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! " # \$ % & ' " \$ & # % ( ) ! \* \$ + , \$ & - ( # \$ . / % 0 / 1 0 2 \$  
3 # # 4 ) 5 6 \$ ! " # \$ *TWIQBAL* \$ 4 ( # % 7 ) 5 6 \$  
' ! % 5 7 % & 7 \$ 4 ( % - ' ) 8 ( # 9 \$ 5 + ! \$ 4 ( ) % 8 ( # \$

"#\$!

"%#!

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a`D6!Z\$!

9DF F20F:80! 0D! 0<24! 2C:702D8! D1! 0378404?@407802E:! 67G! 28! 0<:! 0G:80A012340!

9:80?3A!G:3:!

" 78C!

'z!!

)<:4:! 974:4! >3D8D?89:C! 0<:! I?>3: F:! .D?30S4! C:>730?3:! 13DF!

S4! =8D029:0>6:7C285B<sup>1</sup>T!

R#R#b!

"%R!

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a`D6!Z\$!

>672802114!<7C!0D!4<DG!0D! F7M:!D?0!0<:23!C24932F28702D8!9672F!:20<:3!70!0<:!  
02F:!D1!03276!28!0<:!974:!D1! ! R#!D3!70!0<:!>6:7C285!4075:!74!  
28!0<:!974:!D1! 'R%!!

R#R#b!

! "%"

J28766A;!K730!`!<25<625<04!>37902976!>3D@6: F4!0<70!1D66DG!!3DF!289D84240:892:4!  
28!>3D9:C?376!67G'!!H20<D?0!@28C285!67G!0D!47A!D0<:3G24:;!E:3A!>67280211!F?40!  
>6:7C!FD3: '!

&&'!! / ( , ! !g&I) + \* [! / ( , ! ) g ] ! \* - \ ] I ! \ ] J ) ! \ + I ) ! & ( !  
) \* / ( I \ / ) & + ( !

\DG:3!1:C:376!9D?304!F7A!8D0!753:;!G20<!0<:!. D?30S4!C:9242D8!0D!FDC21A!  
0<: !>6:7C285!4078C73C! ?8C:3! \* ?6: !YU7W! 78C! F7A!N?:402D8!<DG!0<:!. D?30S4!  
C:9242D84!3:9D8926: !G20<!0<: !>3:9:C:80!0<70!97F: !@:1D3: ! 78C! '!!  
gDG:E:3;! . D853:44!57E: !4>:92129!7?0<D320A!0D!0<: !I?>3: F: ! . D?30!0D!3:4D6E:!  
N?:402D84!D!1!280:3>3:0702D8!G20<!3:4>:90!0D!0<: !J\* . K!0<3D?5<!7CL?C29702D8<sup>RZ</sup>!  
)<: !>67?42@2620A!4078C73C!204:61!F7A!8D0!:N?766A!4:3E: !:E:3A!62025780'!! e ?0!0<:!  
. D?30! F7C: !204! @: C! G<: 8! 20! C: 92C: C! 78C! '!! (DG!0<: !6DG:3!  
1: C:376!9D?304! F?40!62: !28!20'!

^?40!@:97?4: !>3D9:C?376!3?6:4!CD!8D0!GD3M!28!7!E79??F;!7!67GF7M:3!978!

"%Z!

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a`D6!Z\$!

>D6202976!75:8C74!D1!0<:!67GA:34;!962:804;!L?C5:4;!78C!D0<:3!9D?30!>:34D88:6!  
a280:3790285b!G20<!D8:!78D0<:3'B<sup>RS</sup>!

