

?GIN=:ME"I>" / A . A"PINQEN?"=I">;99" , E>E<F: <=?[" :@:;9: J9E"aIJ?A"5 IN"KE:N?2"89:;<=>?":<F"=GE"I=GEN"H9:??"

LELJEN?"G:@E"9E>="=GE;N"GILE?":<F">: L;9;E?";<" O E_;HI":<F"?RE<="HI<?;FEN: J9E"L I<EK":<F"E>>IN="=I"

HILE"=I"=GE" / <=>EF" . =:=E?"=I"PINQ">IN" , E>E<F: <=?A"

ba

@;?:?":<F"P INQEF";<"4 IO;?;:<:"R9:<=<M"?OM:NH:<EA""8ON?O:<="IT\ " / A .ACA"]"T!`WJZ2"89:;<=>>"-E?O?"
-;LE<EV" O :N=<EV"G:?"HI<?E<=EF";<"PN;=<M="I"JE":R:N=K"R9:;<=>><="G;?"54 . '":H=;I<A""3;?"PN;=E<
HI<?E<=";?"::=HGFE="I"=G;?"CILR9:;<=":"\$ _G;J;=" ' A"

!eA , E>E<F:<="4 IPNK"5:NL??"+<HA";?"<" ' NQ:<?:?"HINRIN:="I<"P;=G";=?"RN;<H;R:9"R9:HE" I>"
JO?;<E??";<"3 ENL;=:ME2" ' NQ:<?:?"A""4 IPNK"5:NL??"+<HA"RN;L:N;9K" IREN:=E?" :?" :?":JIN"HI<=N:H=IN"
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3 ENL;=:ME2" ' NQ:<?:?"<F";?"=GE"IP<EN":<F"8NE?;FE<="I">" , E>E<F:<="4 IPNK"5:NL??"+<HA"" , ON;<M":99"
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!hA ' =" :99"=:LE?"NE9E@:<="I"=G;?" :H=;I<2" , E>E<F:<="4 IPNK"5:NL??"+<HA" P :?"E<M:MEF";<"
HILLENHE"IN";<="GE"RNIFOH=;I<"I">"MIIF?">IN"HILLENHE" P ;=G;<="GE"LE:<=<M"I">=GE"54 . ' 2"T\ " / A .ACA"
]"T^bW?ZW!ZW ' Z2";<="G:=";=" IREN:=EF" :":>:NL"9:JIN"HI<=N:H=;<M"JO?;<E??";<" ' NQ:<?:?" :<F"4 IO;?;:<:"

P INQ;<M"HI<F;=;I<?"I>"?;L;9:N9K"?;=O:=EF" / A . A" P INQEN?A""g" / A . A"CA"]] "9! ^! W:ZW! eZW 3 ZW;;ZW:Z":<F"! !gg"
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! \A 5EFEN:9"NEMO9:;=;I<?"="T^"CA5A%A"]] "` eeA! TT"E?=: J9;?G"=GE"L;<;LOL"JE<E>=??" P :ME??
:<F" P INQ;<M"HI<F;=;I<?"=G:="LO?"=JE" I>>ENEF" JK":<"ELR9IKEN":?"R:N=" I">:<" 3 ST ' "@;?:" :RR9;H:;=;I<
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T^A ' <":MN;HO9=ON:9"ELR9IKEN"?EEQ;<M":="ELRIN:NK"9: JIN"HEN=;>;H:;=;I<"O<FEN"=GE" 3 ST ' "
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\$) ' Sh\^?" :<F"\$) ' Sh\^ ' " PG;HG":NE";<=E<FEF"=I"F;?H9I?E":99"=GE"L :="EN;:9"=ENL?" :<F"HI<F;=;I<?"I>"
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T!A "")GE"=ELRIN:NK"9: JIN"HEN=;>;H:;=;I<" :RR9;H:;=;I<">INL?" ;<H9OFE":<":="E?=:;=;I<" JK"=GE"
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>I99IP;<M"=ENL?!"

