \f \f g X VfX&XagTc` Xag` Ti [Ti X ceX XagXWg X Yb` gel \aZ gh bcXa aXZbgTgbaf&fXaf\AZ i \Vgbel j Tf j \g \a g Xe Zeffc j \g bhg [Ti \aZ gh Zi X ZebhaW \a aXZbgTgbaf(; Xeg\la] g X j bh_Wabg [Ti XUXXa TUXgh cXeVXi XT aXZbgTgXWj Ti bhgbYg X fghTgba j \g E TeVf [TaZaZ ba gh cbj Xe #ff g \f [TWY\XW\ a g XcTfg(9 gg XfT Xg` X& g X j bh_W[Ti Xi \Xj XWg X ghYVTr eXh_g bYg X XXVgba \ai T\W TaWg Xe` bgi Tgba gh aXZbgTgXj \g Ta \XZg` TgXXVgba fgX\ aZeXZ` Xj bh_W[Ti XUXXa_bj (: l g XfT Xgh^Xa& g Xe bcg` \f` Ye Yi bheTU_XaXZbgTgba eXh_g j bh_W[Ti XUXXa_bj (K\ \Te] &g X` bgi Tgba TaWbcg` \f` bYg XeXZ` Xj bh_W[Ti XUXXa_bj Tf4T(E TeVf ^aXj [X[TWfgh_Xa g XXXVgba5 TaWU fhccbeg j Tf Zebj \aZ Ye g X \afheZAgf&XcXVt_1 T baZ g X` \gTel(Ag VIa UX XceXfXW g hf] # [XeX g%h TaWi TeX [\Z] &bj TaWaXhgT_ iT hX&eXcXVgi X] 5 E \f` bgi Tgba&G \f bcg` \f` TaWK \f g XWf\ eXWfgTgXbYfl` ` Xgel 5fhUFV\cgJ eXceXAgf eXZ` X TaWfhUFV\cgAeXceXAgf \afheZAgf\$4

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J\cXaXf j Tf abg` Xg \a g \f VfX Ye fghVgheT Tf j X_ Tf cXeVXghT eXIfbaf(>be XkT c_X E TeVf&j [_X gX\ a\VT_1 UXaZ T i T\Wfcb^X` Ta Ye g X Zbi Xea` Xag&ab_baZXe_XZg` TgX] eXceXAgXWg XcXbc_X \a g X X X bY` Tal bY[\f Vgmxaf TaWg X \agXaTgbaT_Vb` ` ha\g(Fbej Tf [XfhYV\Xag] fgbaZbej XI^ cb\gVT_1 &Xg Xe gh YeVXVb` ceb` \fXbe gh [Ti X Vb` ceb` \fX YeVXWhcba [\` &WIX gh g X XkVcgbat_aTgheXbY[bj [X[TWeX T\ aXW\ a bYVX A Tal VfX&E TeVf fgXcXWVb] a \a f[beg beWVe WIX gh cbch_Te bccbf\gba TaW \agXaTgbaT_ceXfheX&TaW9 dh\ab Tfhh` XWg XceX\WAM(O g T aXj_XIWe&eXtgi Xcbj Xe TaW_XZg` TM_X Xf f[\YXWfhV] g Tg \a g X Y_bj \aZ l XTe e\cXaXf j Tf Tgg\TaXW&T VXiXfXeX WXVTeXW&Ta WaXZbgTgbaf haWegT^Xa(

+ L[\f WWa YVg[TccXa Ye Ta XgeX X] f[begcXe\WbYg` X&Whe\azj [\V aXZbgTgbaf j XeXabg\agTgXW K] beg] Tg g XXXVgba E TeVf WWa YVgfgX Vb] a \a Yi bhe bY9 dh\ab&WfVhffXWYheg Xe UXbj (

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hfXh_aXf bY\g VT` f(@Xcb\ag bhgfX XET_\` \gTgbaf bYe\cXaXf \a g\ f VbagXkgg Tgf[bj \g
j XP^aXfX&[bj X Xe \g j _ UXf[bj a g Tg` bfg bYg XX_\` \gTgbaf VIa UX bi Xeb` X\Yg X
Vb` UaXWecXaXf ` bWX_ \f hfXW A beWk gh fghVheX [\f TeZh` Xag&[X Y_bj f fX XET_
cebcf\gbaf Yb` QTege` Ta #, ***\$TaWbWxf V\gdhX \a g XF beg Xea AXTaWbagXg

