+T,7!F9!f+g!K,7+/,H!+4+,Hh7!+4!3EE! 7!9/!6/9T,7?!9/+,,H!+48: 9/!34!⊂/3F34Q;!fTg!6/7E74F!/7,7L+4F!
34C9/?+F394!+48!387+E!34!+4!9/Q+43h78!C+E2394!9/+,,H!+48: 9/!34!⊂/3F34Q;!fKg!87L7,96!+48!7d6/7EE!

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e+EF,H;!C7!+,,!4778!F9!F748!K+/7CI,,H!F9!P77634Q!,347E!9C!K9??I43K+F394!96740!Z!C3,,!C9/P!F9!K2+,,74Q7!H9I!
+E!?IK2!+E!Z!K+4!C3F29IF!9L7/C27,?34Q!H9I0!59!EI669/F!H9I!/6/9Q/7EE!F2/9IQ29IF!F27!K9I/E7;!Z!6,+4!F9!
K27KP!34!F2/9IQ29IF!F!F27!E7?7EF7/;!49F!94,H!F9!?+P7!EI/7!H9II/7!P77634Q!I6!C3F2!F27!/7+834Q!+48!C/3F34Q!
TIF!F9!?+P7!EI/7!F2+F!H9II+!+/7!89349!C7,,0!S48!C274!H9I p/7!49F;!F9!27,6!H9I!C348!F27!EI669/F!H9I!
47780![+F374K7q !C3F2!947E7,C!+48!C3F2!9F27/Eq !3E!K/3F3K+,!C9/!+!EI KK7EECI,!,7+/434Q!7d67/374K70!

