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@Q )<B722C!" Q&QC!#OMM=;3C!" Q(QC!;3R!#042C!" Q' Q!G@KSDHQ!! \$!6535C! AC!;MM5N2736!2A5!47M5!N8N45!MO<=15\_ :<5115R!73!P  
Q!X53527N1!@?@L!J IJII!G!N72;27031H!  
DQ - ;4;=8C! - Q#QC!% ;A;7=C!VQ) QC!#OMM=;3C!" Q(QC! / ;6R08;3C!9QC!+b" 0330<C! - Q / QC!;3R! - 7445<C!^ Q , Q!G@KSIHQ! \$ !M<;=51A7M2!  
=B2;2703!;2!2A5!cB3N2703!OM!;3!T (@!7315<2703!Y72A73!4;Nd!<5120<51!PJ6;4;N2017R;15!;N27U728!U7; !MO<= ;2703!OM!;3!;N27U5!  
4;NdJT (@!MB1703! :<02573Q!^ Q! - 04Q / 704Q!@S@L! I I J I I Q!G@? !N72;27031H!  
JQ #OMM=;3C!" Q(Q!;3R! Z<76A2C! \$ Q!G@KSIHQ! , B17031!OM!15N<525R! :<025731!20!;4W;4735! :A01 :A;2;15L! \$3!; : :<0;NA!MO<!12BR8736!  
:<02573!15N<52703Q!V<ONQ! . ;24Q! \$N;RQ! (N7Q! \* ( \$ !SDL! I @ ? FJ I @ @ @ Q!G ] > ] !N72;27031H!  
>Q #OMM=;3C!" Q(QC! , 71A=;3C! e QC!;3R! Z<76A2C! \$ Q!G@KSFHQ!! \$4W;4735! :A01 :A;2;15!;1!;!2004!MO<!;3;48171!OM! :<02573!15N<52703Q!T3!  
VA01 :A;25! - 52;P0471 =!;3R!%56B4;2703!73!! - 7N00<6;371 =1C! \$Q! ) O<<7;37JX0<737C! , QXQ!%02A = ;3C! (Q! (74U5<C!! \$Q! Z<76A2C! ' Q!  
e ;674!5R1Q! : : Q!FSJSdq!!GI!N72;27031H!  
IQ #OMM=;3C!" Q(Q!;3R! Z731203C! , Q!G@KSFHQ!! \$!253J=73B25!9 . \$! :<5 ;<;<2703!M<0=!85;12!5MM7N753248!<545;151!;B2030=0B1!  
:4;1=7R1!MO<!2<;31MO<= ;2703!OM! ' 1NA5<7NA7; !NO47Q!X535! IFL!DEFJDFDQ!G]CDES!N72;27031H!  
EQ #OMM=;3C!" Q(Q!;3R! Z731203C! , Q!G@KSKHQ! \$!2<;31N<7:2703;448!<56B4;25R!5\_ :<511703!U5N20<!MO<!2A5!M711703!85;12!  
Q!X535!S>L!>FJJ>FKQ!GSK!N72;27031H!  
FQ #OMM=;3C!" Q(Q!;3R! Z731203C! , Q!G@KK?HQ!T104;2703!;3R!NA;<;N25<7a;2703!OM!=B2;321!NO31272B27U5!MO<15\_ :<511703!OM!2A5!MP:@!  
6535!OM!  
Q!X53527N1!@D>L!S?FJS@EQ!G@JF!N72;27031H!  
SQ #OMM=;3C!" Q(Q!;3R! Z731203C! , Q!G@KK@HQ!X4BNO15!<5 :<511703!OM!2<;31N<7:2703!OM!2A5! I!  
6535!ONNB<!P8!; !N\$ - V!1763;4736! : ;2AY;8Q!X535!;3R!95U540 : =532!IL!IE@JIF@Q!G@KS!N72;27031H!  
