



!"#\$%&' ()%

%

./-0"123-%" 55+6\$.....8%
9: 16; <" 012; : %.....=%
> ; 6?2: , %@-A2: 212; : % A%B-: 1+#C-+#1D.....E%
F: <-6#\$2: , %*6-52G-G.....H%
I #; J+#+: <%K+12; : +#L; : 1-/1G.....M%
*6; 32: 02+#L; : 1-/.....(
B; " : 1%N#2G; : %F: 23-6G21\$L; : 1-/.....(&%
N%4\$G1-520%N006; +0D% ; %B-: 1+#C-+#1D.....)%
(7%0: G121"12; : +#A16"01"6-P%Q6, +: 2R+12; : S%*#+: : 2: , %+: <%* ; #20\$.....(E%
&7%4"00; 6123-S%0: 0#" G23-%L+50"G%L#25+1-%+: <% : 326; : 5-:(M%
87%B-: 1+#C-+#1D%NT+6-: -GG.....&8%
U7%L; 55" : 21\$L+0+021\$L ; %/-GO; : <% ; % +6#\$%0: <20+12; : G% A%41" <-: 1%L; : 0-6:&)%
=7%4-#AWB+: +, -5-: 1%L; 50-1-: 02-G%+: <%L; 02: , %A?2#G.....&M%
)7%N00-GG2J#-#B-: 1+#C-+#1D%4-6320-G.....8(
E7%L62G2G%B+: +, -5-:8U%
4" 55+6\$%+: <%K-/1%41-OG.....8)%
V-A-6-: 0-G.....8H%
N<<212; : +#W-G; " 60-G.....U' %
% %

B; " : 1%N##2G; : %F : 23-6G21\$%G-63-G%+%G5+##%\$-1%-23-6G-%G1" <- : 1%O; 0"#+12; : S%+ : <%G%<-<20+1-<%I; %A; G1-62: , %+: %
+0+<-520%-/0-62-: 0-%D-: 1-6-<% : %D-%': <-6, 6+<" +1-%G1" <- : 1S%+ : <%<-#23-6-<%I: %+: %I: 125+1-%+: <%
D+65; : 2; "G%+ : 326; : 5- : 17%K6; 5%+%G1" <- : 1YG%+6623+##%I; %D+50"G%<"62: , %A+##%I 62-: 1+12; : S%ID6; " , D%I; %D-%<+\$%
; A% 6+<" +12; : S%ID-%F : 23-6G21\$% AA-6G%+: %+15; GOD-6-%ID+1%G%J; 1D%I: 32; ; 6+12; , %+: <%OD+##- : , 2; , %+1%-3-6\$%
G1+ , -7%0000%

9: %<0- : 1%\$-+6GS%G1" <- : 1%D-+#1D%+: <%T-##%J-2: , %D+G%J-0; 5-%+%D625-%D; : G2<-6+12; : %+1%O; G1%G-0; : <+6\$%
2: G121"12; : G%+06; GG%K; 61D%N5-620+7%N: <%TD2#-%5+ : \$%G1" <- : 1G%ID623-%<"62: , %ID-G-%\$-+6GS%5+ : \$% 1D-6G%
-/0-62- : 0-%5- : 1+##%D-+#1D%OD+##- : , -G%ID+1%5+\$%D"1%D-5%+1%G2G?7%

B- : 1+##%D-+#1D%-/2G1G% : %<" +##%D; : 12: " +7%Q% : % : -%D; : 12: "" 5S%T-%D+3-%5- : 1+##%I##: -GG%3G7%#+0?% A%5- : 1+##%
2##: -GGZG\$501; 5G7%Q: %ID-% 1D-6%D; : 12: "" 5S%T-%D+3-%D; G2123-%5- : 1+##%D-+#1D%I%#; "62GD2: , \3G7%O; ; 6%5- : 1+##%
D-+#1D%I%#+: , "2GD2: , \7%Q"6% ; +##%G%I; %A; G1-6%+: % : 326; : 5- : 1%I: %TD20D%+##%G1" <- : 1GS%- , +6<#-GG% A%TD-1D-6% 6%
; ; 1%D-\$%D+3-%+<2+ , ; ; G2GS%O+ : % :] ; \$%O; G2123-%5- : 1+##%D-+#1D%I%TD-6-%G1" <- : 1G%+6-%D; 5A; 61+J#-S%D; : A2<- : 1%
+ : <%D+O+J#-% A%O-6A; 652: , S%+ : <%I; %D-26. 3"1+42Tc4. 664(#)5 (%)JT; 61"OGZ(#D)3 (%)5 (0)-1(-650)2Tc-2\42Tc4. -1(-2(;)

_D-%2G2: , %2: 02<-: 0-% A%0; G1WG-0; : <+6\$%G1" <-: 1G%T21D%5 -: 1+#D-+#1D% --<G% 6%- /0-62-: 02: , %5 -: 1+#D-+#1D%
0; : 0-6: G%A; 6%D-%26G1%25-%D+G%D+<%+: %250+01% : %': 23-6G21\$%0+50"G-G%+06; GG%K; 61D%N5-620+7%B+: \$%
G1" <-: 1%+AA+26G%06; A-GG2; : +#G%-0; 61%+%61-+<\$S% A1-: %<6+5+120%2: 06-+G-%2: %D-% "5J-6G% A%G1" <-: 1G%
6-c"-G12: , %5 -: 1+#D-+#1D%G-6320-G%2: %6-0-: 1%\$-+6G7%01%2G%+%0D+##-: , -%1; %5 --1%D-%2: 06-+G2: , #S%0; 50#-/%
5 -: 1+#D-+#1D% --<G% A%G1" <-: 1G%D6; " , D%D-%': 23-6G21\$Y%G- /2G12: , %6-G; "60-G7%
%

B-: 1+#D-+#1D%D+: %J-%<-A2: -<%+GP%

%I ; 3-6: 5 -: 1% A%L+: +<+S%&' ')\7%

%

>D-: %T-%<2G0"GG%D-%G1+1-% A%+-%D-6G; : YG%5 -: 1+#D-+#1D%D-%5+\$%J-%I-501-<%I; %A; 0"G%-/O#"G23-#S% : %I D-%
06-G-: 0-% 6%+JG-: 0-% A%+-%<2+, ; ; G-<%5 -: 1+#D##: -GGS%+GG"52: , %I D+1%2A%D-%2: <232<" + # % D; TG% ; %G\$501; 5G%
; A%5 -: 1+#D##: -GGS%+ : <%D+G% ; %<2+, ; ; G2GS%D+1%D-6G; : %D; "#<%J-%<-A2: -<%+G%D+32: , %I, ; ; <%5 -: 1+#D-+#1D%D7%

C; T-3-6S%-3-: %ID; G-%T21D; "1%+-%<2+, ; ; G-<%5 -: 1+#D##: -GGS% 6%G\$501; 5G% A%5 -: 1+#D##: -GGS%5+\$% ; 1%J-%2: %+-%
G1+1-% A% 0125+#%5 -: 1+#D-+#1D%D%I27-7S%A#; "62GD2: , \7%421" +12; : + # % +01; 6GS%616-GGS%#2A-G1\$#-%D; 20-GS%-107%D+: %
#-+<%I; %+G1+1-% A%D; ; 6%5 -: 1+#D-+#1D%D<-G062J-<%+G%#+: , "2GD2: , %I#; T%D; G2123-%-5; 12; : GS%#; T%D; G2123-%
A": 012; : 2; , \7%

_D-%+JG-: 0-% A%5 -: 1+#D##: -GG%<; -G% ; 1%250#\$%I D-%D6-G-: 0-% A%5 -: 1+#D-+#1D%D% 6%320-%3-6G+7%D-D-%D; 50#-1-%
5 -: 1+#D-+#1D%D5; <-#%D; 5J2: -G%5 -: 1+#D-+#1D%D%A#; "62GD2: , S%#+: , "2GD2: , S%5; <-6+1-%5 -: 1+#D-+#1D%D%T21D%