/4!0<:!C3710:34!D1!0<:!J\* . K!GD?6C!<7E:!20;!0<:!3?6:4!D1!>3D9:C?3:!GD?6C!  
:87@6:!0<:!9D?30!0D!7CL?C2970:!7!C24>?0:!G20<!7!=F282F?F!D1!FD02D8!>379029:;B!  
>3DE2C:!620257804!G20<!:=N?76!799:44!0D!766!281D3F702D8!3:6:E780!0D!0<:!974:S4!  
4?@L:90!F700:3;B!78C!>3DE2C:!7!=3:9:>02E:!!>3D9:C?376!E:<296:B!1D3!766!0A>:4!D1!  
92E26!62025702D8"#!) <:!J\* . K!GD?6C!=52E:!!>:D>6:!799:44!0D!7!F:782851?6!C7A!  
28!9D?30!''!0<:!!>3D9:C?376!>3D9:44!aGD?6Cb!:11:90?70:!0<D4:!74>23702D84'B"#!  
)<:!J\* . K!G:3:!G3200:8!0D!@:!!F:782851?6!0D!:E:3AD8:P 0D!:8!D39:!=0<:!>?@629!

R#R#b!

! "%T!

0<:!C:1:8C780!0D!D@0728!=1723!8D029:B!78C!0<:!=53D?8C4B!D8!G<29<!0<:!9672F!  
3:404""v!!)<:!9672F!3:N?23:C!70!6:740!4DF:!!1790?76!4>:9212920A!0D!@:!!F:782851?6!  
)<3D?5<!0<:!\*?6:4!J87@6285! / 90! D1! %\$"Z;!

"%c!

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a`D6!Z\$!

D1!78!28C2E2C?76\$4!C24>7370:!03:70F:80!67G! ?8C:3! )206:! ` &&'ZR!!



R#R#b!

! "%V!

C24932F28702D8<sup>TR</sup>! ! ) <24! 24! 425821297806A! C211:3:80! 13DF! 0<: ! >6:7C285! 4075:!  
 G<:3: ! 766! 1790?76! 766:5702D84! CD! 8D0! 3:N?23: ! :E2C: 80273A! 4?>>D30;! D86A! 0<:!  
 62M:62<DDC!0<3D?5<!73029?670:C!766:5702D84;!78C!0<70!C249DE:3A!G266!9D8123F!D3!  
 C24>:6!0<: !03?0<!D1!0<D4: !17904'!! XD3:DE:3;! S4!137F:GD3M!  
 24!40266!0<: !4?@L:90!D1!C:@70: P :E:8! FD3: !3:74D8!0D!6:7E: !20!D?0!D1!>6:7C285!  
 >32892>6:4<sup>T</sup>!! JD3! :\_7F>6:;! F?602>6: ! 9DF F :8070D34! <7E: !>3D8D?89:C! 0<:!  
 ! 137F:GD3M! 74! 7! G:7M! @7424! 1D3! 0<: ! 9D?30! 0D! 128C! 7!  
 >3:4?F>02D8! D1! C24932F28702D8;! 78C! 0<:3:1D3: ! 0<: ! C:9242D8! 4<D?6C! @:!  
 DE:33?6:C<sup>TZ</sup>!! XD3: !3:9:806A;!9320294!<7E: !D@4:3E:C!0<70!9D?304!790?766A!=0G:7M!  
 X9 , D88:66! , D?5674!28!G7A4!0<70! F7M: !20!<73C:3!1D3!>672802114!0D!>3:E726!78C!  
 G<29< ! :\_>67284! 28! >730! 0<: ! 324: ! 28! 0<: ! 8?F@:3! D1! :736A! C24F244764! 78C!  
 4?99:441?6! :F>6DA:3!FD02D84!1D3!4?F F73A!L?C5F:80'B<sup>TT</sup>!  
 ( :736A! 0<230A! A:734! 670:3! 710:3! ;! 0<: ! .D?30! 28!  
 9D8123F:C!0<70!

"%Y!

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a`D6!Z\$!

9D842C:3285! 0<:! 4078C73C! 70! 0<:! 02F :! 28! R##R;! G<:8!

S4! =8D029:0

R#R#b!

! "%\$!