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Z4!+883F394!F9!K9?6,3+4K7!C3F2!o7E23L+!i 43L7/E3FHIE!M987!9C!M948IKF;!34!F23E!K9I/E7;!EFI874FE!C3,,!T7!
7d67KF78!F9=!
- !"#$%&"% ()*+))(",)%-.$-/.$' ;!2+L34Q!/7+8!+48!/7E7+/K278!?+F7/3+,!I487/!EFI8H^!7d6,3K3F,H!8/+C!94!
F2+F!6/76+/+F394!TH!/7C7//34Q!F9!7L3874K7!C/9?!F7dFE!+48!9F27/;!/7E7+/K2!94!F27!F963K!9/!3EEI7!F9!
EF3?I,+F7!+!F29I Q2FCI,;!C7,,V/7+E9478!7dK2+4Q7!9C!387+E0!
- 0, (&(/&$%/, ' %-/.&(*(-/&$%11$*&(2$34!34!+!/+4Q7!9C!K9,,+,,+T9/+F3L7!83EKI EE394E!f947V94V947;!34!Q/9I6E;!+48!
F7+K27/V,78g!C3F2!H9I/!677/E;!TI3,834Q!94!9F27/EI!387+E!+48!7d6/7EE34Q!F273/!9C4!K,7+/,H!+48!
67/EI+E3L7,H0!
- 5$*678.$$%9$/.,(,:%, 2(.",#$, &0!M7,,!62947E;!?9T3,7!87L3K7E;!9I/!,+6F96E!?+H!49F!IE78!8I/34Q!K,+EE0!ZC!
H9I!2+L7!4!+!KK9??98+F394!,7FF7/;!6,7+7!?+P7!+!?77F34Q!F9!83EKIEE!8I/34Q!F27!C3/EF!C77P!9C!K,+EE0!o9I!
C3,,!4778!F9!2+L7!2+/8!K9637E!9C!F7+834Q!?+F7/3+,!E!34!K,+EE!+48!F+P7!49F7E!TH!2+489!S,,!K9I/E7!
?+F7/3+,E;!E387E;!+48!2+89IFE!C3,,!T7!L+3,+T,7!94!M+4L+E!+48!K9637E!C3,,!T7!83EF/3T!F780!
- <$#",)&./&$%",)(' $./&$%3/)). ""#%", ' +*&!F9!742+4K7!H9I!/!+K+87?3K!7d67/374K7!+48!F2+F!9C!H9I/!
K9,,7+QI7E!Z46+/F3KI,+/;!H9II+/7!EP78!F9!K94F/3TIF7!F27,7+/434Q!74L3/94?74F?74F!TH!T34Q34Q!6/9?6F!+48!
K9IF/9E!E,!49F!7+F34Q!8I/34Q!K,+EE;!+EE34!+48!49F!C+,P34Q!34!+48!9IF!9F!F+P34Q!34!66/96/3+F7,H!9I!9I!F9C!FI/40!
- =$)-$*&%"+.%&(#$%&": $$6$.0!SF!+!/7E7+,/K2!I 43L7/E3FH!EI K2!+E!oi;!34EF/IKF9/E!+2!EI/7!+4H!/7694E3T3,3F37!
+48!87?+48E!94!F273/!3?7!34!+883F394!F9!F+K234Q;!+48!F27H!+/7!49F!+L+3,+T,7!874FE!C+F+,,!F297E!7E0!
D7/7!+/7!E9?7!F7298E!9C!7E67KF34Q!H9I /!34EF/IKF9/!34!+!
  - B/34Q!IC9KI E78!]I7EF394E!C274!H9I!+!FF748!9CC3K7!291/E!+48!T7!EI/7!F9!K94F+KF+KF!H9I!/34EF/IKF9/!34!+!
    F3?7,H,H!C+E234Q!3C!H9I!C3,,!49F!T7!+T,7!F9!P77!+!EK278!,78!+66934F?7!74F0!
  - O274!C/3F34Q!+4!7?+3,;!T7!EI KK34KF!+48!6/7E74F!H9I /!]I7EF394E!+EI,K,7,7+/,H!+!E!69EE3T,7^!+,C+HEII E7!+4!
    +66/96/3+F7!F947!3E3Q4!H9I/4!+4+?7!;!+48!6/99C/+8!H9I/!7?3,E0!
  - SL938!7?+3,34Q!H9I /!34EF/IKF9/!+T9I I F!? +FF7!F+K+6!K+4T7!88!7EE78!34!67/E94!T7C9/7!9/!+CF7/!K,+EE0!
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SK+87?3K!83E2947EFH!3E!I4+KK76F+4,78!+48!C3,,!49F!T7!F9,7/+F78!F9!o7E23L+!i 43L7/E3FH0!M27+F34Q;!C9/Q7/H;!
83E2947EF!K9481KF;!+48!6,+Q3+/3?!7!9871!oi IE!78IK+394+,;!7E+48!67+48+/87E!527H!87L+,7!F!
F27!,7+/434Q!7d67KF78!+48!3FE!,7QE3?;?+KH!49F!94,HIC9!F27/67/67F/+9!E!C9I/2F3/73K9?7+74F?78//3!43FH0?Z!3E!
3?67/+F3L7!F2++F!H9II IC+?3,3+/3?+E!IE!SK+87?3K!Z4F7Q/3FH!1F+F+F7^?!+,94Q!C3F2!F2+23E+E!EHF2+E!EH,E+PH!:9;!
ZF!3E!7EF7E74Q!3H!34?,E+34!3E1Q 3H+E74/7IH87IF4!/7?,+HF47478!7678IH?KH+I/E3F7?P94/7/+F7!?34!TF+/3I,KHIH+8!
+48!+KK76F3483E!34F+3I?7694+,34F++894?+H/341FT4F?7694IK+4994?34CE7?E03H,+4+!394?7J3?78+3K!37E3EI3,7?4+I9?78!
+,G+34/77?/F34F+3+,+48?K+3K3H?+F794L47J67E83L7?44,434F+H?+89K7834T+94FH7+48?EH?9,KEP34Q4394?3/7,ZEL4JY43Y7
!
[,+Q3+/3E?!?7+4E!?3E/76/7E7E34Q!E9?7947E!38?9/!7E!EFH!8387!C9!8F!C9/8E!+48?387!+H387!8?38!98!T78!ISLZ0!
3P7!$[5g!+E!H9I/!9K40![,+Q3+/3E?K+4!T7!+6DUE8!34T7KH7?887EEF7/?FF9/E!+4/34QPI,E6/+TIE0!
C+/F3,K34FY/+?8+7EI/69F387?E38K9?9=?F37!34F7I4CH8?9H79IFH=3/674FH3F32IE78349I/9CK39?/?+7E34//+!
3P7!$M2+7$[5!?6877+74F9;3H9cg;!9E?F9c/6+C34F+4FFKCA+F7?94FG3!397E6F+87?8Y?EY78?9+Y+?87I88Y9P9?+Y8+78Y
3877+E4H!6;8+?+EH//J787447IJ/7?4F73E647679,/JE3E8YF4?7394I/9YT934K974767K+E1H8K479I7/EF934K+Y7897I!
+/7!+,,?9/?E94K!+4H8J8/3,48/7674Y94/8787E897=/FI79C39I9/3EI?94?;?+6K7+9CE9;49F!FH7IE9!I/-C79I4C4?T3K?4!
9C!9IFE387!3E!IK7E0!
!
523E!K9I/E7!C9;,,9CEL!o7E23L+!i 43L7/E3FH!SK+87?3K!3?!47E93EH3K34QL+H3;3F,48K9/34FH79FH8H/8^K78/7EH3P0
9C!generative 7;!/F3C3K3+3C3K+F9I4K6?7C++H9/F9!9F94F94+F7I+F9I49K6+KC3/4H4KC9KH37479;J/+F9IVJ9K737!TK43

6/923T3F78!34!F23E!K9I /E70!527!I E7!9C!*assistive*!+/F3C3K3+,!34F7,,3Q74K7q 34K,I 834Q!Q/+?？+/!K27KP7/E;!E67,,!
K27KP7/E;!+48!83Q3F+,!F27E+I /I E7Eq 3E!+,,9c78Q![/7V+66/9L78!+EE3EF3L7!SZ!6,+FC9/？E!34K,I 87!E67,,!K27KP7/E!
+48!Q/+?？+/!K27KP7/E!34!k3K/9E9CF!O9/8!+48!$99Q,7!. 9KI ？74FE;!$/+?？+/,H;!+48!D7?？34Qc+H0!S4H!
6,+FC9/？!49F!,3EF78!+T9L7!3E!49F!+66/9L78!C9/!I E70!ZC!H9I !+/7!I 4EI /7!C27F27/!!+!6,+FC9/？!9/!F7K249,9QH!3E!

○77P!%⌐!5I 7E8+H;!&: YN!s!52I /E8+H;!&: Y&!	U+,73Q2;!D7/T7/F;!1674E7/! M9？？946,+K7!1I T？3EE394!tY!
○77P!>⌐!5I 7E8+H;!&: ‐%!s!52I /E8+H;!&: ‐<!!	12+P7E67+/7;!u94E94;!. 9447!

○77P!<⌐!5I 7E8+H;!Y（: Y!!