_D-% ; +#% A%D-%B ; " : 1%N##2G ; : %F : 23-6G21\$%41" <- : 1%NAA+26G%232G2 ; : %G% ; %< -G2 , : %> : <%< -#23-6%2 : 212+123-GS%
06 ; , 6+5G%+ : <%G-6320-G%TD20D%D6 ; 5 ; 1-%D-% 0125+#%5 - : 1+#D-+#1D% A%+##%G1" <- : 1GS% ; %G" 00 ; 61%D-5%2 : %
1D-26%G ; 02+#%5- 5 ; 12 ; : +#%> : <%2 : 1-##-01" +##< -3-# ; 05 - : 1S%+G%T-##%+G%D-26%+0+<- 520% ; +#G7%_D2G%2 : 0#" <-G%
06 ; 32<2 : , %G" 00 ; 61% ; 6%D ; G-%G1" <- : 1G%T21D% : , ; 2 : , %5 - : 1+#D-+#1D%D+##- : , -GS%+G%T-##%+G%D6 ; 32<2 : , %
; 00 ; 61" : 212-G% ; 6%+##%G1" <- : 1G% ; %> : D+ : 0-%D-26%5 - : 1+#D-+#1D%D6 ; " , D%D-%< -3-# ; 05 - : 1% A%-G2#2- : 0\$\$%
-5 ; 12 ; : G%- , " #+12 ; : S%> : <%G-#AW5+ : + , -5 - : 1%G?2##G7

MacKean, 2011. Adapted from: *The Health Communication Unit at the Dalla Lana School of Public Health at the University of Toronto and Canadian Mental Health Association, Ontario; based on the conceptual work of Corey Keyes*

%

9: %0-: 1%\$-+6GS%2: 06-+G2: , %11-: 12; : %D+G%J--: %A; 0''G-<% : %D-%5-: 1+#D-+#1D% A%G; 02-12-G%; 0+##\$S%
: +12; : +##\$%+: <%A6; 5%+% #; J+#%D-6GO-0123-7%B''OD% A%D2G%A; 0''G%2G%D; : 0-: 16+1-<% : %D-%D6-3+#-: 0-% A%5-: 1+#%
2##: -GGS%+: <%D-%D; 66-GO; : <2: , %D; G1G%1; %G; 02-1\$7%
%

%

Q: %+% #; J+#%#-3-#S%+00; 6<2: , %1; %D-%> ; 6#<%C-+#1D%Q6, +: 2R+12; : %> CQ\%G''63-\$G%D; : <'01-<%2: %<-3-#; 0-<%
+G%T-##%+G%<-3-#; 02: , %D; '' : 162-G%D+3-%GD; T: %D+1S%<'62: , %D-26%-: 126-%2A-125-S%5; 6-%D+: %&=cl% A%
2: <232<' +%G%<-3-#; 0% : -% 6%5; 6-%5-: 1+#% 6%J-D+32; ''6+#%<2G; 6<-6G%V-, 2-6%-1%+7%(MH\7%
%

%

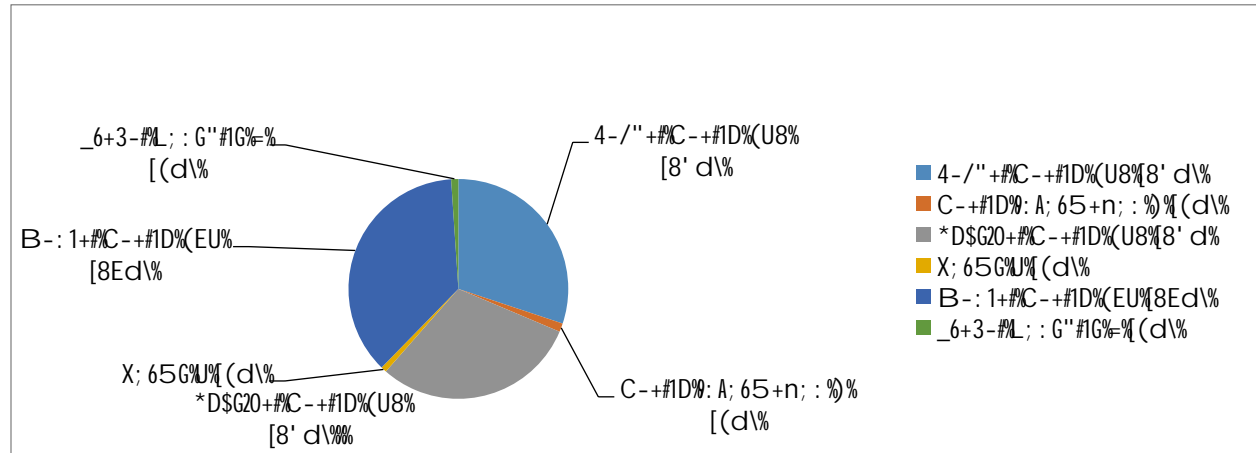
K+12; : +##\$S%2: %&' (' %D-%B-: 1+#%C-+#1D%L; 552GG2; : % A%L+: +<+%[BCLL\%D; 552GG2; : -<%+%G1'' <\$%1; %-/+52: -%
1D-% ''5J-6% A%D-; 0#-%232: , %T21D%5-: 1+#%D-+#1D%D6; J#-5G%+: <%2##: -GG

%

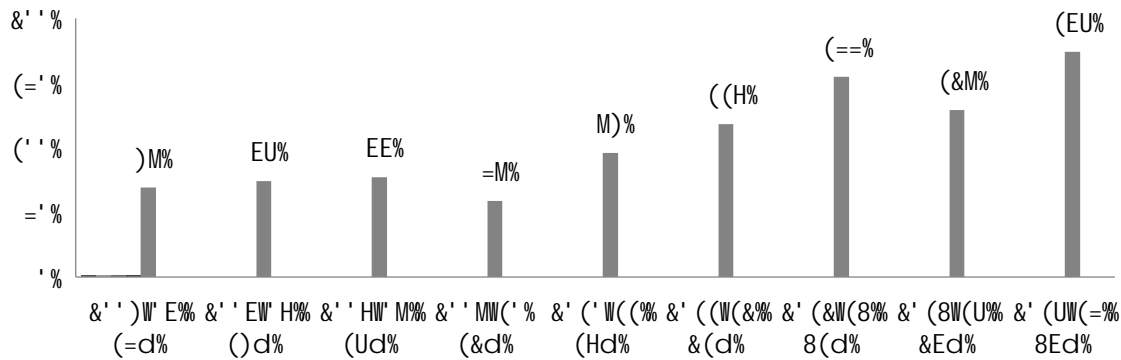
_D-%06; 32: 02+#% ; 3-6: 5-: 1S%#; : , %T21D%

I 23-: %D+1%(%2: %L+: +<2+: G%T2##%/O-62-: 0-%+5 -: 1+#2##: -GG%2: %t% 23-: %\$ -+6S%t: <%D+1%+5+]; 621\$% A%5 -: 1+#%
2##: -GG-G%- 5-6, -%<"62: , %D-%D-62; <% A%#+1-%+<; #-G0-: 0-%; %-+6#\$%t<"#1D; ; <\$%TD+1%<; -G%D+1%5 -: +: %; 6%
B; " : 1%N##2G; : %2: %d-65G% A%5 -: 1+#D-+#1D%O6; , 6+5 52: , %t: <%G-6320-%<-#23-6\$%-c"26-5 -: 1G% -0-GG+6\$%d; %
5--1%<-5+: <m%00%
%

B; " : 1%N#2G; : %<; -G% ; 1%-50#; \$%OD\$G202+: GS%J" 1%D+G%-#+12; : GD2OG%T21D%T; #; 0+#%OD\$G202+: G%TD; %D; 5-%; % 0+50"G% ; %D6; 32<-%-%2521-<% " 5J-6% A%D+#AW<+\$%D#2: 20G\7%0%
 %
 41+12G120G%0; 502#-<%A6; 5%&' (UW(=%2: <20+1-%D+1%D-%#+6, -G1%0-60-: 1+, -% A%32G21G% ; % : W0+50"G%OD\$G202+: G% T+G% ; 6%6-+15-: 1% A%5-: 1+#%D-+#1D%2GG" -G7%NG%D-% 6+0D%J-#; T%GD; TGS%8Ed% A%32G21G% ; %OD\$G202+: G%T-6-% 6-#+1-<% ; %5-: 1+#%D-+#1D%9D; 50+6-<%T21D%8' d% ; 6%OD\$G20+#%D-+#1D%+ : <%8' d% ; 6%G-/'+'+%D-+#1D%0+6-7%0%
 %