9<73790:32Q:0<: !>67?42@2620A!4078C73C!74!<=: 25<0: 8: CB!280:3>3: 0!20!0D!F : 78!0<70!  
0<: !>67280211! <74! 78! D8: 3D?4! 074M! 0D! >3D>: 36A! >6: 7C! <: 3! 9DF>67280;! G<29<!  
93: 70: 4! 7! @?6G73M! 0D! 799: 44285! 0<: !9D?30<D?4: !CDD34"cc!! ) <24!>: 39: >02D8! 24!  
3: 74D87@6:;! @: 97?4: !73029?670285! 0<: !C: 1: 8C780S4! FD02E702D8! 1D3! 204! 766: 5: C!  
G3D851?6! 9D8C?90! @: 1D3: ! 78C! 3: N?23: C! E: 3A! 62006: ! 1790?76!  
4>: 9212920A P 735?7@6A! 0DD! 62006: P 0D! 5728! 799: 44! 0D! C249DE: 3A'!! XD3: DE: 3;!  
@: 97?4: ! 78C! !1726: C!0D!: \_>629206A!0D?9<!D8!0<: !N?: 402D8!D1!G<70!  
C: 53: : !D1!4>: 9212920A!0<: !9DF>67280!3: N?23: 4! 970: 5D329766A! 1D3! C24932F28702D8!  
9672F4; 0<: !D>>D30?820A!73D4: !1D3!0<: !6DG: 3!9D?304!0D!>3: 4? F: 0<70!0<: !N?: 402D8!  
G74!40266!D>: 8!1D3!1?30<: 3!280: 3>3: 0702D8'!

H<26: ! 4DF: ! 9D?304! 40266! 3: 4240! 79M8DG6: C5285! =0<: ! >67?42@2620A!  
4078C73C;B<sup>e</sup>! D0<: 34! 3: F728! 9DF F200: C! 0D! 0<: ! .D?30S4! <D6C285 P 0<70!

"R#!

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a`D6!Z\$!

>67280211S4!974:'!! / ! FD3:!9DF>6: \_!974:!28ED6E285!128789276!C:32E702E:4;!D3!  
07\_!1137?C!0<70!0<: !>7302:4!032:C!<73C!0D!9D89:76;!D3!780203?40!E2D6702D84;!G266!  
3:N?23:!FD3:!C:0726;!@D0<!0D!52E: !0<: !D>>D4285!>730A!8D029: !D1!G<70!0<: !974:!  
24!766!7@D?0!78C!0D!4<DG!<DG;!28!0<: !>67280211S4!F28C!70!6:740;0<: !CD04!4<D?6C!  
@: !9D88:90:C^V#!

)<:!  
! 9D?30! C:1:33:C! 0D! 0<: ! I?>3: F: ! .D?30S4! C:9242D84! 28!  
78C! ;!>D420285! 0<70! 0<: ! >67280211! 8: :C! D86A! 766:5: ! =:8D?5<!  
C:07264! 7@D?0! 0<: ! 4?@L:900F700:3! D1! 0<: ! 974: ! 0D! >3:4:80! 7! 40D3A! 0<70! <D6C4!  
0D5:0<:3'B^%!!\*70<:3!0<78!6DDM!0D!0<: ! !78C!  
C:9242D84;! 0<: ! 9D?30! C:82:C! 0<: ! C:1:8C780S4! FD02D8! 0D! C24F244! @:97?4:!  
IG784D8S4! 9DF>67280! >3D>:36A! 766:5:C! 0<: ! G<D! U . 202@78MW;! G<70! U379276!  
C24932F28702D8W;!78C!G<:8!U28!9D88:902D8!G20<!<:3!:11D30!0D!D@0728!7!<DF:0  
:N?20A!6D78W;!0D!4070: !7!9672F!1D3!3:62:1^VR!  
&8! 0

R#R#b!

! "R%!