:A)GE" ELR9IKEN" P;99" R:K": 99" P INQEN?"=GE" G;MGE?=" I">"=GE": RR9;H: J9E": F@EN?E"
E>>EH" P :ME"N:="E";<"E>>EH"="="=GE";LE"=GE" P INQ";?"REN>INLEF2"=GE"RNE@:;9;<M" GION9K"
P :ME" IN"R;EHE"N:="E2" IN"=GE"5EFEN:9" IN" . :="E" L;<;LOL" P :ME">IN"E@ENK" GION" IN"RIN=;I<
=GENEI>" P INQEF" FON;<M": "R:K"REN;IFA" T^" CA5A%A"]] "` eeA! T^2` eeA! TTW9Zj""

JA ' "NEcO;NELE<="=G:=";>"=GE" P INQEN" P;99" JE"R:;F" I<": "R;EHE"N:="E" J:;?":<F"=GE"
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!"")GE?E">INL?" L:K"JE">IO<F":="G=R?IffP P PA>INE;M<9: J INHEN=AFI9E=:AMI@f>INLAH>L

:?"-GE" P INQEN" P IO9F"G: @E"E:N<EF" FON;<M"=GE"R:K"REN;IF";>"-GE" P INQEN"G:F"JEE<"R:;F"

:" =GE" :RRNIRN;:-E" GION9K" P:ME" N:=E" >IN" E:HG" GION" P INQEF^" T^" CA5A%A"]"

`eeA!TTW9ZWTZj""

HA)GE"ELR9IKEN" P;99"QEER":HHON:=E":<F":FEcO:=E"NEHINF?" P;=G"NE?REH="=I"=GE"

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NEHNO;=ENZ" PGIL " =GE" ELR9IKEN" E<M:ME??E;=GEN" F;NEH=9K" IN";<F;NEH=9K2";<";<=EN<: =;I<: 9"

NEHNO;=LE<=" I>" 3 ST ' " P INQEN?" =I" ?EEQ" IN" NEHE;@E" R:KLE<=?" IN" I=GEN" HILRE<?: =;I<"

>NIL "RNI?REH=;@E" ELR9IKEE?A""T^"CA5A%A" J" ` eeA!beWQZA"

TTA)GE" >I99IP;<M" :F@EN?E" E>>EH=" P:ME" N:=E?" :RR9;EF" =I" 3 ST ' " P INQEN?" ELR9IKEF"

(& . & " (* " \$) G # C * + \$! , ! C * \$! - " # ! " # \$ % & # % : 8 * # E !) * # C + - F + * B #

TeA , E>E<F<=<" 0 ;HG:E9"C9:K=I<" 4 I P N K " G : ? " J E E < " O = ; 9 ; < M " = G E " 3 S T ' " R N I M N : L " ? ; < H E " : = " 9 E : ? = " T ^ ^ g 2 " E ; = G E N " = G N I O M G " G ; ? " H O N N E < = " H I L R : < K 2 " , E > E < F < = < " 4 I P N K " 5 : N L ? ? " + < H A 2 " I N " = G N I O M G " R N E @ ; I O ? " H I L R : < ; E ? " ? O H G " : ? " C 9 : K " 4 I P N K " 5 I N E ? = N K 2 " + < H A # "

T`A , E>E<F<=<" 4 I P N K " 5 : N L ? ? " + < H A " : R R 9 ; E F " > I N " = E L R I N : N K " 9 : J I N " H E N = ; ; H : = ; I < ? " = I " E L R 9 I K " > I N E ; M < " P I N Q E N ? " R O N ? O : < = " I " = G E " 3 S T ' " @ ; ? : " R N I M N : L " = I " E < M : M E " ; < " ? O M : N H : < E " R 9 : < = ; < M " ; < " 4 I O ; ? ; : < : " ; < " T ^ ! ` 2 " T ^ ! h 2 " T ^ ! g 2 " : < F " T ^ ! \ A " ") G E ? E " = E L R I N : N K " 9 : J I N " H E N = ; ; H : = ; I < " : R R 9 ; H : = ; I < ? " P G ; H G " P E N E " O 9 = ; L : = E 9 K " : R R N I @ E F " : < F " H E N = ; ; E F " J K " = G E " > E F E N : 9 " M I @ E N < L E < = ? " ; F E < = ; ; E F " 4 I P N K " 5 : N L ? ? " + < H A " : ? " = G E " E L R 9 I K E N " I > " = G E " 3 S T ' " P I N Q E N ? " : < F " ? I O M G = " H E N = ; ; H : = ; I < " = I " E < M : M E " ; < " ? O M : N H : < E " R 9 : < = ; < M " > I N " = G E " > I 9 9 I P ; < M " = ; L E " R E N ; I F ? " : < F " > I N " = G E " > I 9 9 I P ; < M " < O L J E N " I > " ; < F ; @ ; F O : 9 ? I "