KQ +227475C! (QC! " A5<30MMC!^ QC!# ;3376C!XQC!#OMM=;3C!" Q(QC!;3R! ' <7W103C!%Q&Q!G@KK@HQ! \$ !M711703!85;12!6535!53NOR736!; ! :<02573!  
Y72A!M5;2B<51!OM! :<02573J28<01735J :A01 :A;2;151Q!V<ONQ! . ;24Q! \$N;RQ! (N7Q! \* ( \$ !SSL! ] > I I J ] > I K Q!G E I !N72;27031H!  
@?Q +227475C! (QC! " A5<30MMC!^ QC!# ;3376C!XQC!#OMM=;3C!" Q(QC!;3R! ' <7W103C!%Q&Q!G@KKDHQ!! ) A5!M711703!85;12!6535! I^!;3R! 2^!  
53NOR5! :<02573!28<01735! :A01 :A;2;15!2A;2!356;27U548!<56B4;25! =720171Q! - 04Q! " 544Q! / 704Q!@DL! I I F @ J I I S ? Q! !GEE!N72;27031H!  
@@Q / 8<35C! (Q - Q!;3R!#OMM=;3C!" Q(Q!G@KKJHQ!! (7\_! !6535!53NOR5!;!64BNO15J73RBN5R!;R5384;25!N8N4;15!;N27U;2703! : ;2AY;8!73!  
2A5!M711703!85;12!  
Q!^ Q!! " 544! (N7Q!@? !L!@?KIJ@ @ ? ? Q!G@?>!N72;27031H!  
@DQ \$ :0473;<70C! ' QC! . ON5<OC! - QC!^73C! - Q!;3R!#OMM=;3C!" Q(Q!G@KKJHQ! " 403736!;3R! = ;37 :B4;2703!OM!2A5!  
7f!6535!;1!;!35Y!1545N2;P45! = ;<W5<!MO<! =045NB4;<!653527N!12BR751Q! " B<<Q!X5352Q!D>L!>K@J>KIQ!GS@!N72;27031H!  
@JQ . ON5<OC! - QC!T11A7W7C!) QC! e ; = ; =020C! - Q!;3R!#OMM=;3! " Q(Q!G@KK>HQ!X4BNO15!<5 :<511703!OM! I 2<;31N<7:2703!73!  
!71! : ;<27;448!<56B4;25R!P8!;R5384;25!N8N4;15!;N27U;2703!P8!; !X! :<02573!; !1BPB372!53NOR5R!P8!  
2/ 8Q!!X53527N1!@JSL!JKJ>IQ!GFK!N72;27031H!  
@>Q `73C! - QC! , Bc72;C! - QC! " B4458C! / Q - QC! \$ :0473;<70C! ' QC! e ; = ; =020C! - QC! - ;B3R<544C! g QC!;3R!#OMM=;3C!" Q(Q!G@KKIHQ! IC!;!A76A!  
NO:8!3B=P5<!1B : :<5110<!OM!R5M5N21!73!2A5!N\$ - VJR5:53R532! :<02573!W73;15! : ;2AY;8!73!M711703!85;12C!53NOR51!; ! :<02573!  
AO=04060B1!20!2A5!  
! ! ( " #K!W73;15Q!!X53527N1!@>?L!>IFJ>EFQ!G@?>!N72;27031H!!  
@IQ #OMM=;3C!" Q(Q!G@KKIHQ!!V<5 : ;<;<2703!OM!e5;12!9 . \$Q!73! " B<<532!V<02ONO4!73! - 045NB4;<! / 704068!! \$ B1BP54C! , Q! - QC!%Q! / <532C!  
%Q! ' Q! g7361203C!!9Q!9Q! - 00<5C!^ Q!XQ! (57R = ;3C!^ Q! \$Q! ( =72AC!;3R! gQ! (2<BA4!G5RQHQ!@KKIQ Z7458!T325<1N753N5C! . 5Y! e O<WQ! : ;651!  
@JQ@@@QJ!