%



L; 50+62; , %<+1+% 3-6%D-%#+G1% 2: -%\$-+6GS%T-%G--%+%(&d%2: 06-+G-%2: %D-% " 5J-6% A%32G21G% ; %OD\$G202+: G% 6-#+1-<%0625+62#\$% ; %5-: 1+#%D-+#1D%2GG" -G7

9: % 6<-6% ; %D6; 32<-%25-#\$% ; #; T%'O% ; 6%G1" <-: 1G%5-: 1+#%D-+#1D%0+6-S%+<<212; : +%#D#2: 20G%6-%J-2: , % GOD-<"#-<%G%-C"26-<S% 23-: %D-%+3+2#J2#1\$% A%#; 0+#%OD\$G202+: G7%_D-%GOD-<"#2: , % A%+<<212; : +%#D#2: 20G%2G% +#G; % -0-GG+6\$% ; %5+: +, -% ; , -6%T+21%25-G% ; 6%G1" <-: 1G%G--?2: , %6-+15-: 1% ; 6% 1D-6%D-+#1D%2GG" -G7%0%
 %

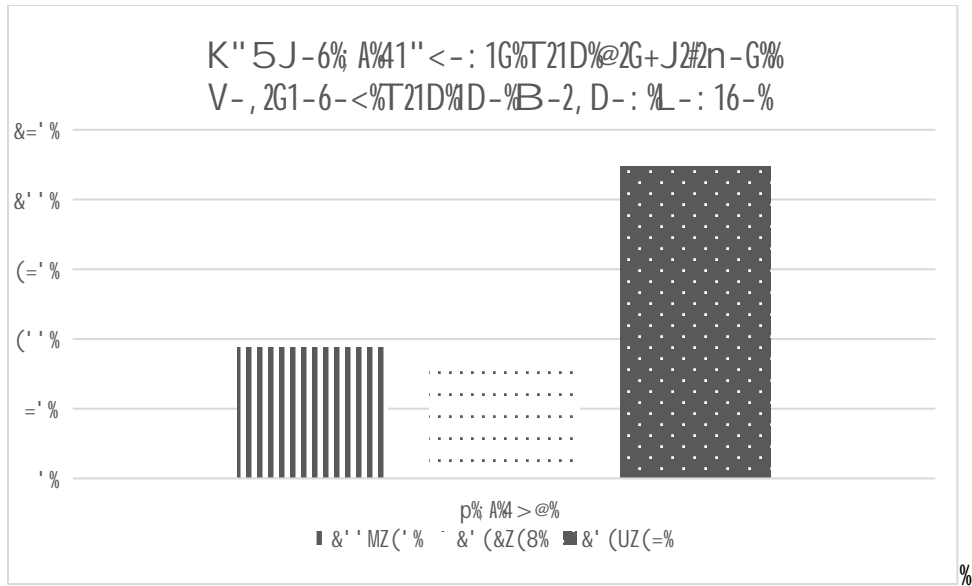
9: %<<212; : % ; %D-%5-: 1+#%D-+#1D%G-6320-G% AA-6-<%J%OD\$G202+: GS%D-%W-, 2G1-6-<%K"6G-Z. <"0+1; 6%A"##W 125-S%G-GG2; : +%#-50#; \$-1%+ #G; %D6; 32<-G%5-: 1+#%D-+#1D%G-6320-G% ; %G1" <-: 1G%2: %D-6% T: %D#2: 20G%+ : <%-0; 61G% +%G1-+<\$%2: 06-+G-%2: %D-% " 5J-6% A%G1" <-: 1G%06-G-: 12: , %T21D%5-: 1+#%D-+#1D%2GG" -G7%
 %

%

* + , -

%

%	%' (' W((%	%' ((W(& %	%' (& W(8 %	%' (8 W(U %	%' (U W(= %	%' (= W() %
0-+6#\$% N3-6+, -% [4-01WNO62A%	% M&%=d\%	% ((8%E d\%				

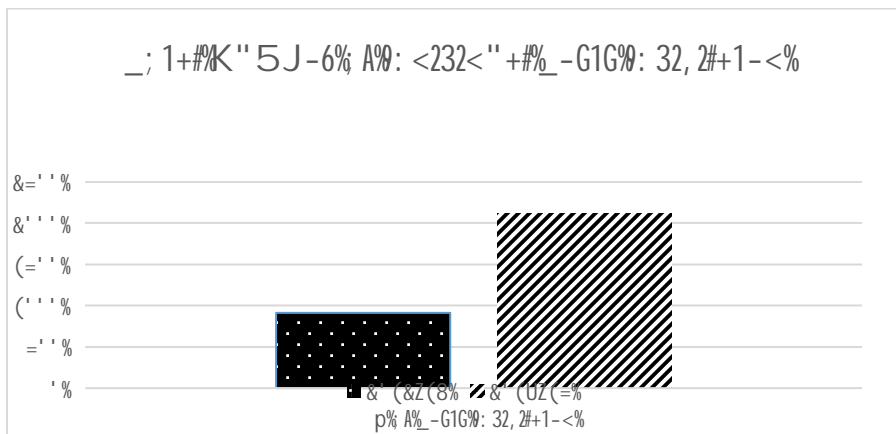


%

> 21D%D-%06; 32G2; : % A%G-6320-G%A; 6%G1" <-: 1G%T21D%; 0" 5-: 1-<%5-: 1+#D-+#1D%D; : <212; : GS%D-%D-: 16-%D+G%
G--: %G2, : 2A20+: 1%2: 06-+G-%2: %D-%-c" -G1G%A; 6%2: <232<" + #D-G1%2: 32, 2#+12; : 7%B+: \$%G1" <-: 1G%232: , %T21D%
+: /2-1\$%<2G; 6<-6GS%2: 0#" <2: , %D-G1%+: /2-1\$%+6-%": +J#-%D; %T621-%52<1-65G%+: <%-/+5G%2: %D#+GG6; ; 5G%T21D%
; 1D-6%G1" <-: 1G7%>21D%+006; 062+1-%<; 0" 5-: 1+12; : S%D-G-%G1" <-: 1G%+6-%06; 32<-<%G0+0-%T21D2: %D-%L-: 16-%
1; %T621-%D-26%-/ +5S%": <-6%G1+AA%G" O-632G2; : 7%

9: %D-%&' (&W(8%+0+<-520\$-+6S%D-% " 5J-6% A%2: <232<" + #D-G1G%2: 32, 2#+1-<%T+G%M(&%G1" <-: 1G%T21D%D-+6: 2: , %
@2G+J2#212-G% : #S%7%#1\$%&' (UW(=S%+A1-6%D-%+5+#, +5+12; : % A%<2G+J2#21\$%G-6320-GS%D-% " 5J-6% A%D-G1G%
2: 32, 2#+1-<%D+<%2G-%: %D; %S(C(H7%>D2#-%D2G%-06-G-: 1G%+: %2: 06-+G-% A%(8&dS% : %+<<212; : + #6-G; " 60-G%T-6-%
06; 32<-<%D; %+00; 55; <+1-%D2G%2: 06-+G-%2: %D-%<-5+: <A; 6%G-6320-%A; ##; T2: , %D-%+5+#, +5+12; : 7%&&

%



9: %D-26% S%LNLF44%+: <%LBCN%': <-61; ; ?%+% -32-T% A%?- \$%G; "60-G%A; 0"G2: , %
; : %D-+#1D\$%D+50"G%G-112: , GS%[*+11-6G; : %G%#2: -\$%&' ' H^%>; 6#<%C-+#1D%Q6, +: 2R+12; : S%(MMH\%+G%T-##%+%
1D; 6; ", D%-32-T% A%D+50"G%5-: 1+##D-+#1D%G16+1-, 2-G%2: %L+: +<+%+: <%2: 1-6: +12; : +##\$%T+G%': <-61+?--: 7%
_D-%A; ##; T2: , %2-\$%D; 50; : -: 1G%A; 6%G1" <-: 1%5-: 1+##D-+#1D%G16+1-, \$%<-3-#; 05-: 1%T-6-%A; 65"#+1-<%A6; 5%
1D2G%-32-TP%
(7%: G121"12; : +##A16"01"6-P%Q6, +: 2R+12; : S%*#+: : 2: , %+: <%*; #20\$%
&7%4"00; 6123-\$%0: 0#"G23-%L+50"G%L#25+1-%+: <%: 326; : 5-: 1%
87%B-: 1+##C-+#1D%NT+6-: -GG%
U7%L; 55": 21\$%L+O+021\$%#; %V-GO; : <%#; % +6#\$%9: \$\$%2; 3(0.0092Tc-s(:)-1(1)3(G)2)5(.:)-1(2092T092.<6T)5(2)T%

