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  1.4 \times E, !Q(22!Q0'?!4'?(>,!\%*>0=+!+>4*\$!\&,,0+=5(=',c'\&,E,!!
 ) %?(>(=3(!'4!&22!'?(![R68!U'?@3&2!8'&=%&>%,!I4>!6*5&=!8(>A@3(!T>4I(,,@4=&2,!!!!!!!
<=!$(>,4=K!$?4=(K!Q>@''(=K!&=%!(2(3'>4=@3!3455*=@3&'@4=,!&>(!$>4I(,,@4=&2c$42@'(c>(,$(3'&D2(! !!
<='(>&3'04=, |Q0'?!0=, '>*3'4>, |&=%!, *$(>A0,4>, |&>(!$>4I(,,04=&2!&=%!>(,$(3'I*2!!
  ) ''(='04=!'4!$(>,4=&2!?0+0(=(K!&2Q&0,!0=32*%0=+!%>(,,0=+!$>4I(,,04=&220!I4>!'?(!,(''0=+K!&=*!&A40%0=+!324'?0=+!
 '?&'!@,!>(A(&2@=+K!%@,?(A(2(%K!4>!@=&$$>4$>@&'(!
  7 \ \& = \ \& \le 1. \\ \times $ 4 \le 4. \\ \times $ 1. \\ \times $ 4 \le 4. \\ \times $ 1. \\ \times $ 2 \le 4. \\ \times $ 1. \\ \times $ 2 \le 4. \\ \times $ 2 \le 4
  I& 5 @2OcI>@(=%,0!!!
  8*0'&D020'O!I4>!'?(!$>4I(,,04=!4I!?*5&=!,(>A03(,!
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1
        L4=,*2'!&D4*'!,'*%(='!Q@'?!4'?(>!I&3*2'0!
        C\&2E!Q@'?!,'*\%(='!\&D4*'!\$(>3(@A(%!\$>4D2(5!
        <=3>(&,(!@=I4>5&2!3455*=@3&'@4=!&=%!@='(>&3'@4=,!O@'?!,'*%(='!
         ),,@+=!>(&%@=+,!>(2&'(%!'4!?*5&=!,(>A@3(,K!,*$(>A@,@4=K!4>!,E@22,!
        L45$2('(!&!$2&+@&>@,5!'*'4>@&2!&=%!'(,'!
         8*D50'!$&$(>,!I4>!$2&+0&>0,5!3?(3E0=+!
        M(A@(Q!\$>4I(,,04=\&20,5!1(D@=\&>,!4>!4'?(>!>(,4*>3(,!
         1 > 0'(!&!$(>,4=&2!34=%*3'!,'&'(5(='!
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         ),,0+=!&!$((>!5(='4>!I4>!'>&0=((!'4!,?&%4Q!
        8?0I'!0='(>=,?0$!Q4>E!3\&,(24\&\%!)
         ),,@+=!&!34\?(2\$(>!
        M(N*0>(!'4!>($(\&'!34*>,(Q4>E!
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         1 >0'(!&!2(''(>!4I!34=3(>=!
         \ (A(24$!&!Q>@''(=!>(5(%@&'@4=!$2&=!
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E/1$\|"-1\|F/\) -1\|A-\):(1)$;\|>1-8($$/-\)+5\|<(=(5-4*()\|">5+\)\|TG)$\|1&:\|-1\|-1\|D&4(1=/$-1\|"=1\|)
<!!&!, '*%(='!0, !14*=%!'4!D(!2&3E0=+!0=!&3&%(503!$>4+>(,,!4>!$>4I(,,04=&2!34=%*3'k!d:T>4I(,,04=&2!)(A(24$5(='!T2&=!
5 &0!D(!@=0'0&'(%!D0!(0'?(>!'?(!,'*%(='Y,!34*>,(!@=,'>*3'4>\K!,0'(!,*$(>A0,4>\K!4>!T>4+>&5!\@>(3'4>!\@>(3'20B!)!
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34=3(>=,!@=I4>5 &220!Q@'?4*'!I*>'?(>!$(=&2'OB!C?(!T>4I(,,@4=&2!\(A(24$5(='!T2&=!@,!@=@'@&'(%!&=%!54=@'4>(%!D0!'?(!