T^!`l""hf!efT^!\`o"!^fT^fT^!\`w`gd"3ST'"PINQEN?Z"
T^!hl""hf!efT^!h"o"!^fT^fT^!h"wgdh"3ST'"PINQEN?Z"
T^!gl""hf!efT^!g"o"!^fT^fT^!g"wg`"3ST'"PINQEN?Z"
T^!\l""hf!efT^!\`o"!^fT^fT^!\`wgTe"3ST'"PINQEN?Z\$"

ThA ' ? " R : N = " I " = G E " = E L R I N : N K " 9 : J I N " H E N = ; ; H : = ; I < " : R R 9 ; H : = ; I < ? " ; F E < = ; ; E F " ; < " 8 : N : M N : R G " T ` 2 " , E > E < F < = ? " ? O J L ; = E F " = G E " : R R 9 ; H : = ; I < " F I H O L E < = ? " F E ? H N ; J E F " ; < " 8 : N : M N : R G " T ^ " = I " = G E " : R R N I R N ; : = E " M I @ E N < L E < =

beA 89:;<=>?":<F"I-GEN"H9:??"LELJEN?"RE<="HI<?;FEN:J9E"O L?"I>"L I<EK"=I"IJ=:;<="GE;N"
3 ST ' " P INQ"@;?:?":<F"=N:@E9">NIL"=GE;N" GILE=IP<?";<" O E_;HI"=I"=GE" / <=<EF" .:=-E?"=I" P INQ">IN
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b`A ' >=EN" JE;<M"NEHNO;=EF"=I" P INQ">IN" , E>E<F:<=??" 89:;<=>?":<F" I-GEN" H9:??" LELJEN?"
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I>="GE;N" 3 ST ' "@;?:?A""

bhA 89:;<=>?":<F" I-GEN" H9:??" LELJEN?";<HONNEF"=N:<?RIN=:;I<"E_RE<?E?"=I"=N:@E9">NIL"
=GE;N" GILE=IP<?="I" O I<=ENNEK2" O E_;HI">IN"=GE"RNIHE??;<M" I>="GE;N" 3 ST ' "@;?:?A") GI?E"E_RE<?E?"
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ELR9IKLE<=A""

bgA 89:;<=>?":<F" I-GEN" H9:??" LELJEN?";<HONNEF"9IFM;<M"E_RE<?E?" PG;9E"=GEK"NEL :;<EF"
;<" O I<=ENNEK2" O E_;HI2" P :;=<M">IN"=GE;N" 3 ST ' "@;?:":RR9;H:;I<?"=I" JE"RNIHE??EFA"") GI?E"E_RE<?E?"
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b\A 89:;<=>?":<F" I-GEN" H9:??" LELJEN?" R:;F" : " i ! \ ^ " >EE" :?" R:N=" I">="GE" 3 ST ' " @;?:"
:RR9;H:;I<"RNIHE??A"") G;?">EE" P :?"RN;L :N;9K">IN"=GE"JE<E>="I"> , E>E<F:<=?A"" , E?R;=E"=G"=:>:H=2";=
P :?" , E>E<F:<=?["?=:EF" PN;=E<"RI9;HK"=G"=:="GE" 89:;<=>?":<F" I-GEN" H9:??" LELJEN?" P IO9F"G:@E"=I"
R:K"=G;?">EEA"") G;?">EE" P :?"<E@EN"NE;L JON?EF" FON;<M"=GE"89:;<=>?[" :<F" I-GEN" H9:??" LELJEN?[">;N?="R:
R:K"REN;IF?A""