L[XTegVXfgTgX g Tg\g\ f _^Xl g TgT` hghT_ [hegaZ fgT_X TgXj Tf eXIV XWUXj Xa
g XA 9 TaWg XZbi Xea` Xag bYg XMa\gXWC\ aZW` \a +33*&TaWg \f \f X \Wk XWU g XYVg
g TgXIV f\Wj Tf TUXgh [hegg Xbg X UhgabghWXXWa Tha_TgXET_eXb_hgba(Ag\ f \aWVTgXW
g TgT[hegaZ fgT_X TgXf\` c_ UXj Xa g X Xg b cTegX \f \afhYV\XagTf g X Xj XE` Tal ` beX
cTegX gh g XVbaY\ Vg g Ta \hfgg XA 9 TaWg XMC Zbi Xea` Xag 9 Yeg X TeZh` Xag\ f g Tg\g\ f
ha_^Xl g Tgg X Xj Tf TcXVXgba bYTj Tl bhgT baZfgT_g XUX_ZXag(@XTeZhX g Tgg X
fhUXVgi XaTghXbYT` hghT_ [hegaZ fgT_X TgX#X Xa \YUIfXWba bUXVgi XYVbef\$ \f aXTe_]
\` cbff\UX Ybe bhg\Wxf gh cXVXi X&^abj \aZ j [Xa \g [Tf UXa eXIV XW gh TVg hcba&TaW
g XEXbeX\ f abgT ceTVgVT_g Xbel (L[XTegVXTfb gT^f TUbhg g Xf[begVb` \aZf bYe\cXaXf \a T
` h_g_TgXET_fVXTe\ b TaWg XWYVh_g bYT_g Xf\Wf cXVXi \aZ T` hghT_ [hegaZ fgT_X TgX
f\` h_gTaXhf_](@XVbaVhWf j \g 4s: hg\YbaXj Tag gh haWxf gTaWj [l g XcXIVXcebVxf bY
g X+33*f VT XTUbhgTaWeXh_gXW\ a g XR' bbW>e\Wl 9 ZeXX Xag&Tj \Wk VbVf \f aXWVWg Ta
Ta Tcc_VIgba bYe\cXaXf

XVT_TgXg XVba Y_Vg L[XfghW Tfb X ThTgX bcg` \f` j [XeXWIXgb TfX\X bYWX XVT_Tgbel
` XIfheX ba Ubg f\Wf j [\M \aVhWXXW XIFXyeX TaWfXVeXg` XXgaZf&Hh\gg eXcbef g Tg
bcg` \f` j Tf efaZ ba Ubg f\Wf Tf XTe_l Tf +322(; baWff\baf VbagahXW\ a T VbaV_Tgbel
fc\ eT_hc hag_g X+331 A 9 XIFXyeX'j \g_g XXYXgbYheg Xe \aVeXif\ aZ bcg` \f` ' g Tg VihfXW
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abgTgbaT_l \aWVIgXWIf Y_bj f # [XeXg%h TaWi TeX[\Z] &bj TaWaXhgT_i ThXf&eXcXWgi Xl 5
E \f` bgi Tgba&G \f bcg` \f` TaWK \f g XWf\ eXWfgTgXbyfl` ` Xgel 5 fhUfV\cg? eXceXagf

5 UNWZS\M\Tb

4 ?? <FBA% 'G' #303\$'; baVxcghT_E bWxf TaWg X; hUta E \ff_X; e\ff"&>KH, PHUFDQ
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4 EEBJ %>'=#+30-\$=RFIDO. KRIFHDQG4QGIYIGXDO@DOXH&F Xj @Ti Xa4PT_XMa\i Xef\g HeXf(

5 E4 @F%F'=#+33*\$8 HJRVDMRQ2 DP H&F Xj P be^4J bhg_XVZX

6 ; BA: %>' #, ***\$ <DMRQD06LYHV8 RUP VDQG @DOXHIQ: ROMFVDQG=RFHW& [\VIZb4
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6 B?8 @4 A%CG' #331\$J XWY\|aZJ \cXaXf49 Kb\T'_Hf1 V\ b_bZ\VT_HXefcXgi X& HDFHDQG
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6 EB6 > 8 E% '4' #+33, \$

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FC8 6 GBE %5 ' < #, **, \$'F XZbgTgba J XIWaxf \a g X< X Xbc` Xag; bagXkg49 WWaZ; TcTVg
gh J \cXaxf"&a BbaZ&@(' O (#XV\$, SSURDFKHVR : HDFEXIQQI &F Xj P be^4HI_Zefi X
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FI 8 AFFBA %& #, **1\$">Zl gaZj \g >Tlg 4J X\Zba TaW; baY\vgJ Xfb_hgba \a ; \i _O Tef"&
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HA> ABJ A #, ***\$ =FKURGIQHUV. DW RP HV4QMR @IHZ & Bh_l &RGa \aXS&9 i T_TU_X
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L4 EG@4 A %&J ' #+331\$' =kc_T\|aZ Gf_b"&4QMLQDMRQDOS HIRVDMRQ

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< ehV` Ta& (#XV\$. RQIQFWUHRCVMRQDIWUWKH. RGA DU&O Tf[\aZgba&< ; (4F TgbaT_
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L4 EG@4 A %&J ' #, **+\$'L[XL` \aZ bYHXIVXA\gTgi X4@hegaZ Kgt_X Tgf Ta WJ \cX
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L4 EG@4 A %&J ' #, **0\$L` \aZ Tta WJ \cXaxf"&a KV aXW&9 (C(Ta W@baX` Ta& (#XV\$
>KH8 HIRVDMRUV1 IHQERRN&O Tf[\aZgba&< ; (49` Xe\Va : Te9 ffbVTgba KXgba bY< \fchgX
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L4 EG@4 A %&J ' Ta WFB GB %4 '7' #, **+\$>IP IQI 7 HGDMRQ4QMDMYH&O Tf[\aZgba&< ; (4
Ma\gXWkgTgf Af gghgXbYHXIVX