



"#\$%&'#!()*+,-./0&0+!-1+1' 213!

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?; &*+>!>&7#!72: ,!+4&!A: 3* / (0!+: : D!7!<: <&*+: 3'!' +&6!+: !=: 0' +&#!+4&!@24+!
727(*' +!+4&!+4#&7+!6: ' &)! =>!+&##: #' <!+: !(*+&#*7+(: *70!6&7/&!7*)!' &/3#(+>\$!

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E!('!47#)!+: !: 8&#'+7+&!+4&!(<6: #+7* /&! : @+4&!A: 3* / (0' !#76!)!7 / (+: *!+: !7): 6+!
#&' : 03(+: *!GHI H!7*)!&' +7=0(' 4!+4&!A: 3*+&#B?&##: #' <!A: <<(+&&!(*!+4&!
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6&: 60&!@#: <!JL!/: 3*+&#B!7*)!+: !700!+4: ' &!7# : 3*)!+4&!; : #0)!; 4: ' &!0(8&'!478&!
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?4#: 324: 3+!+4&!07' +!+: ;!)&/7) &' ,!+4&!+4#&7+!: @+&##: #' <!47' !6&#(' +&),!
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<&)(7!+: !<: =(0(R&!7*)!#&/#3(+!@ 00: ; &#''! ; : #0); ()&,!/#&7+(*2!7!@ #&(2*!+&##: #' +!
@24+&#!64&* : <&* : *! : @7*!3*6#&/&)&*+&)' /70&\$!

E*!+4&!@7/&! : @+4&' &!+4#&7+' ,!+4('!A: 3*/(0!47'!6#: 8()&!/#(+/70!(<6&+3'!7*)!
23()7*/&!@ #!" &<=&#!C+7+&'!+: !)&<: *'+#7+&!3*(+>! : @63#6: ' &!7*)!7/+(: * ,!
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ECEP!

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+&/4*(/70!276'!(*!*7+(: *70!/767/(+(&' \$!

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?4&(#!+7/+(/'!7#&!766&70(*2!+: !* &; !2#: 36'!7/#: ''!+4&!())&: 0: 2(/70! '6&/+ #3< ,!
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727(*' +!+&##: #'<!+47+!(' !7*/4: #&)!(*!+4&!U*(+&)!Z7+(: *'!A47#+*)!
(*+&#*7+(: *70!07; ,!; (+4!43<7*!#(24+'!7*)!2&*) &#!&0370(+>!7+!(+'!4&7#+\$!

El; : 30)!0(D&!+ : !#7(' &!+4#&&!@3*)7<&*+70!6: (*+'!7'!>: 3!#&@&/+! : *!7!<30+(07+F!
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7#&!(*)' 6&* '7=0&!+ : !)&+&/+ ,!) &+&# ,!7*)! =#(*2!+&##: #'+'!+ : !S3' +(/&\$!

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-8&*!=&+&#B&O3(66&)!C+7+&'!7#&!/4700&*2&)!+: !D&&6!67/&!; (+4!&8: 08(*2!7*)!
&<(*2!+4#&7+'!=: +4!: @(*&!7*)!: *0(*&\$!\ &!<3'+!+4&#&@: #&!3#2&*+0!=: 0'+&#!
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C&/: *) ,!; &!*&&!7!#&*;& &)!/: <<(+<&*+!+: !0: : D!&>: *)!+&##: #'<!7'!7!+7/+(!
7*)!7))#&'!+4&!3*)�>(*2!/: *)+(: *'!7*)!)#(8&#!+47+!&*7=0&!(!+ : !'3'+7(*!7*)!
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7*)!+4&! /(&*+@/!/: <<3*(+>!(*!+4&!@24+!727(*'+!+&##: #'<(!' !D&>+ : !=&!
#&'6: *'(8&!+: !+4&!': /(/70!7*)!+&/4*: 0: 2(/70!#&70(+&'! : @+4&!^G !/&*+3#>\$!!

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%3=0(/B6#(87+&!67#+* &# ' 4(6'!7#&!7!/#(+(/70!+: : 0!+: !&@&/+(8&0>!7))#&'!+&##: #'<\$!

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C(*&/!^LLG,+4&!C&/3#(+>!A: 3*/(0!47'!=3(0+!36: *!#&' : 03+(: *!GHI H!+: !) &8&0: 6!7!
/: <6#&4&*'(8&!&'&+: @<&7'3#&'!7*)!23()7*/&!@: #!'' &<=&#!C+7+&'!+: !6#&8&*+!

23()&!70' : !=>+4&!U*(+&!Z7+(: '*!Y0: =70!A: 3*+&#B?&##: #' <!C+#7+&2>!' (*/&! ^LL_ \$!

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? :)7>,!; &!7#&!< : #&!/: 4&#&*+!7*)!/: : #)(*7+&!)!+47*!&8&#!(*!6#: 8()(*2!+4('! '366: #+,!+47*D'!+: !+4&!#&@. #<! : @+4&!/: 3*+&#B+&##: #' <!7#/4(+&/+3#&!(*+(7+&)! =>!+4&!C&/#&+7#>BY&*#70!(*!^LGI \$!!

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\ &!478&!<7)&!'+&7)>!6#: 2#&'!+4#: 324!+4('!67#+*#&' 4(6,!(*!0(*&!; (+4! #&' : 03+(: '*!^HJa,!&* '3#(*2!+47+! : 3#! /767/(+>B=3(0)(*2! '366: #+=3(0)'! : *!+4&! 7''&' <*+!/: *)3/+&!)!>A? - 1!7*)!+4&!#&/: <<*&*)7+(: '*!7) : 6+&!)!>+4&! A: 3*+&#B?&##: #' <!A: <<(+&&\$!

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W3#!@72' 4(6!6#: 2#7<< &'! : *!/: 3*+&#(*2!+&##: #' +!+78&0,!/: 3*+&#(*2!+&##: #' <! @(*7*/(*2,!7*)! : *!6#: '&/3+(: * ,!#&47=(0(+7+(: *!7*)!#&(*+&2#7+(: * ,!7#&!7!&; ! /: * /#&+&!&. 7<60&'! : @+4('!766#: 7/4\$!

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\ &!; (00!/: *+(*3&!; : #D(*2!+ : !/: *' : 0)7+&!7*)!&. 67*)!+4&!27(*!'!@: <!+4&'&! #&@ #<' ,!@3#+4&#!(*+&2#7+(*2!7*)!' 47#6&*(*2! : 3#17'' ('+7*/&\$!!

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)3#(*2!7*)!7@&#!+4&!67*)&<(/,;!; (+4!7!@. /3'!: *!&<(*2!+4#&7+'!7*)!
/4700&*2&'\$!\ &!*&&!)7*!(* /03'(8&!766#: 7/4!7*)!7!' +#7+&2(/!(*8&' +<&*+!(*!
=3(0)(*2!#&'(0(&* /&\$!

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?4&!U*(+&)!Z7+(: *',!; : #D(*2!+4#: 324!+4&!Y0: =70!A: 3*+&#B?&##: #'<!
A: : #)(*7+(: *!A: <67/+,'+7*)'!#&7)>!+: !/: *+(*3&'! 366: #+(*2!" &<=#&!C+7+&'!(*!
+4&'&!&@. #+' ,!7*)!0: : D'!@. #; 7#)!+: !>: 3#!23()7* /&\$!

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E!+47*D!>: 3\$!