%"See"[G=R?IffL_AO?ELJ:??KAMI@fELJ:??KSHI<?O9:=E?fLI<=ENNEKf@;?:?fGTS@;?:?S;<SLI<=ENNEKf"](#)

ddA , E?R;=E" RNIL;?;<M" :?" R:N=" I>" =GE" 3 ST ' " @;?:" :RR9;H:=-;I<" RNIHE??" =I" R:K" =GE"
MO:N: <=EEF" L;<;LOL" : L IO<=?>"IN"=GE">;N?=" P INQPREEQ" I>"ELR9IKLE<=" :?"FE?HN;JEF";<"8:N:MN:RG?"
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: L IO<=?>"IN"=GE;N">;N?=" P INQPREEQ" I>"ELR9IKLE<=?>;<"JNE:HG" I>"=GE" 3 ST ' " P INQ"HI<=N:H=?A"

deA , E>E<F:<=?" >:;9EF" =I" NE;LJON?E" =GE" 89:;<=>?" :<F" I=GEN" H9:??" LELJEN?" PGI"
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d`A , E>E<F:<=?>:;9EF"=I"RNI@;FE" IN" I=GENP;?E"R:K">"IN"=GE">O99"=N:<?RIN=:;I<"HI?=?"GILE"
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]" ` eeA!TTWGZW!ZA"

, - AA& , \$!E&#* , \$! - "H , A*))#* , \$! - "##*AA&F * \$! - ")#

dhA 89:;<=>?"?EEQ"=I"JN;<M"=GE;N"54. ' "H9:;L?"WCIO<="+Z":?" : "NERNE?E<=:;@E" :H;I<"I<"
JEG:9>"I>"X:99" 3 ST ' "=ELRIN:NK">INE;M<"P INQEN?":FL;==EF"=I"=GE" / <=-EF" .=: =E?"RON?O:<="=I" g" / A . ACA"
]"

P INQEF" JK" 3 ST ' " P INQEN?" :<F"<I="?ORR9ELE<=:<M"=GE;N"R;EHESN:=E"E:N<;<M??"NE?O9=;<M";<"=GE" 3 ST ' "

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:A B GE=GEN" =GE" 89:;<=>?" :<F" I=GEN" H9:??" LEL JEN?" NEHE;@EF" 9E??" =G:<" =GE"
NEcO;NEF" ' F@EN?E"\$>>EH=" B :ME"% : =E"W ' \$ B %Z">IN"E@ENK"GION" I>" P INQ" FON;<M" =GE;N"
>;N?=" P INQPEEQ" :?" : " NE?O9=" I>" , E>E<F:<=?[" >;9ONE" =I" RNIREN9K" NE;L JON?E" =GE"
89:;<=>?[" :<F" I=GEN" H9:??" LEL JEN?">IN"@;?:"=N:<?RIN=:;I<2" J INFEN" HNI??;<M2" :<F"
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LEL JEN?[" HI<=N:H=?" P ;=G" =GE" , E>E<F:<=?A"

JA B GE=GEN"=GE" , E>E<F:<=?">;9EF"=I"R:K"=GE"89:;<=>?" :<F" I=GEN" H9:??" LEL JEN?"
=GE" MO:N:<=EEF" L ;<;LOL" P :ME?" RNIL ;?EF" ;<" =GE;N" HI<=N:H=?">IN" =GE">;N?=" PEEQ" I>"
P INQ" W i b g d a g d >IN" T ^ ! ` j " i b h b A ` g >IN" T ^ ! h j " i b g ` A T g >IN" T ^ ! g j " :<F" i d ^ h a g g >IN"
T ^ ! \ Z A "

HA B GE=GEN"=GE" , E>E<F:<=?">;9EF"=I"R:K"=GE"89:;<=>?" :<F" I=GEN" H9:??" LEL JEN?"
=GE" HI<=N:H=O:9" ' \$ B % ">IN" :99" HI L RE<?: J 9E" GION?" P INQEF" JK">;9;<M" =I" RNIREN9K"
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I=GEN" H9:??" LEL JEN?[" R;EHE"N: =E"E:N<;<M?A""

FA B GE=GEN"=GE" , E>E<F:<=?">;9EF"=I" L :;<=:;<" HI LR9E=E" :<F" : HHON: =E" NEHINF?"
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EA B GE=GEN"=GE" , E>E<F:<=?">;9EF"=I" RNI@;FE"=GE" 89:;<=>?" :<F" I=GEN" LEL JEN?"
I>" =GE" H9:??" P ;=G" HI LR9E=E" :<F" : HHON: =E" P :ME"?=: =ELE<=?A""