FDC212:C!>6:7C285!4078C73C!28! ;<sup>vv</sup>!78C!670:3!  
 7>>62:C!20!0D! )206:!<sup>r</sup>!3:E:34:!<sup>C24932F28702D8!9672F4!!</sup>+0<:3!6DG:3!1:C:376!  
 9D?304;! <DG:E:3;! 73@2037326A! 7>>6A! 0<:!<sup>4078C73C! 0D! 4DF:;! @?0! 8D0! 766;!</sup>  
<sup>C24932F28702D8!9672F4!F7M285!4?99:44!373:6A!79<2:E7@6:!!1D3!0<D4:!</sup>>672802114!!  
 )<:!<sup>I2\_0<! . 239?20;! 76D85! G20<!0<:!</sup>F 7LD320A!D1! . 239?20! . D?304;!9D8028?:4!0D!  
 7>>6A! 78C! ! 0D! 9672F4! D1! C24932F28702D8;! 266?40370285! 0<:!  
 ?8C:36A285!>32892>6:!<sup>D1!0<24! ( D0: P 0<70!6DG:3!9D?30!7CL?C29702D8!4<D?6C!8D0!</sup>  
 3:4D6E:!<sup>0<:!</sup>28!D3F702D8074A F F :03A!244?:!<sup>@:<28C!C24932F28702D8!9672F4!@A!</sup>  
 :80G28285!?83:4D6E:C!<sup>I ?>3: F :! . D?30!>3:9:C:80!</sup>

)<:!<sup>I:9D8C! . 239?20! >3:4932@:C! 0<:!</sup>FD40! 37C2976! C:>730?3:!<sup>13DF!</sup>  
 >67?42@2620A!@A!<sup>?4285!0<:!</sup>14M:6:0D84!D1! 78C!  
 0D!7>>3D79<! )206:!<sup>` &&!C24932F28702D8!9672F4!28!7!</sup> 78C! GD36C!!  
 &8! 0<:!<sup>>67280211! 766:5:C!4<:!</sup>G74!4?@L:90!0D!379276!C24932F28702D8!  
 ?8C:3!)206:!<sup>` &&<sup>vY</sup>!!I<:!</sup>766:5:C!0<70!4<:!<sup>G74!@679M;!N?76212:C!1D3!0<:!</sup>>D4202D8;!  
 C:FD0:C!<sup>!78C!9320292Q:C!UG20<D?0!4?55:40285!0<:!</sup>!93202924F!<sup>G74!3:670:C!0D!<:3!</sup>  
 379:W<sup>vS</sup>!!gDG:E:3;!4<:!<sup>!766:5:C!0<70!7!G<20:!</sup>F>6DA:!<sup>!3:>679:C!<:3 P 4DF :D8:!</sup>  
 D?042C:!<sup>D1!<:3!>3D0:90:C!96744;!78C!4DF :D8:!</sup>G20<D?0!>32D3!:<sup>\_>:32:89:'</sup>

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a`D6!Z\$!

)<24!FDC212:C!E:342D8!D1!0<:!>67?42@2620A!4078C73C!42F>6A!C:F D840370:4!  
 78!266?42D8!!\*:C?9285!0<:!17904!8:9:4473A!1D3!0<:!>67280211!0D!C:1:70!7!FD02D8!  
 0D!C24F244!4::F4!62M:!7!8D@6:!D@L:902E::!@?0!28!3:7620A;!>672802114!40266!403?556:!  
 0D!C:1:70!7!FD02D8!0D!C24F244!1D3!1726?3:!0D!4070:!7!9672F!?8C:3!0<:!  
 7>>3D79<!!J3DF!R#%T! ?8026!R#%\$;! 8:736A!T#s !D1!3:>D30:C!C24932F28702D8!  
 974:4! ?4285!0<:! I:9D8C! .239?20S4! =F282F76! 281:3:89:! D1! C24932F28702D8B!  
 4078C73C!>3D9::C:C!>740!7!%RU@WUcW! FD02D8!Y!! )<:!3:4?604!CD!8D0!3:16:90!7!  
 42582129780!2893:74:!28!0<:!62M:62<DDC!0<70!7!>67280211S4!C24932F28702D8!9672F!  
 G266!>3D9::C!