D]Q ) ;W;67C!)QC!"AOC!'QJ`QC!`;300C!%Q)QgQC!V040R38C! [QC!);W;15C!eQC!g506AC! - QJ"QC!Z00C!(QC!,<51NOJ"0A53C!&Q9QC!#0MM= ;3C!  
"Q(Q!;3R!/B<;20Y1W7C!!(Q!GD??DHQ!97U5<6532!1BPB372!7325<;N27031!;=036!MB36;4!=% . \$!IiJN; : :736!= ;NA735<751Q!'BW;<8027N!  
"544!@L!>>SJ

>IQ #7<02;!gQC! - 7801A7!)QC!gB60B!gQC!#OMM= ; 3!"Q(CQC!(A7P;2;! )QC!;3R!+A2;!gQ!GD??SHQ!(25:Y715!NA<0= ;273!<5=OR54736!P8;!N;1N;R5!OM!2<;31N<7:2703!73727;2703!OM!303JNOR736!% . \$1Q!! . ;2B<5!>IEL!@ ]?J@ ]>Q!!!!!!!!!!!!!!G]@S!N72;27031H!  
>EQ %OB\_!\$QC!\$4;;=5<8! - QC!#OMM= ; 3!"Q(CQC!"A;<2<;3R!VQC!,5<P58<5!XQC!;3R!%OW5;NA!&Q!GD??KHQ!!V<OJ;6736!5MM5N21!OM!64BNO15!1763;44736!2A<OB6A!;!X!:<02573JNOB:45R!64BNO15!<5N5:20<!73!M711703!85;12!V401!X53527N1C! - ;<jIG]HL5@??>?SQ!' :BP!D??K!  
- ;<!EQ!G@@@!N72;27031H!  
>FQ \$4;;=5<8! - Q\$QC!Z8= ; 3!\$Q%QC!TU58! , Q9QC!\$44;73!"QC!95=7<P;1!9QC!Z ;36!&QC!"58A;3!+Q!;3R!#OMM= ; 3!"Q(CQ!GD??@?HQ! . 5Y!N4;1151!OM!V9 'F!73A7P720<1!7R5327M75R!P8!;!M711703!85;12JP;15R!# ) (Q!^Q! / 70=04Q!(N<553736!@IL]IKJEF!G]S!N72;27031H!  
>SQ TU58! , Q9QC! ) ;647;! , QkQC!e ;36! , QC!&;3R5<! - Q - QC!g5448!9Q\$Q!;3R!#OMM= ; 3!"Q(CQ!GD??@?HQ!\$N27U;25R!;445451!OM!2A5!  
2!X;!6535!7R5327M8!<517RB51!73U04U5R!73!X9VJX)V!5\_NA;365Q!'BW;<8027N!"544!KL!EDEJ  
]]Q!G@]!N72;27031H!!  
>KQ





" 032<;N2!>D] >]KKJ! . ;2703;4!T31272B251!OM!#5;42A!  
! " A;<;N25<7a;2703!OM!N;3R7R;25!X . \$ (@!=ORB4;20<1!  
9 ;251L! ?KJ?@J@E!20!?IJ] ?J@F!  
oDIC!???!R7<5N2C!o]KC@DI!202;4!NO121!  
! " 032<;N2!# I@?ES>@!J! . ;2703;4!T31272B251!OM!#5;42A\ . #& / T!  
! (= ;44!=045NB45!# ) (1!MO<!\$ " !;3R!X . \$ (!73A7P720<1!  
9 ;251L! ?KJ@IJ@S!20!?KJ@>J@K!  
oDEC]S@!R7<5N2C!o] ]CD>@!!202;4!NO121!  
! . ( ,!\$ Y ;<R! . B=P5<L@F>SK?E!G#OMM = ;3!NOJVTH!  
' \$X ' %L! (545N27U5! / 70R; = ;65!Y72A! (A; :5R!) #a!&76A2! , 754R1!  
9 ;251L! ?@J@IJ@S!20!?SJ]@JD?!  
o]??C???!202;4!NO121!!  
! +<: A;3!9715;15!" 5325<!J! - 9 / %J@KJ@DJ, 9\ - \$ (!  
TR5327M7N;2703!;3R!NA;<;N25<7a;2703!OM!3OU54!N544J:5<=5;P45C!1 = ;44!=045NB45!;R538484!N8N4;15!  
73A7P720<1!MO<!MB2B<5!R5U540: =532!;1!R<B61!20!2<5;2! , 9\ - \$ (!  
9 ;251L! ?DJ?@J@K!20!?@J]@JD?! . O!NO12!5\_2531703!20!?FJ]@JD?D?!  
oESC@SI!202;4!NO121!  
! +<: A;3!9715;15!" 5325<!J! - 9 / %JDDJ@?DJ, 9 - \$ (!  
(2<BTIJ5TjETq0 . @mBT - 0 . 0019T@D8541101Tf (!)TjETq0 . 24000 . 2418583 . 92cmBT - 0 . 0018Tc460 (!)TjETq0 . 240006q0 . 24000 . 2 (!)qD58 (V