T>4I(,,%4=&20,5!L455%''((!&=%!0,!,%+=(%!D0!'?(!,'*%(='!&=%!'?(!T>4+>&5!\%)(3'4>\)))!34\$0!\,!\('&\)=(\%!D0!'?(!
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T>4I(,,\emptyset 4=\&2\emptyset,5!L4550"'(\emptyset !)!34\$0!\emptyset,!,\emptyset +=(\%!\&=\%!>('\&0=(\%!D0!'?(!,'*\%(='\%!)\%A\emptyset,4)\%!\&=\%!T>4+>\&5!\setminus\emptyset>(3'4>\emptyset!)
M(I^*,\&2!D0!\&!,'^*\%(='!'4!,\emptyset+=!\&=\%c4>!34.5\,\$20!Q@'?!\&!L\,)\,T!Q@22!\emptyset=@''\emptyset\&'(!'?(!\$4\,,\emptysetD020'0!4I!\$>4+>\&5\,!\%,5\,\%,\&2!'',((!=(P'!'4!,\emptyset+2!)Q@'')Q'',0))
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T>4+>\&5!\\ \\ 0:(3'4>!4!!'?(1)!+>\&%(!A0\&!(5\&02!)(55(1)!4224Q0=+!'?(!$4,'0=+!4!!+>\&%(.!14>!'?\&'!34*>,(8!S\&02*>(!'4!'4!'34*),(8!S\&02*>(!'4!'4!'34*),(8!S\&02*)(!'4!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'34*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'5!'35*),(8!S&02*)(!'5!'35*),(8!S&02*)(!'5!'35*),(8!S&02*)(!'5!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35*),(8!S&02*)(!'4!'35
%4!,4!34*2%!%(2&O!+>&%*&'@4=B!!
<!!'?(!T>4+>&5!D(2@(A(,!'?(!,@'*&'@4=!?&,!D((=!>(3'@@(%!%*>@++!&!$>4D&'@4+&>0!$(>@4%!''?(!,'*%(='!Q@22!D(!&224Q(%!
 '4!34='@=*'(!@=!'?(!$>4+>&5B!<I!'?(!,0"*&'04=!0,!=4'!>(3'0I0(%K!'?(!,'*%(='!5&0!D(!%0,50,,(%!I>45!'?(!T>4+>&5B!
A-)%/)&('"-1"D(=(1("A-):(1)$;">1-61+*"</$*/$$+5"TG)$%1&:%-10D&4(1=/$-10">1-61+*"</1(:%-10"<(4+1\%*()\%"
A \cdot +/10"+) '"A - 55(6("<(+))"
 ) = 0!, '*\%(='!Q?4!\%(54=,')&'(,!\&=!0=\&D020'0!4>!*=Q0220=+=(,,!'4!345\$20!Q0'?!\&!T>4I(,,04=\&2!)) (A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4>!'4)!A(24\$5(='!4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=''4)!A(24\$5(=
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0=14>5(%!0=!Q>0'0=+!"(B+BK!0=,'>*3'4>!(A&2*&'04=,K!$>4I(,,04=&2!%(A(24$5(='!$2&=K!L)TK!(5&020!4>!0=!$(>,4=!"(B+BK!
 5(('@=+!Q@'?!@=,'>*3'4>c,*$(>A@,4>!&=%c4>!T>4+>&5!\\@>(3'4>@4!!&=@!,(>@4*,134=3(>=,!&D4*'!'?(@>!D(?&A@4>!@=!
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T>4I(,,\emptyset 4=\&2\emptyset,5!L4550'')(\emptyset!T>4+>\&5!) \\ \$>(3'4)\%!\&=\%!L422(+(!)(\&=!4I!8'*\%(='!))\\ I\&\emptyset>,\emptyset!C?(!,'*\%(='!5\&0!\&2,4!D)\emptyset=+!)
4=(!$(>,4=!4I!,*$$4>'!'4!'?(!5(('@=+B!
C?(!?(&>@=+!Q022!D(!I&3020'&'(%!DO!'?(!T>4I(,,@4=&20,5!L455@''((!&=%!Q022!I4224Q!'?(!I4>5&'!D(24QF!!
aB <='>4%*3'@4=,!O@22!'&E(!$2&3(!
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! "#\$\&'()*'+,-.\!!/'01223\4\\"/-'\\5/6.7+\

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qq) %%!&%%0'04=&2!<'(5,!&,!8(3'04=,qqq!