[ :0!7!4F766!137902D8!D1!6DG:3!9D?304!9D8028?:4!0D!4F?556: !0<24!137F:GD3M!  
 280D!0<:!5378C!49<:F:!D1!C24932F28702D8!9672F4;!78C!0D!G<70!:8C!21!8D0!0D!  
 79<2:E:13:4?604h!!&8!R#%c;!0<:!I:9D8C! .239?20!764D!7>>62:C!0<:!47F: !@?3C:80  
 4<210285!137F:GD3M!70!0<:!>6:7C285!4075:!0D!7!C211:3:80!0A>:!D1!C24932F28702D8!  
 974: ^Z!! )<:!9D?30!44:802766A!F7C: !20!742:3!1D3!7!>67280211!0D!4?3E2E: !7!FD02D8!  
 0D!C24F244! ?8C:3!7! )206: !&r!3:E:34: !C24932F28702D8!9672F ^YT!! )206: !&r!3:E:34:!  
 C24932F28702D8!9672F4!5:8:3766A!:\_240!G<:3: !7!40?C:80!766:5:4!0<70!<24!D3!<:3!  
 ?82E:3420AS4!28E:4025702D8!D1!78!766:5:C!4:\_?76!7447?60!G74!167G:C!74!7!3:4?60!  
 D1!5:8C:30@74:C!@274!28!17ED3!D1!0<:!9DF>6728780!Yc!!&8!7!0A>2976!3:E:34:!  
 C24932F28702D8!974:;!7!F76:!40?C:80!78C!7!1:F76:!40?C:80!:8575:!28!4:\_?76!  
 7902E20A!0<70!0<:!F76:!40?C:80!766:5:4!0D!<7E: !@::8!9D84:84?76^YV!! /10:3!7!  
 9D842C:37@6: !7FD?80!D1!02F: !>744:4;!0<: !1:F76:!40?C:80!3:>D304!0<70!4<: !G74!  
 4:\_?766A!7447?60:C;!78C!7!C2492>62873A!974: !:84?:4'!!&1!0<: !F76:!40?C:80!24!670:3!  
 :\_>:66:C!D3!4?@L:90:C!0D!D0<:3!4:32D?4!C2492>628:;!<: !FD40!D10:8!766:5:4!0<70;!  
 28!E2D6702D8!D1! )206: !&r;!0<: !28E:4025702D8!D3!0<: !7CL?C29702D8!G74!167G:C;!0<:!  
 167G4! G:3: !0<: !3:4?60! D1! 7! 5:8C:3! @274;! 78C!0<: !?82E:3420A! :33D8:D?46A!  
 9D896?C:C!0<70!<: !G74!3:4>D842@6: !1D3!40?C:800D8040?C:80!4:\_?76!E2D6:89: ^YY!

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! Y""! )<24!8D0: !79M8DG6:C5:4!0<70!0<24!8?F@:3!24!4?@L:90!0D!9<785:!! /10:3!:80:3285!=F282F76!  
 281:3:89: !D1!C24932F28702D8B!D3!=F282F76!>67?42@6: !281:3:89: B!78C!=FD02D8!0D!C24F244B!D8!H:4067G;!  
 D1!0<: !0G:6E: !3:>D30:C!974:4!0<70!920: !0D! !78C!7>>6A!0<: !@?3C:804<210285!137F:GD3M!@74:C!

R#R#b!

! "R"!