D?@JJ \*37U5<1728!OM!Z5125<3!+32;<70! / 704068!(5=73;<J!]JSJ@]!  
!(5U532A!T325<3;2703;4!,711703!e5;12! - 552736!G&03R03HJ!EJDIJ@]!  
!)A7<R!T325<3;2703;4!Z0<W1A0:!03!N\$ - V!1763;4736C!V<02573!W73;15!\$C!;3R!!  
! :A01:AOR75125<;151L!M<0=!653527N1!20!MB3N2703!;3R!AB=;3!R715;151t!GV;<71HJ!FJ@DJ@]!  
D?@IJ! 9;<2=OB2A!"044565!X57154!(NA004!OM! - 5R7N735J!>JD>J@I!  
! '76A2A!T325<3;2703;4!,711703!e5;12! - 552736!GgOP5C!` ; ; ;3HJ!EJD>J@I!  
! #B325<! "044565J!@J?DJ@I!  
D?@FJ! .732A!T325<3;2703;4!,711703!e5;12! - 552736!G / ;3MMC! " ;3;R;HJ!IJ@IJ@F!  
!

`B370<! , ;NB428!V<0=027031!" 0 = =72255J!g ;2A0475W5! \* 37U5<172572C!&5BU53C! / 5467B =!  
\$4P5<2;!#5<72;65! , OB3R;2703!MO<! - 5R7N;4!%515;<NA!  
" ;3;R7;3!T31272B251!OM!#5;42A!%515;<NA!  
- ;<1R53! , B3RJ%08;4!(ON7528!OM! . 5Y!d5;4;3R!  
!

%5M5<55! = ;3B1N<7:21!MO<! :<OM511703;4!cOB<3;41!

V<ONQ! . ;24Q!\$N;RQ!(N7!\* (\$! ! X5351!;3R!95U540: =532! X53527N1! ! ! !  
- 045NB4;<!;3R!" 544B4;<! / 704068! ! - 045NB4;<! - 7N<OP704068! `OB<3;4!OM!" 544!(N753N5!!  
`OB<3;4!OM! / 704067N;4!" A5=712<8! / 7025NA37hB51! \$ : :4Q!;3R!' 3U7<Q! - 7N<OP704068!  
. BN457N!\$N7R1!%515;<NA!! `OB<3;4!OM! / ;N25<704068!!!! / 700<6! 1! - 5R!" A5=!&5225<1!  
" ;3;R7;3!`OB<3;4!OM! - 7N<OP704068! X535! , B36;4!X53527N1!;3R! / 704068!  
" B<<532!X53527N1! e5;12! - 04Q! / 704Q!OM!2A5!" 544!  
' BW;<8027N!" 544! . ;2B<5! - 52AOR1! - 7N<OP704068!  
X5351!20!" 544! 97MM5<5327;2703!! V40(!+35!  
V40(!X53527N1! " 544B4;<!(763;44736