&2       3       343/         &5       3       343/         66       &       647/         66       &       647/         60       &       6543/         68       8       8349/         69:       6&       994)/         **(%*\$,-'.,\$, /% (%'0")"       **\$\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\		*0/ /0/, c · c	/0/ /0n n''1
\$5 3 343/ 63 3 343/ 68 8 647/ 66 8 6 67/ 69:	0.7	*% (%\$,-'.,\$,	/% (%)' 0''1
63 3 343/ 68 68 647/ 66 6 8 647/ 66) 8& 647/ 68 8 8349/ 69: 68 994)/ ;'0"1 !" #\$\$\$\$  68 994)/ \$\frac{1}{2}\$			
68			
66			
66)			
68 8 8 4349/ 69: 68 94)/ ;'0"1 !" #\$\$\\$\&\\ \$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$			
69:  ;'0"1  !" #\$\$\\$ &  *\% (\%\\$,-'\\$,			
;'0"1 !" #\$\$\\$\&\\  *\(\(\(\(\frac{1}{4}\)\), -\(\frac{1}{4}\), \(\frac{1}{4}\) \(\(\frac{1}{4}\)\)  \(\(\(\frac{1}{4}\)\), -\(\frac{1}{4}\), \(\frac{1}{4}\)  \(\(\frac{1}{4}\)\)  \(\(\frac{1}{4}\)\)  \(\(\frac{1}{4}\)\)  \(\(\frac{1}{4}\)\)  \(\frac{1}{4}\)  \			
*** (***,-',**,			
\$\circ \circ \ci	; 0"1	!"	#\$\$%\$&
\$\circ \circ \ci			
! +\$B<\$=>?@"       3       343/         C' 11\$1       A       &245/         <\$-@"+D>E%0FD>\$,       3       343/         G\$IH%E@' ' 1% (%\$J>,@% <f,>E       3       343/         L0@\$+%       &amp;       64A/         ! %() *+, *(/0(1./,2+/(3452(,522.60()+8+69(:22:69.; .60(+6(0*+/(:,:1.; +,(3.:2&lt;)</f,>		*% (%\$,-'.,\$,	<b>/% (%)'</b> 0''1
C'11\$1	<\$=>?@"	65	A248/
<\$-@"+D\E\%0FD\\$,	!+\$B<\$=>?@"	3	343/
\$\text{G\$1\text{1\text{\mathcal{N}}} \text{E}\text{\mathcal{O}}' \text{\mathcal{N}}' \text{\mathcal{N}}' \text{\mathcal{N}}' \text{\mathcal{O}}' \text{\mathcal{N}}' \text{\mathcal{N}}' \text{\mathcal{N}}' \text{\mathcal{N}}' \text{\mathcal{O}}' \text{\mathcal{N}}' \text{\mathcal{O}}' \text{\mathcal{N}}' \text{\mathcal{O}}' \text{\mathcal{N}}' \text{\mathcal{O}}' \text{\mathcal{N}}' \text{\mathcal{O}}' \text{\mathcal{N}}' \text{\mathcal{O}}' \text{\mathcal{O}}' \text{\mathcal{N}}' \text{\mathcal{O}}' \	C' 11\$1	А	&245/
\$\\ 64A \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	<\$-@''+D\E%0FD\\$,	3	343/
;'0"1 !' #\$\$%&  !'%) *+, *( /0(1. /, 2+ /(3452(, 522. 60(7+8+69(: 22: 69. ; . 60(+6(0*+/(: , : 1. ; +, (3. : 2<  M' F. 0 ! \$+E\$. 0  N. >0\$+, >0P\Q' F, >. #  2 6&4&/ L((BE"=-F, %'-"+0=\$. 0 &5 9343 / R0\%' = \$\J\) \@\%("=>1P  5 6) 4A/ L0@\$+\%-1\$", \$\% -\$E>(P\$\%	G\$1H%E@' ' 1% (N\$J>,@%KF,>E	3	343/
%() *+, *( /0(1. /, 2+ /(3452(, 522. 60(7+8+69(: 22: 69. ; . 60(+6(0*+/(: , : 1. ; +, (3. : 2<)   M' F. 0	L0@\$+%	&	64A/
M'F.0 !\$+E\$.0  N.>0\$+,>0P\Q'F,>.#  2 6&4&/  L((BE"=-F,\%'-"+0=\$.0  R0\\%' = \$\lambda J\0\e^{\lambda}(\"=>1P  5 6)4A/  L0\\@\$+\\%\-1\$",\$\\%-\$E>(P\$\\%)	; ' 0"1	!'	#\$\$%&
M'F.0 !\$+E\$.0  N.>0\$+,>0P\Q'F,>.#  2 6&4&/  L((BE"=-F,\%'-"+0=\$.0  R0\\%' = \$\lambda J\0\e^{\lambda}(\"=>1P  5 6)4A/  L0\\@\$+\\%\-1\$",\$\\%-\$E>(P\$\\%)	1 %\	50/14/0*1//· · 1 · · 1 (2 · )~	
N. >0\$+,>0P\Q' F,>. #       2       6&4&/         L((BE"=-F,\%'-"+0=\$. 0       &5       9343/         R0\\(\text{e}' = \$\mathbb{K}\) \(\text{o}(\text{\colored}\)' = \(\text{P}\)       5       6)4A/         L0\(\text{@}\$+\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	: no 1, ( . / o(1. / , 21 / o + 32(, 322. 00(1010 ) (. 22. 0). , (		1¢,E¢ 0
$L((BE'' = -F, \%' - '' + 0 = \$. 0)$ $R0\%'' = \$\%J \times 0\%('' = 31P)$ $L0@\$ + \$\% - 1\$'', \$\% - \$E \times (PS\%)$ $6$ $9343 / (BE'' = -F, \%' - '' + 0 = \$. 0)$ $5$ $6$ $94) / (BE'' = -F, \%' - '' + 0 = \$. 0)$	N		
R0%' = \$%J x0@%'' = x1P       5       6) 4A /         L0@\$+%%-1\$'', \$% - \$E>(PS%)       6       94) /			
L0@\$+ <b>%</b> %-1\$'',\$% - \$E>(P\$%			
	·		•
	• • •		