&8! ;!0<:!9D?30!3:74D8:C!0<70!)206:!!&r!9672F4!  
 <7E:!4D!F?9<!28!9DFFD8!G20<!)206:!!`&&!9672F4!0<70!D8!=9:30728!4D304!D1!17904;!  
 3?6:4!0<:!I?>3:F:!.D?30!:407@624<:C!1D3!)206:!!`&&!62025702D8!7>>:73!0D!7>>6A!  
 764D!0D!4?9<!42F2673!9672F4!D1!4: \_!C24932F28702D8!?8C:3!)206:!!&r ;B!766?C285!0D!  
 ;!78C! 'y\$!! )<:!@?3C:804<210285!137F:GD3M!  
 3:N?23:4!0<70!0<: !>67280211!8::C!D86A!>3:4:80!F282F76!E2C:89: !4?>>D30285!78!  
 281:3:89:!D1!C24932F28702D8!28!D3C:3!0D!>3:E726 P 28!0<24!974: !5:8C:3!@274!\$#!  
 )<:!9D?30S4!C:9242D8!28! :9<D:C!0<: !I:9D8C! .239?20S4!2820276!0<:D3A!  
 73029?670:C!28! P 0<70!C24932F28702D8!9672F4!3:N?23: !7!C:>730?3: !13DF!  
 78C! '!! / 10:3!0<: !C:9242D8;!D8: !F25<0!>3:C290!0<70!FD3:!)206:!!&r!  
 3:E:34: !5:8C:3!C24932F28702D8!967

"RZ!



R#R#b!

! "RT!

3:E:34:! C24932F28702D8! 9672F4! <7E:! 28! 9DF FD8 P D?042C:!!>3:44?3:! D8! 0<:!  
?82E:3420A! 0D! 9733A! D?0! 403290:3! >?824<F:804! 7572840! 4:\_?76! 7447?60!  
>:3>:0370D34\*%#%!!)<:!9DF>67280!766:5:C!0<70!0<:!!>?@629!78C!40?C:80!@DCA!

"Rc!

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a`D6!Z\$!

/ 8! : F>232976! 40?CA! 9D8C?90:C! @A! K3D1:44D3! e :0<78A! . D3@28! 28! R#%V!  
266?40370:4! 0<:!: \_03: F :! <?3C6:! 3:E:34:! C24932F28702D8! >672802114! 179:! G<: 8!  
9DF>:0285!4078C73C4!:\_240!793D44L?324C2902D84\*%#Y!! . D3@28S4!40?CA!4<DG:C!0<70!

R#R#b!

! "RV!

1?42D8!D1!1:C:376!>DG:34 P 0<:!6:5246702E:!78C!L?C29276!@3789<:4!07M:!!>730!28!  
C3710285!78C!7F:8C285!0<:!J\* .K%%T!! )<:! \*?6:4!0<:F4:6E:4!:9<D!>?@629!  
D>282D8!78C!74:128>?0!13DF!6202570D34!78C!L?C5:4!0D!>3DE2C:!28425<0!D8!G<70!  
24!78C!24!8D0!GD3M285!>3D9:C?3766A!78C! =G<:0<:3! a0<:!3?6:4b!8::C!0D!@:!  
9<785:C'B%%c!!^?C5:4!76D8:!CD!8D0!<7E: !0<: !47F:!799:44!0D!40702402976!:E2C:89:!  
D3! D@L:902E:!!>3DD1!74!7!>D629A0F7M285!@DCA'!! )<D4:!!9D89:38:C!0<70!  
C24932F28702D8!9672F4!3:N?23:!!7!3:67\_:C!4078C73C!GD?6C!CD!@:00:3!6D@@A285!!D3!  
78!7F:8CF:80!0D!0<:!J\* .K'!

)<:!!L?C29273A!24!8D0!0<:!D86A!@3789<!D1!5DE:38F:80!97>7@6:!D1!760:3285!  
0<:!!>3D9:C?376!3?6:4!0D!79<2:E:!!>3D9:C?376! ?821D3F20A'!!JD3! :\_7F>6:;!  
.D853:44!<74!7CD>0:C! =?82N?;!4070?0:06:E:6!>3D9:C?376!3?6:4!0735:0:C!0D!  
4>:92129!0A>:4!D1!97?4:4!D1!7902D8'B%%V!!g:25<0:8:C!>6:7C285!4078C73C4!7>>6A!  
0D!4:9?3202:4!974:4;!78C!7CF282403702E:!! :\_<?402D8!28!>324D8:3!974:4P  
4>:92762Q:C!3?6:4!G<29<!2816?:89:!=4?@407802E:!!>D629A'B%%Y!! )<?4;!21!4D92:0A!  
74>23:4!0D!C:0:3!266:576!C24932F2870D3A!9D8C?90;! .D853:44!9D?6C!:20<:3!973E:!  
D?0!78D0<:3! :\_9:>02D8!0D! \*?6:!!Y;!D3! :8790!4>:92129!3?6:4!>:30728285!0D!7!  
5:8:3762Q:C!>6:7C285!4078C73C!1D3!C24932F2870D3A!280:80'!

