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p&/+)!/+2!1/>'!3Z)%*,3!.(,!.*+/0!1(+1&,3!]3Z)%*,3!7*00!9&!%/+2&2!(-3!7%&+!B(-!/,,*<&^!</li>
i ,*+4!/!%((2*&X)7&/3&,!*+!1/)&!3%&!9-"02*+4!*)!1%*00B!
i ,*+4!)(>&!/300&3*1!10(3%&)!.(,!/13*<*3*&)!</li>
D3%0&3*1!)%(&)!.(,!7/08*+45!/+2!)/+2/0)!*.!2&)*,&2!
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a/1%!1/>'&,!7*00!,&1&*<&!/!',*</3&!0&))(+!2-,*+4!3%&!7&&8#!
W/+!U!',/13*1&!*+!>B!,((>q!
P^*+1\&!(3\%, !1/>')!>/B!9\&!^*+!)\&))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9\&!/90&!3(!',/13^*1&!^*+!3\%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9&!/90&!3(!',/13^*1&!^*+!3%&^*,!2(,>!))^*(+!/3!UGK5!1/>'&,)!7^*00!+(3!9,!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/13^*1&!/1
,((>)#n(18&,)!7*00!9&!/</*0/90&!*+!W(4)7&00!@/00!3(!>/8&!*3!&/)*&,!.(,!1/>'&,)!3(!',/13*1&!*+!(+&!(.!
(-,!>/+B!',/13*1&!,((>)#!
R*00!0(18&,)!9&!/</*0/90&q!
n(184,)!7*00!94!/</*0/904!.(,!-)4!94!1/>'4,)!!W/>'4,)!)%(-02!9,*+4!3%4*,!(7+!0(18#)1.5%)!/2.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10*10.10
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W/> '&,)!/,&!&=' &13&2!3(!9,*+4!3%&*,!(7+!*+)3,->&+3!]'*/+()!/+2!*+)3,->&+3)!.(,!&0&13*<&!10/))&)!
7^*0!98!', (^*282^*111.18(-!2(!+(3!(7+!8(-,!(7+!*+)3,->&+3!/+2!7^*00!+(3!\%/<&!/118))!3(!/+!*+)3,->&+3!
|..| > |B(-,!)| 1\% ((0!1(+3/13!s/1\%!W(00^{+})!/3!A1(00^{+})t^{*}-t^{*})| 4\%2-#!!
U!/>!/!' & (1-)^*(+)^3 \# R\%/3!^*+)^3, -> & +3)!/+2! \& f^{-*}> & +3!2(!U!+& & 2!3(!9, *+4q!))^4
(-0.2!9, +4!3\%, (-1.3)!)
M > !/!' */+ *)3 \# R \% / 3! 7 \% ! U 2 (!7 \% 0 \& ! \& < \&, B (+ & ! \& 0) \& !*)! *+!, & % \& /, )/0 q!
8\%.8! > B!98!.8'8.3(*.8!*+!(-.!<(1/0!/+2!*+)3.->8+3/0!8+)8>908)!3\%/3!-3*0*A8!/!'*/+*)3\#R8!7*00!(...8.1)
10/))&)!3/*0(,&2!)' &1*.*1/00B!3(!(-,!'*/+(!'/,3*1*'/+3)5!/+2!&=3,/!',/13*1&!3*>&!7*00!9&!',(<*2&2#
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R\%+!'()*90&5!7\%!7*0!/*>!3(!4*<&!B(-!>-)*1/0!(''(,3-+*3*\&)!(+!)&1(+2/,B!*+)3,->&+3)#n&3!-)!
8+(7!(.!/+B!)&1(+2/,B!'&,.(,>/+1&!/,&/)!B(-!7^*)%!3(!'/,3^*1^*'/3&!^*+#!U.!3%&!)1%&2-0&!/00(7)5!7&!7^*00!
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)&+)*3*<*3*&)!)%(-02!1(+)*2&,!9,*+4*+4!/'',(',*/3&!)+/18)!.(,!3%&!7&&8#!
@(7!7*0!1/> !/11(>> (2/3&!1/> '&,)!7*3%!2*)/9*0*3*&)q!
P3/...|7*00!7(,8!3(!>/8&!)-,&!/00!1/>'&,)!1/+!%/<&!3%&!.-00!&='&,*&+1&!(.!3%&!UGK!P->>&,!F-)*1!
W/> #K0&/)&!/0&,3!1/> '!)3/..!3(!/+B!/11(>>(2/3*(+)!+&&2&2!*+!(-,!1/>'!f-&)3*(++/*,&#!u*&7!
3%&!1/>'-)!D D!/11&))*9*0*3B!>/'#!
W/+!3\%!1/>' \&,)!-)&!3\%&*,!1&00!' \%(+&)q!
W/> '&,)!/,&!'&,>*33&2!3(!9,*+4!/!1&0!' %(+&!/+2!(3%&,!&0&13,(+*1!2&<*1&)!3(!9&!-)&2!2-,*+4!.,&&!
3^* > 8\#!@(7\&<\&,5!1\&00!'\%(+\&)!/+2!/00!(3\%\&,!2&<^*1\&)!)-1\%!/)!)>/,3!7/31%\&)5!>-)^*1!'0/B&,)5!4/>&)5!/+2!
3/90&3)!7*00!9&!3-,+&2!(..!1(>'0&3&0B!/+2!'-3!/7/B!(-3!(.!)*4%3!2-,*+4!/00!10/))&)5!,&%&/,)/0)5!/+2!
 \&,.(,>/+1\&)#!
W/+!./>*0B!1(>&!3(!&/3!7*3%!>&!*+!3%&!2*+*+4!%/00q!
R&!/)8!3%/3!./>*0B!>&>9&,)!,&.,/*+!.,(>!/33&+2*+4!>&/0)#F&/0)!/,&!/!1%/+1&!.(,!1/>'&,)!3(!>&&3!
(3\%\&,!>-)*1*/+)#!
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