91%G%T2<-#%+00-01-<%D+1%D-%J6; +<-6% 6, +: 2R+12; : +#D; : 1-/1%D+G%+: %5O+01% : %D-%T-##: -GG% A%D; G-%
T21D2: %17%: G121"12; : +%616"01"6-%+: <%D; #202-G%D; : 162J"1-%; %1G%D"#1"6-%J\$%-2: A; 602: , %D-61+2: %3+#" -GS%

07 *6; 5; 12; , %: 0##G23-%D''6620''##' 5%+: <%D-<+, , ; , \$%
<7 9: G121''12; ; +#2R2: , %+: %+: 12W<2G06252: +1; 6\$%+: <%+: 12WG12, 5+%D-6GO-0123-7%

%
%

*6; 0-<''6-G%A; 6%5-<20+###-+3-%+: <%-W-: 16\$\$%3; #' : 1+6\$%+: <%2: 3; #' : 1+6\$%T21D<6+T+#
. G1+J#2GD%A1''<-: 1G% A%L; : 0-6: %L+G-%_ -+5%A; 6%G''00; 61%G1''<-: 1G%2: %<2G16-GG% 6%D62G2G%
@-3-#; 0%D6; 0-<''6-G%A; %<GO; : <%A; %a+1W62G?b%J-D+32; 6
. /+52: -%<5; 32; , %G+: 012; : G%D+1%<2G0; ''6+, -%G1''<-: 1G%A6; 5%+?2: , %5-<20+###-+3-ZT21D<6+T+#%
[27-7S##; GG% A%G0D; #+6GD20G\%

F: 23-6G21\$%D; #20\$%2: 212+123-G%GD; ''#<%J-%32-T-<%T21D%+: %<C''21\$%+: <%<23-6G21\$%#-: G%D+1%+00; '' : 1G%A; 6%
D; T%2: <232<''+#G%T21D%5-: 1+#%D-+#1D% --<G%+6-%+AA-01-<%J\$%G''OD%D; #202-G%TD2#-%-: , +, 2: , %2: %
F: 23-6G21\$%+0123212-G7%

@-3-#; 0%D; #20\$%2: %+00; 6<+: 0-%T21D%J-G1%D6+0120-%D; #202-G%+: <%O6; 1; 0; #G%2: %D#+0-%+1% 1D-6%
L+: +<2+: %' : 23-6G212-GS%A; %-G1+J#2GD%D+1DT+\$G%A; %G''00; 61%G1''<-: 1% --<G%2: %D+G-G%TD-6-%D-%
0625+6\$%2GG''-G%+6-%<#+1-<%A; %5-: 1+#%D-+#1D7%

_; %D-#O%+<<6-GG%D-2GG''-% A%G12, 5+%T21D2: %D-%D''632-T% A%D''6620''##' 5%+: <%D-<+, , ; , \$\$%<-3-#; 0%
G1+1-5-: 1G%<#+1-<%A; %J; 1D%5-: 1+#%D-+#1D%+: <%+0+<-520%+00; 55; <+12; : ^%2: 0#''<-%D-#OWG--?2: , %
+: <%F: 23-6G21\$%<G; ''60-G7%

@-3-#; 0%D6; , 6+552: , %+: <%A6+2: 2: , %D+1%G''00; 61G%A+0''#1\$%A; %D6-+1-%#-+6: 2: , %<: 326; : 5-: 1G%D+1%
-: 0; ''6+, -%G1''<-: 1G%A; %G--?%D-#O7%

[F: 23-6G21\$% A%_ ; 6; : 1; %/-0; 61% A%D-%*6; 3; G12+#N<32G; 6\$%L; 55211--% : %A1''<-: 1%B-: 1+#%C-+#1D%]

N%''00; 6123-90+50''G%0#25+1-%: <%-: 326; : 5 -: 1%G''00; 61G%G1" <-: 1%-: , +, -5 -: 1%TD20D%D+G%J--: %A; "': <%; %

_D-%L-: 16-%G% +12; ; +##\$%-0; ; : 2R-<%A; 6%1G%T; 6?%
T21D%G1"<-: 1G%TD; %D+3-%#-+6: 2; , %<2G+J2#212-G%+: <%D+G%-0-: 1#\$%-/0+: <-<%d; %2: 0#"<-%G-6320-G%A; 6%G1"<-: 1G%
T21D%+##%1\$0-G% A%<2G+J2#212-G7%_D-%B-2, D-: %L-: 16-%D6; 32<-G%+0+<-520%+00; 55; <+12; : G^%d-G1%
+00; 55; <+12; : G^%+%5-: 1; 6GD20%06; , 6+5\$%TD20D%5+10D-G%A26G1%\$-+6%G1"<-: 1G%T21D%<2G+J2#212-G%[4>@\%T21D%
G-: 2; 6%G1"<-: 1G^%D; G1G%"00; 61% 6; "OG^%D6; 32<-G%+00-GG2J#-%2: A; 65+12; : %A; 6%G1"<-: 1G%+J; "1%0; #20\$%(&' (%
[4>@\ 5+?-G%-A-66+#G%A; 6%5-: 1+#%D-+#1D%-G; "60-G%+: <%G"00; 61G^%A+02#21+1-G%+T+6-: -GG%+: <%
0; ; 6<2: +12; : % A%G-6320-G%T21D% 1D-6%G1"<-: 1%G-6320-%D6; 32<-6G% : %D+50"G^%D6-W; 62-: 1+12; : %G-GG2; : G%A; 6%
G1"<-: 1G%+6-% AA-6-<^% "16-+0D%+: <%d6+2: 2; , % : %<-5+: <%d; %A+0"#1\$%+: <% : W#2: -%d6+2: 2; , %5; <"#-G%A; 6%
A+0"#1\$7%
A+0"#1\$7%

V-G2<-: 0-%@; : G%+6-%-/0-01-<%d; %D6-+1-%+%D; 55": 21\$%+15; GOD-6-%2: %G-G2<-: 0-%^%d; %
06; 32<--%G-G2<-: 1G%T21D%+%G-0"6-%A; " : <+12; : %A; 6%1D-26%16+: G212; : %+: <% 6; T1D%2: 1; %": 23-6G21\$%#2A-%^%d; %-: G"6-%
1D+1%-G2<-: 0-%D; #202-G%+6-%"OD-#<\$%+: <%d; %G-GO; : <%d; %D; #20\$%32; #+12; : G%+: <%-5-6, -: 02-G%+G%1D-\$%+62G-%^%d; %
5+2: 1+2: % 0-: %D; 55": 20+12; : %+: <%5+: +, -%+<52: 2G16+123-%<"12-G^%d; %+01%+G%+%#-%5; <-#% A%-GO-01%A; 6%
G-#AS% 1D-6G%+: <%dD-%D; 55": 21\$7%/-G2<-: 1%NGG2G1+: 1G%+6-%A"61D-6%-c"26-<%d; %": <-6G1+: <%+: <%'G-%
6-G; "60-G%+3+2#+J#-%A; 6%1D-%G"00; 61%+: <%+GG2G1+: 0-% A%-G2<-: 1G%2: % --<7%