)<:!!I?>3:F:!.D?30!9D?6C!764D!9D842C:3!7!6DD4:!!3:7C285!D1!\*?6:!!\$!D1!0<:!  
1:C:376! 0-3D0;

"RY!

!

a`D6!Z\$!

F:3:6A!p28!4>20:!D1;!S!204!7CE:34:!:11:904!>D8!78!2C:802127@6:!53D?>'B<sup>%R</sup>!!&8!!1790;!9D?304!<7E:!!766DG:C!>672802114!0D!F7M:!!7!5:8:376!7E:3F:80!D1!280:80! ?8799DF>782:C!@A!4?>>D30285!1790?76!766:5702D84!28!>6:7C285!766:5702D84!D1! 3792766A!C24932F2870D3A!782F?4!28!E2D6702D8!D1!:N?76!>3D0:902D8! ?8C:3!0<:!  
JD?30::80<! / F:8CF:80!78C!I:902D8!%\$Y"!D1!0<:!.2E26!\*25<04! / 90<sup>%RR</sup>!!&1!0<:!  
J\* .K!711D3C!7!3:67\_:C!3:N?23:F:80!0D!:407@624<!C24932F2870D3A!280:80!70!0<:!  
>6:7C285!4075::!20!24!>D442@6: !FD3:!9672F4!G266!>3D9::C!0D!C249DE:3A!! )<:8;!  
C249DE:3A!GD?6C!3:E:76!G<:0<:3!7!>67280211S4!9672F!24!03?6A!F:320D32D?4!

- 8026!0<: !I?>3:F: !.D?30!D3! / CE24D3A! .DF F200::!:\_>629206A!C:0:3F28:4!  
0<70!C24932F28702D8!9672F4!3:N?23: !0<:23!DG8!>6:7C285!4078C73C;!E2902F4!D1!  
C24932F28702D8!<7E: !4?11292:80!>3D0:902D84! ?8C:3!0<: !J\* .K!0D!C:1:70!7!FD02D8!  
0D!C24F244! ?8C:3!0<: !=>67?42@2620A!4078C73CB!21!0<:A!28C: :C!<7E: !7!F:320D32D?4!  
9672F'!!JD3!:\_7F>6:;!>672802114!978!7F:8C!0<:23!>6:7C2854!D89: !74!7!F700:3!D1!  
325<0!21!0<:A!4D!9<DD4:; <sup>%R</sup> !78C!0<: !L?C5: !G266!D10:8!53780!6:7E: !0D!7F:8C!G<:8!  
=L?4029: !4D!3:N?23:4;B<sup>%RZ</sup>!

R#R#b!

! "R\$!

0<:! ! 78C! 137F:GD3M4;! 0<:! 6DG:3! 9D?304!

9D8028?:!0<24!G7E:!D1!760:3702D8!G20<!3:4>:90!0D!G<70!4078C73C!C24932F28702D8!

9672F4!3:N?23: P 7!>3D@6: F!@:00:3!6:10!3:4D6E:C!@A!0<:!1:C:376!@3789<:4!D1!

5DE:38F:80'!

)<:3:!  
<74!0D!@:!  
78D0<:3! G7A!0D!93:70:!7!4078C73C!0<70! G266!790?766A!

>3DC?9:!9D84240:80!78C!9:30728!D?09DF:4!1D3!C24932F28702D8!>672802114;!:20<:3!

>85Tm / TT8:f [ (>85) (G)1 (7E:!85)>7>:20 (00 . 248 . 39068 . 3906593 . 76941431 . 648 - 10046543 . 000243Tm / TT21Tf