>A B GE=GEN2" ORI<" HI LR9E;I<" I>" e^m" I>" =GE" P INQ" HI<=N:H=??" =GE" , E>E<F:<=?"
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=N:<?RIN=:;I<" E_RE<?E?" =I" =N:@E9">NIL" =GE;N" GILE?" ;<" O E_ ;HI" =I" =GE" , E>E<F:<=?["
P INQ" 9IH: =;I<" ;<" 4 IO;?; :<:2" :?" NEcO;NEF" JK" =GE;N" P INQ" HI<=N:H=?A"

MA B GE=GEN2"ORI<"HILR9E=;I<"I>"e^m" I>=GE" P INQ"HI<=N:H=?"-GE" , E>E<F: <=?>
>:;9EF"=I"RNIREN9K"R:K"=GE"89:;<=>?":<F" I=GEN"H9:?? "LEL JEN?"=GE" F";9K"?OJ?;?=E<HE"
: L IO<=?>"IN" E:HG" F:K" =GEK" ?RE<="=N:@E9;<M">NIL" =GE;N" GILE?" ;<" O E_;HI" =I" =GE"
, E>E<F: <=?[" P INQ"9IH:;I<";<"4 IO;?;:<:2":?"NEcO;NEF" JK"=GE;N" P INQ"HI<=N:H=?A"

GA B GE=GEN"=GE" , E>E<F: <=?>:;9EF"=I"RNI@;FE" IN" I=GENP;?E"R:K">IN"=GE"89:;<=>?["
:<F" I=GEN"H9:?? "LEL JEN?["NE=ON<="N:<?RIN=:;I<":<F" F";9K"?OJ?;?=E<HE">IN"=GE;N"=N:@E9"
J:HQ"=I" O E_;HI"ORI<"HILR9E=;I<"I>"=GE;N" P INQ"HI<=N:H=?A"

ebA \$NQL;1PLMNA") GE"H9:;L?"I>=GE"<: LEF"89:;<=>?":NE"=KR;H:9" I>=GI?E" I">=GE" I=GEN"H9:?? "
LEL JEN?";<="G:="99" I">=GE"<: LEF"89:;<=>?":<F" I=GEN"H9:?? "LEL JEN?"G:F"=GE;N" P :ME?"NEFOHEF" JE9 I P"
=GE":RR9;H: J9E" ' \$ B %";<="GE;N">;N?=" P INQP EEG?"FOE"=I"=GE" , E>E<F: <=?[">:;9ONE"=I"RNIREN9K"NE;L JON?E"
=GEL">IN"E_RE<?E?":??IH;:=-EF" P;=G" IJ=:;<=>M" 3 ST ' "@;?:?":<F"=N:@E9;<M"=I"=GE" / <=-EF" .=: =E?"=I" P INQ"
>IN" , E>E<F: <=?j":99" I">=GE"<: LEF"89:;<=>?":<F" I=GEN"H9:?? "LEL JEN?" PENE"<I="R:;F"=GE"MO:N: <=EEF"
L;<=>L OL" P :ME": L IO<=?"FON;<M"=GE;N">;N?=" P INQP EEG?"=G:=" , E>E<F: <=?RNIL;?EF":?"R:N" I">=GE" 3 S
T ' " P INQ"HI<=N:H=?":RRNI@EF" JK"=GE" , * 4j":99" I">=GE"<: LEF"89:;<=>?":<F" I=GEN"H9:?? "LEL JEN?" PENE"
<I="RNI@;FEF":RRNIRN;: =E"?OJ?;?=E<HE"R:KLE<=?>IN"=GE"=I=:9<OL JEN" I">F:K?"=GEK" ?RE<="=N:@E9;<M"=I"
=GE" / <=-EF" .=: =E?"=I" P INQ">IN" , E>E<F: <=?j":99" I">=GE"<: LEF"89:;<=>?":<F" I=GEN"H9:?? "LEL JEN?" PENE"
<I="R:;F"=GE" ' \$ B %">IN"E@E