D+6+GG5 -: 1S% -/' + # + GG + " #1S% 6% < 2G06252: +12; : %J+G-<% : %G-/S% - : <-6S% 6%G-/'' + # % 62- : 1+12; : 7%4CNV. %
; AA-6G%O; : A2<- : 12+ # + < 320- % ; % : \$; : - % T D ; % D + G % / O - 62- : 0 - < % G - /'' + # % 32; # - : 0 - % 6% 5 2G0; : < " 01^% - A - 6G%
1; % + 006; 062+1- % O + 50" G% + : < % AAWO + 50" G% G-6320-G% + : < % " 00; 61G%G1" <- : 1G% < " 62; , % + : \$ % - # + 1 - < %
5 - < 20+ # S% - , + # % 6% G O D ; ; # % " < 202+ # % O 6; 0 - - < 2; , G % AA - 6G % & U W D ; " 6 % - # - O D ; : - % " 00; 61% T D - : % G O D ; ; # % 2 G % : %
G - G G 2 ; : ^ % - < " 0 + 1 - G % + : < % + 2G - G % + T + 6 - : - G G % + J ; " 1 % G - /'' + # % D + 6 + G G 5 - : 1S% G - /'' + # % + GG + " #1S% D ; 5 ; O D ; J2+S%
16+ : G O D ; J2+S% 2: 125+1- % O + 61: - 6% 32; # - : 0 - S% + : < % - # + 1 - < % G G " - G % O 6; 32 < - G % 3; # " : 1 - - 6% 00; 61" : 212-G% A; 6%
G1" <- : 1% 2: 3; # 3-5- : 1% + : < % 2: 212+123-G7%

D-#OG%O6; 5; 1-%5- : 1+ # % T - # - : - G G % D 6; " , D % T ; 6? G D ; O G S % O + 50" G % - 3 - : 1G S %
+ T + 6 - : - G G % O + 50 + 2; : G S % + : < % - < " 0 + 12; : + # % " 16 - + O D % O 6; , 6 + 5 5 2; , % T ; 6? G % T 21D % G1" <- : 1G S % + 0" #1S %
+ : < % G1 + A A % ; % D - # O % A ; G1-6% O ; G2123-%5- : 1+ # % D - + #1D % + : < % 3-6+ # % T - # % N J - 2; , % 2: % D - % O + 50" G % O ; 5 5 " : 21\$7%
_D-%B- : 1+ # % C - + #1D % < " 0 + 1; 6% # G ; % T ; 6? G % O # ; G - # \$ % T 21D % G1" <- : 1% 6; " O G % ; % " 00; 61% D - 26% 5 - : 1+ # %
D - + #1D % O 6; , 6 + 5 5 2; , % + : < % O - - 6W G " 00; 61% G - 6320-G7%

L " 66- : 1% - G ; " 60 - G % + 6 - % ; 1% + < - c " + 1 - % 2: % 1 - 65 G % A % 25 - % + : < % - / O - 612G - S % ; % 5 - - 1% D - % 2: 06 - + G 2; , %
0; 50# - / 21\$ % A % G1" <- : 1G Y % 5 - : 1+ # % D - + #1D % - - < G7%
> + 21% 25 - G % A ; 6% 00; 2: 15 - : 1G % T 21D % O D \$ G 202+ : G % O + : % J - # - : , 1D \$ % " O % ; % (% 5 ; : 1D % 7%
N00 - G G % ; % - 5 - 6 , - : 0 \$ % O G \$ O D 2 + 1620 % O + 6 - % B ; : 01; : \ % 6% 1D - 6% G O - O 2 + # 2G1% + 00; 2: 15 - : 1G % %
16+ : G O ; 61+12; : % J + 662 - 6G % # 2521 - < % + 00 - G G % ; % - # 2 + J # - % 6 + : G O ; 61+12; : % + : < Z ; 6% O 6; D2J2123 - % A 2 : + : 02+ # %
J + 662 - 6G % 7
K - - < % A ; 6% + 0" #1\$ % ; % - A # - 01% : % D - % 250 + 01% A % D - 26% O " # 620" # " 5 % + : < % O - < + , ; , \$ % : % G1" <- : 1% 5 - : 1+ # %
D - + #1D7%
4; 5 - % A + 0" #1\$ % 5 - 5 J - 6G % 5 + \$ % J - % ' : + T + 6 - % A % D - % - - < % ; % + 00; 5 5 ; < + 1 - % G1" <- : 1% 5 - : 1+ # % D - + #1D %
< 2G + J 2 # 212 - G S % + : < % " : A + 5 2 # 2 + 6 % T 21D % O 6 2: 020# - G % A % 2: 0# " G 2 ; : 7%
L # + 62A 20 + 12; : % A % ; # - % A % O + 6 - : 1G Z A + 5 2 # \$ % 2: % 5 + 2: 1+ 2: 2; , % G1" <- : 1G Y % 5 - : 1+ # % D - + #1D % + : < % + 00 - G G 2 ; , %
1D - G - % G " 00; 61G % 2: % 25 - G % A % O 6 2 G 2 G % 6 % O ; 50# - / % 5 - : 1+ # % D - + #1D % G 21" + 12; : G % 7%

9: 06 - + G - < % - < " 0 + 12; : % + : < % ; ; # G % A ; 6% A + 0" #1\$ % + : < % G1 + A A % ; % 2G G " - G % A % + 00 - G G % + : < % 2: 0# " G 2 ; : 7%
@ - 3 - # ; 0% + : % 2: 0# " G 2 ; : % + T + 6 - : - G G % O + 50 + 2; : % ; % 2: 32G 2 J # - % < 2G + J 2 # 212 - G 7
L ; : 12: " - % ; % T ; 6? % T 21D % D - % 41" <- : 1% F : 2; : % : % O ; G G 2 J # - % G ; # " 12; : G % ; % 6 + : G O ; 61+12; : % 2G G " - G 7
* 6 ; 32 < - % A + 0" #1\$ % + : < % G1 + A A % + 00 - G G % ; % O 6 ; A - G G 2 ; : + # % < - 3 - # ; 0 5 - : 1% 00 ; 61" : 212 - G % T D 20D % - 0 ; , : 2R - S % + : < %
+ 6 - % 2: 0# " G 23 - % A % O 6 ; G G W O " #1" 6 + # 2G G " - G % T 21D % - G O - 01% ; % 5 - : 1+ # % D - + #1D S % O + 6120" # + 6 # \$ % + G % D - \$ % + 00 # \$ % ; %
G " 00 ; 612 ; , % 2 ; - ; ; " G % + : < % 2: 1-6: +12; : + # % 41" <- : 1G7% %

_; %J-11-6%<<6-GG%D-% --<G% A%G1" <-: 1G%A; 6%5; 6-%AA; 6<+J#-%+: <%A6-C" -: 1%+00-GG%; %
OG\$OD; #; , 20+#G-6320-GS%G-0" 6-%A": <2: , Z0; 3-6+, -%A; 6%D623+1-%OG\$OD; #; , 2G1GS%+00-GG%; %OG\$OD2+162G1S%

B-: 1+#D-+#1D%+T+6-: -GG%: 212+123-G%G1623-%; %2506; 3-%61"<-: 1%5-: 1+#%T-##J-2: , %J\$%: 06-+G2: , %R: ; T#-<, -%
+: <%': <-6G1+: <2: , %A%D-%<-1-652: +: 1GS% +1"6-S%250+01S%06-3-: 12; : %+: <%5+: +, -5-: 1% A%5-: 1+#D-+#1D%
2GG"-G7%: 06-+G-<%R: ; T#-<, -%+: <%': <-6G1+: <2: , %J"2#<G%-G2#2-: 0-%+: <%0+0+021\$%: %5+2: 1+2: %T-##J-2: , 7%
9: 06-+G-<%5-: 1+#D-+#1D%+T+6-: -GG%+#G; %0#+\$G%+: %250; 61+: 1%; #-%: %1D-%<-W

N#G1" <- : 1G% /O-62- : 0-%<2AA20" #12-G%#6; 5%#25-%#; %#25-%#: %#D-26%+0+<-520%D6; , 6+5G7%

-: 0; "6+, -<% ; %- , "#+6#%D-0?% : %T21D%D-26%-G2<-: 1GS%+ : <% ; %D ; : -01%T21D%+ : <Z; 6%-A-6%G1" <-: 1G% ; %
; 1D-6%G"00; 61%-6320-G%G"OD%+G%41" <-: 1%C-+#1D%A-6320-G%+ : <%L ; " : G-#2: , %4-6320-G7%

%_D-%4QLL_%2G%+% -T%: 212+123-%+1%B_N%D+1%: 0#" <-G%G1+AA%
5-5J-6G%A6; 5%?-5%<-0+615 -: 1G%TD; %5--1%- , "#+6#%A; %<2GO"GG%G21"+12; : G%2: 3; #32: , %G1" <-: 1G%TD; G-%
J-D+32; "6% 6%T-#AJ-2: , %6-#+1-<% ; %5 -: 1+#D-+#1D%GG" -G%2G% A%D; : 0-6: % ; % 1D-6G7%L+G-G%5+\$%J-%J6; " , D1%

_D-%0; G1WG-0; : <+6\$%G1" <-: 1%-/O-62-: 0-%2: 3; #3-G%#%#-GO-01G% A#232: , %+: <%#+6: 2: , %J; 1D%2: %+: <% "1G2<-%D-%

9: 06-+G-%+3+2#J2#21\$% A% 6; "O%0; ": G-##2: , % 00; 61": 212-G%0; %-: 0; "6+, -%<-3-#; 05-: 1% A%G?2##G%2: %D-%
+6-+G% AP%

- o . 5; 12; : %- , "#+12; : Z<2G16-GG%0; #-6+: 0-%
- o *6; 06+G12: +12; : %
- o *-6A-012; : 2G5%
- o N: /2-1\$%0
- o B; ; <%2GG" -G%
- o V-#+12; : GD20%0; : 0-6: G%
%

*6; 32<-%5; 6-%T; 6?GD; 0G%+: <%G?2##G%G-52: +6G%+6; " : <%2-\$%G-#AW5+: +, -5-: 1%0; 50-1-: 02-G%0; 6%
G1" <-: 1GS%2: 0#" <2: , P%

- o NGG-6123-: -GG%G%0-+#1D\$%-#+12; : GD20%G?2##G%J; " : <+62-G\%
- o . 5; 12; : +#W-, "#+12; : %+: <%@2G16-GG%_ ; #-6+: 0-7%
- o +: %

B-: 1+#D-+#1D%G-6320-G%+6-%#D62120+#D+61% A%+%G\$G1-520%+006; +0D% ; %G" 00; 612: , %G1" <-: 1%5-: 1+#D-+#1D7%
K" 5-6; "G%G1" <2-G%D+3-%A; " : <%D+1%D-\$%D+3-%+D; G2123-250+01% : %G1" <-: 1%-1-: 12; : %X6+ : ?%G%F26?S%(ME=%
9##; 3G?\$\$%(MME^%*: 61-6S%&' ((^%_ "6: -6%g%h-66\$\$S%&' ' ' ^%> 2#G; : S%-1%+##(MME\7%D-\$%+6-%': 2c"-#\$%D#+0-<% ; %
0; : 162J" 1-% ; %+%G\$G1-520%+006; +0D% : %5 "#120#-#-3-#G7%D-\$%D6; 32<-%+%+; , -% A%G-6320-G% ; %G" 00; 61%
G1" <-: 1G%D6; " , D%5-: 1+#D-+#1D%-2AA20"#12-G%+ : <2##: -GG-GS%+ : <%D-%-0; 3-6\$%D6; 0-GGS%+G%T-##%+G%GO-02+#2R-<%
06; , 6+5G% ; %5--1%D-% --<G% A%GO-02A20%G1" <-: 1%O; O" #+12; : G7%B-: 1+#D-+#1D%G-6320-G%O6; 32<-%<26-01%
G" 00; 61% ; %A+O" #12-G%D6; " , D%D; : G" #+12; : %- , +6<2; , %GO-02A20%G1" <-: 1%O; : 0-6: G%+ : <2GG"-G%+62G2; , %A6; 5%D-%
<-5+ : <G% A%D-%+0+<-520%D6; , 6+57%B-: 1+#D-+#1D%D+6-%D6; A-GG2; : +#G%+ #G; %G-63-2: G121" 12; : +#% ; +#G%+ : <%
; JJ]-0123-G%J\$%D; : 162J" 12; , %D-26%-/O-612G-%+ : <%-/O-62-: 0-%T21D%D-%G1" <-: 1%O; O" #+12; : % ; %G16+1- , 20%
O#+ : 2; , %D6; 0-GG-G% ; O"G-<% : %#+6: 2; , %+ : <%T-##NJ-2; , 7%

N% " 5J-6% A%+01; 6G%D+3-%+ : 250+01% : %D; T%-AA-0123-#\$D+50"G%5-: 1+#D-+#1D%G-6320-G%+ : %G-63-%D-%

%

GO-02A20%OG\$OD; #; , 20+#% --<GS% : %A--WA; 6WG-6320-%J+G2G%O; G1G%+6-%G" JG2<2R-<%2: %O+61J\$%D-%B; " : 1%N##2G; : %
41" <-: 1G%F: 2; : %A; 6%D; G-%D; 3-6-<%J\$%D-%BN4F%D-+#1D%2: G" 6+: 0-%O#+: 17%_D-%": 23-6G21\$%D6; 32<-G%GO+0-%
T21D2: %D-%> -##: -GG%L-: 16-%A; 6%D-G-%O6; 32<-6G%A; %5--1%T21D%G1" <-: 1G7%

P%D-%A-/" +#%C+6+GG5-: 1%N<32G; 6%
; AA-6G%&UWD; "6%D-#-OD; : -%G"OO; 61%TD-: %GOD; ; #2G%2: %G-GG2; : \A; %D; G-%TD; %D+3-%J--: %D-%320125% A%
G-/" +#%D+6+GG5-: 1S%G-/" +#%+GG+" #1S%D; 5; OD; J2+S%6+: GOD; J2+S%2: 125+1-%O+61: -6%32; #-: 0-S%+: <%-#+1-<%
2GG"-G7%N%O--6WG"OO; 61% 6; "O%A; 6G%"6323; 6G% A% -: <-6WJ+G-<%32; #-: 0-%2G%+ #G; %A+O2#21+1-<%J\$%D-%A-/" +#%
C+6+GG5-: 1%N<32G; 67%

LC9BQC-#O#2: -%&UZE\%O6; 32: O2+#%D62G2G%#2: -%
f2<G%YC-#O%*D; : -%
B; J2#-%B-: 1+#%C-+#1D%L62G2G%_+5%
M((%G%#H((%O6; 32: O2+#%_#-D-+#1D%L+6-%#2: -\%
L62G2G%A-/1%#2: -%

_6+: GO; 61+12; : %O; G1GP 5+: \$%G1" <-: 1G%+6-%": +J#-%A; %A+00-GG%OG\$OD2+1620%G-6320-G%2: %5-: 1+#%D-+#1D%
-5-6, -: 02-G%2: %B; : O1; : \%<"-%A; %D-%D; G1%+: <%A25-%-c"26-<%A; %A6+3-#%D-6-%+: <%J+0?7%
_D-%G" JG1+: 12+#%2: O6-+G-%2: %D-%% " 5J-6% A%O; 5O#-/%5-: 1+#%D-+#1D%O+G-G%O6-G-: 1-<%A; %D-%
V-, 2G1-6-<%K"6G-Z. <"O+1; 6%+: <%D-%OD\$G2O2+: G% : %D+5O"G%D+G%O; : 162J"1-<%A; %2: O6-+G-<%T+21%
125-G%A; 6%+##%G1" <-: 1G%T2GD2: , %A; %A+00-GG%5-<20+#%G-6320-G7%
_D-%> -##: -GG%L-: 16-%2G% O-: %T--?<+\$G% : #S%#6; 5%#P8' WUP8' 7%41" <-: 1G%TD; %-/O-62-: 0-%D62G2G%
; "1G2<-%A %D-G-%D; "6G%+6-%-: O; "6+, -<%A; %G-%D62G2G%OD; : -%#2: -G%+: <%A-D-%#; O+#%D; GO21+#%G\$G1-57%
I+0?% A%+00-GG%A; %OG\$OD2+1620%G-6320-G%2: %A+0?32##-7%
I+0?% A%+J2#21\$% A%OG\$OD; #; , 2G1G%A; %5--1%-5+: <% : %D+5O"G%<"-%A; %A25-%O; : G16+2: 1G%5+ : \$%
G1" <-: 1G%< ; % ; 1%D+3-%A-D-%5-+: G%A; %O+\$%A; 6%O623+1-%OG\$OD; #; , 20+#%G-6320-G7%