edA *R3SI1;NA")GE" <: LEF" 89: ;<=>?" P;99"> : ;N9K" : <F" : FEcO: -E9K"NERNE?E<="GE"; <=>ENE?=" I>" =GE" H9: ??A")GE" <: LEF" 89: ;<=>?" G: @E" =GE"?: LE"; <=>ENE?="?: ?" =GE" LEL JEN?" I>" =GE" H9: ??": <F" P;99" @;MINIO?9K"RNI?EHO=E"=GE?E"; <=>ENE?="?I<"JEG: 9>"I>"=GE"H9: ??A""CIO<?E9">IN"=GE"89: ;<=>?"?: ?"E_REN;E<HEF" ;<"G: <F9;<M": H=;I<"JK" 3S" T " P INQEN?"=I"E<>INHE"=GE;N"N;MG=?"O<FEN"=GE;N"ELR9IKLE<="HI<=N: H=?": <F" G: ?"G: <F9EF" <OLENIO?"H9: ??": H=;I<"?: <="GE">EFEN: 9"HION=?"; <H9OF;<M" H9: ??": H=;I<" I<"JEG: 9>" I>" 3S T " P INQEN?"JN;<M;<M" H9: ;L ?"?;L: 9:N=I"=GI?E"RNE?E<=EF"; <="G: ?": H=;I<"A""89: ;<=>?"q"HIO<?E9"; ?"RNER: NEF" =I": F@: <HE"9;=: M: =;I<"HI?="<EHE??: NK"=I"@;MINIO?9K"9;=: M: =E"=G: ?": H=;I<" : <F"=I"RNI@;FE" <I=: HE"=I"=GE" H9: ??" LEL JEN?"O<FEN" 5EFEN: 9"%O9E" I>"C; @; 9"8NIHEFONE" TbWJZWbZA"

eeA 89: ;<=>?"[" RNIRI?EF" C9: ??" LEE=?" =GE" NEcO;NELE<=?" I>" HEN=; ;H: =;I<" O<FEN" 5EFEN: 9" %O9E" I>"C; @; 9"8NIHEFONE" TbWJZWbZA"

e`A CK3R4JL010;3#4T# , 4J J 40#UI32ML402A")GE" cOE?=: I<" I>"9: P" IN">: H="HILL I<"=I" =GE" H9: ???" ;FE<=: ;EF" : JI@E" ;<" 8:N: MN: RG" eT2" RNEFIL; <=: =E" I@EN" : <K" cOE?=: I<" :>>EH; <M" I<9K" ;<F: @;FO: 9" LEL JEN?"A""

ehA) IQ3KL4KLMNA" ' " H9: ??": H=;I<" O<FEN" 5EFEN: 9" %O9E" I>" C; @; 9"8NIHEFONE" TbWJZWbZ" ;?" ?OREN; IN"=I" I=GEN" : @: ;: J9E" LE=GIF?" I>": FaOF; H: =; <M"=G; ?"HI<=NI@EN?"K" JEH: O?E2" i e a ia:"

:A)GE" HILL I<" ;??OE?" I>"9: P" : <F">: H=2" : ?" PE99" : ?" =GE" NE9: =; @E9K" ?L: 99"?; VE" I>" =GE" ;<F: @;FO: 9" H9: ??" LEL JEN?q" H9: ;L ??" ?OJ?=: <=: :99K" F; L; < ;?G" =GE" ; <=>ENE?=" I>"

HA +=;"FE?;N:J9E"G:="-GE"H9:;L?"JE"GE:Nf";<"=G;?">INOL"JEH:O?E"=GE",E>E<F:<=?"

NE?;FE";<"=G;?"F;?-N;H=j":<F"

FA ' " H9:??" :H=;I<" H:<" JE" L:<:MEF" P;=GIO=" O<FOE" F;>>;H09=K" JEH:12.2457589.9143cm

GILE?";<" 0 E_;HI"=I"-GE"aIJ?;-E?";<" 4 IO;?;:<:2":<F"9IFM;<M"E_RE<?E?";<" 0 I<=ENNEK2" 0 E_;HI" PG;9E"

HILR9E=;<M"=GE" 3 S

JA 5

T^"

h!A ,E>E<F:<=?[" JNE:HG" I>"-GE"ELR9IKLE<-"HI<=N:H=?"H:O?EF" 89:;<=;>>" :<F" -GE" I=GEN"
H9:??"LELJEN?"?OJ?=:<=:9";

T!"

E:HG" I>"-GE" 89:;<=>>" :<F"-GE" I=GEN"H9:??" LELJEN?"-GE;N" :H=O:9" :<F"HI<?EcOE<=:9"

F: L :ME?" :<F"RNEaOFMLE<=";<=ENE?="j"

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