%

./O#; 6-%D+61: -6GD2O% OO; 61": 212-G%T21D%#B; : O1; : WJ+G-<%OG\$OD2+162G1G%TD; %5+\$%J-%2: 1-6-G1-<%2: %
G--2: , %<<212; : +#%D+12-: 1G% : %D+5O"G%F: 23-6G21\$% A%K-T%#6": GT20?WX6-<-6201; : %D+G%G"OD%+: %
+66+: , -5-: 1\7%
./O#; 6-% OO; 61": 212-G%A; %O+61: -6%T21D% 1D-6%#20-: G-<%OG\$OD; #; , 2G1G%J+G-<%2: %B; : O1; : %TD; %5+\$%
J-%T2##2: , %A; %G--%G1" <-: 1G% : %D+5O"G7%
> ; 6?%T21D%#D-%41" <-: 1%F: 2; : %A; %-: 0; "6+, -%A-D-%2: O#"G2; : % A%+<<212; : +#%5-: 1+#%D-+#1D%O; 3-6+, -%2: %

4-0"6-%<<212; : +#G1+AA2: , %-G; "60-G%-7, 7S%+%O+61W125-%5 -: 1+#D-+#1D% "6G-17%
9: 06-+G-%": <G%+3+2#J#-%A; 6%D6; A-GG2; : +#%<-3-#; 05 -: 1%+ : <G?2#GW16+2: 2: , % 00; 61": 212-G%A; 6%
0; " : G-##; 6G%2: %GO-02+#2R-<%+6-+G% A%D+6-%-7, 7S%+12: , %<2G; 6<-6GS%QL@S%*_4@S%5+6, 2: +#2R-<%
0; 0"#+12; : GS%2: %D+6120"#+6S%0: <2, -; ; "G%G1" <-: 1G\7%
*6; 32<-%D; " : G-##; 6G%T21D%- : D+: 0-<%D#2: 20+#G"O-632G2; : % 00; 61": 212-G7%

L62G-G%G"OD%+G%+0"1-%<2G16-GG%+ : <2552: -: 1%2G?% A%G-#AWD+65%D+3-%+%G2, : 2A20+: 1%250+01% : %G1"<-: 1G%
5-: 1+#D-+#1D%+ : <%+0+<-520%G"00-GG7%D-\$%+#G; %D+3-%+ : %250+01% : % 1D-6G%+ : <%D+ : %+AA-01%D-%- : 126-%
0+50"G%D; 55" : 21\$7%L62G-G%+6-%+#G; % A1- : %D; 50#20+1-<%G21"+12; : G%D+1%6-c"26-%5"#120#-%; #-G%+ : <%
0-6GO-0123-G%+ : <%+T-##NO; ; 6<2: +1-<%6-GO; : G-7%L62G2G%5+ : +, -5- : 1%06; 1; 0; #G%+6-%D62120+#S%D-6-A; 6-S%D; %
- : +J#-%D-%D+50"G%D; 55" : 21\$%A; %6-GO; : <%-AA-0123-#\$%A; %D62G2G%G21"+12; : G%TD20D% A1- : %2: 3; #3-%+0"1-%
<2G16-GG% 6%2552: -: 1%2G?% A%G-#AWD+657%A"OD%G21"+12; : G%-c"26-%+ : %-#-3+1-<#-3-#% A%G-GO; : G-%2: % 6<-6% ; %
- : G"6-%D-%G+A-1\$% A%+##%2: 3; #3-<7%01%2G%-GG- : 12+#%D+1%+##%G1+AA%+ : <%A+0"#1\$% : <-6G1+ : <%D-26% ; #-%T21D2: %D-%

%

L; : G2<-6%-/O+: <2: , %D-%D; "6G% A% O-6+12; : % A%D-%> -##: -GG%L-: 16-%; %J-11-6%5--1%D-##; , 2G120+#%
 : --<G% A%G1"<-: 1G7%* -6D+OG%41"<-: 1%@-3-#: 05--: 1%L; " : G-##; 6%T; 6?%GOD-<"#-G%D; "#<%J-%
 G1+ , , -6-<%2: % 6<-6% ; %D6; 32<-%G; 5-%D; 3-6+ , -%2: %D-%-3-: 2: , 7%
 . /O#; 6-%D-%D; G1G%+: <%J-: -A21G% A%5-5J-6GD2O%2: %+%G1"<-: 1%+GG2G1+: 0-%D6; , 6+5%4N*\% ; % : D+: 0-%
 G1"<-: 1GY%+00-GG% ; %G-6320-G%&U%D; "6G%D-6%<+\$7%
 . : 0; "6+ , -%G1"<-: 1G% ; %5+?-%'G-% A% /2G12: , %A1-6WD; "6G%D62G2G%-6320-G%[-7, 7S%D; : -%2: -G\7%
 C+3-%G\$G1-5G%+: <%D6; 0-<"6-G%2: %D#+0-% ; %<2GG-52: +1-%125-#%+: <%+00"6+1-%2: A; 65+12; : % ; %
 G1"<-: 1G%+: <% 1D-6%5-5J-6G% A%D-%D+50"G%D; 55": 21\$%<"62: , %D6-+1%-5-6, -: 0\$%G21"+12; : G%
 7%

@-3-#; 0%+%D6; 1; 0; #%; %G"00; 61%G1"<-: 1GS%A+0"#1\$%+: <%G1+AA% ; ##; T2: , %D-%<-+1D% A%+%G1"<-: 1%J\$%
 G"202<-7%

@-3-#; 0%-AA-0123-%D; 55": 20+12; : %+: <%D; ; 6<2: +12; : %D6; 0-GG-G% ; %G"00; 61%G1"<-: 1G%T21D%G-62; "G%
 ; ; ; 2: , %5-: 1+#D-+#1D%D; : 0-6: GS%2: 0#"<2: , % 012; : G%+3+2#+J#-%A; 6%5-: 1+#D-+#1D%#-+3-%+G%T-##%+G%
 6-W-: 16\$%D6; 0-GG-G% ; %G"00; 61%16+: G212; : %J+0?% ; %+0+<-520%D6; , 6+5G7%
 %

@-3-#; 0%+: % AA202+#G1+AA%D6; 1; 0; #A; 6%16+: GO; 612: , %G1"<-: 1G%2: %5-: 1+#D-+#1D%D62G2G% ; %D; GO21+#7%
 . : D+: 0-%D-%5-: 1+#D-+#1D%D6+2: 2: , %5+<-%+3+2#+J#-%A; %/-G%2A-%G1+AA%2: 0#"<2: , %- , "#+6% ; ##; TW"O%
 +: <%aG"O-632G2; : b%A6; 5%D; " : G-##; 6G% ; %-: 0; "6+ , -%D; : 12: "2: , %D; : A2<-: 0-%2: %-/0"12: , %J; " : <+62-G%
 +: <%D+6-%2: %D-26% ; #-G7%

@-3-#; 0%+%D62G2G%-GO; : G-%-+5%D6; 1; 0; #G; %D+1% ; % : -%G1+AA%5-5J-6%2G%-GO; : G2J#-%A; 6%D62G2G%
 2: 1-63-: 12; : %+#; : -\$%+63E; GO: G%

9: %G" 00; 612: , %G1" <-: 1%G" 00-GG%+: <%T-##NUJ-2: , S%B; " : 1%N##2G; : %F: 23-6G21\$%D+G%D6; 32<-<%G1" <-: 1G%T21D%+%
: " 5J-6% A%5 -: 1+#D-+#1D%G-6320-G%+: <%D6; , 6+5G7%#C2G1; 620+##\$S% "6%G1" <-: 1G%D+3-%J-: -A21-<%A6; 5%+00-GG%
1; %+%5" #12<2G02O#2: +6\$% 6; "O% A%D-+#1DS%5 -: 1+#D-+#1D%+: <%D-+#1D%D6; 5; 12; : %D6; A-GG2; : +%G% : %D+5O" GS%+G%
T-##%+G%G1" <-: 1%2A-%O6; A-GG2; : +%G7%#412##S%G1" <-: 1G%-/O6-GG%D; : 0-6: %+J; "1%+00-GG%D; %D2, DW<-5+: <%G-6320-GS%
+00-GG2J2#21\$% A%GO-02+#2R-<%5 -: 1+#D-+#1D%G-6320-GS%+%+0?% A%?; ; T#-<, -% 6%+T+6-: -GG% A%D-%3+62-1\$% A%
G-6320-G%+3+2#J#-S%G12, 5+%+GG; 02+1-<%T21D%5 -: 1+#D-+#1D%+: <%D-#ONG--??: , S%+: <%+%+0?% A%' : <-6G1+: <2: , %
+J; "1%TD-: %; %G--?%D-#O%A; 6%+%5 -: 1+#D-+#1D%GG" -7%

_D-%#+: <G0+O-% A%D; G1W

4D+62: , %D-% 7% %T21D%#%5-5J-6G% A%D-%D+50"G% ; 55": 21\$%

L; ##+J; 6+12: , %T21D%D-%B; " : 1%N##2G; : %41" <-: 1G%F: 2; : %G%T-##%G%2: <232<" + #D#" JG%+: <%G; 02-12-G% T21D%5+: <+1-G%-#+1-<%; %5-: 1+#D-+#1D7%

12+2G2: , %T21D%A+0?32##-%D+61: -6G%+: <%5-: 1+#D-+#1D%+, -: 02-G% : %2-\$%D; 50; : -: 1G% A%D-%G16+1-, \$7% 4-0"62: , %-/1-6: +##A": <2: , %; %G"00; 61%5-: 1+#D-+#1D%2: 212+123-G7%

B; : 21; 62: , %G-GG-GG2: , %+: <%-3+##" +12: , %5-: 1+#D-+#1D%06; , 6+5G%+: <%G-6320-G7%

_D-G-%G1-0GS%+: <%D-%M-0; 61%-0; 55-: <+12; : GS%+6-%2: %+#2, : 5-: 1%T21D%D-%G\$G1-520%+006; +0DS%TD20D% 6-, +6<G%-3-6\$%5-5J-6% A% "6% ; 55": 21\$% %G1+AAS%A+0" #1\$%+: <%G1" <-: 1G% %G%D+32: , %+%3; 20-%2: %D-% 250; 61+: 1%D; : 3-6G+12; : %6; " : <%G1" <-: 1%5-: 1+#D-+#1D7%000

_D-%-0; 55-: <+12; : G%+#G; %D+##A; 6%D-%": 23-6G21\$%; %D6; 32<-S%T21D2: %+3+2#+J#-%-G; "60-GS%D-%G-6320-G% 5; G1% ---<<%A; 6% "6%G1" <-: 1GS%+: <%A; 6%G1" <-: 1G% ; %+0123-#\$%: , +, -%2: %G"00; 612: , %D-26% T: %5-: 1+## T-##: -GG7%N##% #-5-: 1G% A%D-%F: 23-6G21\$%-: 326; : 5-: 1%D+3-%+: %250+01% : %G1" <-: 1%T-##N%J-2: , S%+: <%D+3-% 1D-%D; 1-: 12+##A; %D; : 162J"1-%; %A; G1-62: , %D-+#1D\$S%2: 0#"G23-S%+: <%-G2#2-: 1%D; 55": 21\$7%

%
%
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%

N?, " : \$%4%g%L2+66; OD2S%7%&' ' 8\%

7% <"0+12; : +#%*G\$OD; #; , \$S%&8%8' \P%&HEW&MU%

%

N: G+62S%>7%+ : <%41; O?S%L7%&' (' \7%

7% : 17%7% : 326; : 7%M-G7%* " J#20%

C-+#1D%EP=' MW=&E%

%

N5-620+ : %L; ##-, -%C-+#1D%NGG; O2+12; : %&' (8\7%

C+ : ; 3-6S%B@P%

N5-620+ : %L; ##-, -%C-+#1D%NGG; O2+12; : %

%

L+ : +<2+ : %NGG; O2+12; : % A%L; ##-, -%g%F : 23-6G21\$%41" <- : 1%4-6320-G%+ : <%L+ : +<2+ : %B- : 1+##C-+#1D%NGG; O2+12; : 7%
&' (8\7% 7%e+ : 0; " 3-6S%hLP%N"1D; 67%

%

L- : 1-6%A; 6%D-%41" <\$% A%L; ##-, 2+1-%B- : 1+##C-+#1D%&' (' S%B+60D\7% [* " J#20+12; : %K; 7%

4_N%(W ' ' \7%W-162-3-<%B+\$%(MS%&' (8%6; 5%D110PZZ005D7Gc"+6-GO+0-70; 5ZG1; 6+, -ZLLBCt&' (' tN : : " +#t%
V-0; 6170<A%

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L6; R2-6S%4%G%>2##2D : , + : RS%K7%&' ' =\7%

7%L+5; G" : %L; ##-, -7%

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@; D-61\$S%47%+ : <%@; ; 62GS%B7%&' ')\%

7% <"0+12; : %+ : <%C-+#1D &U[8\%P%U&WU8%

%

.2G- : J-6, S%@7S%h ; #J-6G1-2 : % 7S%g%C" : 1%7%&' ' M\%

%h7.7%

!; "6 : +#% A% 0; ; ; 520%N : +#G2G%g%* ; #20\$%M[(\%L; : 162J"12; : \P%N6120#-%U' %%%

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X6+ : ?S%N7S%g%F26?S%h7%&' (ME=\7%

7%h ; "6 : +#% A%L; " : G-#2 : , %*G\$OD; #; , \$ &&S%&=&W&=H%

%

I +##+, D-6S%W%*7%&' (U\7%

7%D-9% : 1-6 : +12; : +##NGG; O2+12; : % A%

L; " : G-#2 : , %4-6320-GS%0 : 07%B; ; ; , 6+OD%4-62-G%K" 5J-6%Me%%

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I ; 3-6 : 5- : 1% A%L+ : +<+7%&' ')\%u%

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B2 : 2G1-6% A%* " J#20%> ; 6?G%+ : <%l ; 3-6 : 5- : 1%4-6320-G%L+ : +<+S%&' ')7%W-162-3-<%B+\$%(MS%&' (8%6; 5%

[D110PZZTTT70D+0+GO07,070+Z0"J#20+1ZD"5+ : WD"5+2 : ' \)Z0<AZD"5+ : tA+0-t-70<A%](#)

%

I ; 3-6 : 5- : 1% A%L+ : +<+7%

7%&' (U\7u%B2 : 2G1-6%-GO; : G2J#-%A; 6%41+12G120G%

L+ : +<+S%B2 : 2G1-6% A%* " J#20%> ; 6?GS%&' (U7%W-162-3-<%Q01; J-6%&=S%&' (=7%D110PZZTTT7G1+10+ : 7, 070+Z0" JZH&W
[' ' 8W/Z&' \(U' ' MZ+6120#-Z\(U' H\)W- : , 7D15%](#)

%

I ; 3-6 : 5- : 1% A%K-T%h6" : GT20?7%

7%

V-162-3-<%Q01; J-6%8' S%&' (=6%6; 5%D110GPPZZTTT7, : J70+Z' ' ==Z0<AZ&' ((ZE8EMd&' - : , #ZGD70<A%

%

9##; 3G?S%B7.7%&' (MME\7%

7%h ; "6 : +#% A%L; ##-, -%41" <- : 1%

*G\$OD; 1D-6+O\$ (&[(\S%&MWU0%

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* + , -

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> 2#G; : S%47%h7S%B+G; : S%_7> 7S%g% T2: , S%B7!7B7%(MME\7%
7%a; "6: +#% A%L; ": G-#2: , %*G\$OD; #; , \$ UUS%B ()W8&' %

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> ; 6#<%C-+#1D%Q6, +: 2R+12; : % (MMH\7%
7% <P%@; ; 62GS%B7%-1%+#7%W-162-3-<%B+\$%B' S%&' (8%#6; 5%

D110PZZTTT7-"6; 7TD; 72: 1Ztt<+1+Z+GG-1GZO<AtA2#-Z' ' (&Z(' ()U' Z.)' ()870<A%

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> ; 6#<%C-+#1D%Q6, +: 2R+12; : %[(MMH\7%
. <P%@; ; 62GS%B7%-1%#7%V-162-3-<%B+\$%B'S%&' (8%#6; 5%
[D110PZZTTTT7-'6; 7TD; 72: 1Ztt<+1+Z+GG-1GZO<AtA2#-Z' ' \(&Z\(' \(\)U' Z.\)' \(\)870<A%](#)

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> ; 6#<%C-+#1D%Q6, +: 2R+12; : %&' ' (\7% [X+01%GD--1S%K; 7%&&' \7%

V-162-3-<%L"#1"6-%B+\$%(MS%&' (8%#6; 5%[D110GPZZ+OOG7TD; 72: 1Z2: AWAGZ-: ZA+01&&' 7D15#%](#)

%
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