	*% (%\$, - ' . ,\$,	<0+' . #1P% R#+\$\$	R#+\$\$	<b>\</b> >,''#+\$\$	<0+' . #1P% \>,''#+\$\$
"'4%\\(\$\$1\%)"1F\$D%',%'. \%. D>0>DF"1%'0\\J\\X; <	)2	8A/	)A/	&7/	3/
V4%%(\$\$1%E1',\$%0'%-\$'-1\$%'0%UWX;<	)2	)5/	)A/	&7/	2/
E49NM(\$\$19NM' = %-''+0% (%JWX; <	)2	)5/	9)/	2/	3/
D4%%'=%e''P%0' %V\$%'%,0FD\$.0%'0%JWX;<	)A	95/	)6/	2/	3/
\$47M/(\$\$1%''(\$%J@\$. 7M%'=%. $\%$ 0@\$%J\\X;<%E''=- $F$ ,	)2	A&/	68/	)/	)/
(47M/V/\$1>\$0\$%)@\$+\$%,%'\%\\$1\$''+\%\\$.,\$\% (\%'+'-+>''0\\$\%'. D\%. ''+'-+>''0\\$\% V\\$@''0>'+\%'='. #\%0FD\\$.0,\%'0\\U\\X\\$<	)2	92/	65/	&&/	)/
#4MW/\$1>\$0\$%'1E' @' 1%'VF,\$%,%'%/\$#%++' V1\$=%'0%JWX;<	)2	3/	2/	67/	77/
@49MM/\$1>\$0\$%JWX;<%,90+P>. #%e"+D90" %+"0\$E090@\$%>#@0,% (%"11%0FD\$.0,	)2	)A/	86/	&)/	2/
>4%%\\\$1>\$0\$%\JWX; <%,%0+P>. #\@''+D%0' %=''?\$%; F+\$%0@''0%'11%; 0FD\$. 0,%'+\$%					

''4% ' FE@\$D% +##+''VV\$D%P' F+%\$ZF''1W' DP%-''+0,	*% (% +\$, - ' . ,\$, 3	a\$,	b'	N. ,F

## \*% (% /% (%) 0"1 a\$, b' N.,F+\$`\'.\_0%.'J

a\$, b' N. ,F+\$`\'0%'. ' J	*% (% +\$,-',\$, 3 3	/% <b>(%)</b> ' 0''1
a\$, b'	*% (% +\$,-'.,\$, 3 3	/% (%0°0''1
UWX; <\%\\$".  UWX; <\%\\$. 0"1\Q\\$"10@\M' F.,\\$1' +  L0@\\$+\WX; <\"D=>.>,0+"0' +,[\("EF10P[\% +\%0"(( aN\"D=>.>,0+"0' +,[\("EF10P\% +\%0"((	M' F. 0 3 3 3 3	! \$+E\$. 0

?#%(X42(.:, *(410*. (9245>/(42(429: 6+W: 0+46/(74FJ(1+1(345(640(, 460:,0(0*. (9245>9245>(F4571(02.:0(345(>44273J(640(2./>461(.II.,0+8.73J(42(640(0: V. (:63(:,0+46<((	·( , : 5/. ( <mark>34</mark> 5	6(F. 2. (, 46, . 20	5. 1(0*:0(0*.(
	*% (% +\$,-'.,\$,	a\$,[%]@>,%J'',% ''%\$'',' . %(' +% . ' 0% E' . 0''E0>. #% #+' F-	+\$,.%(+%)
UIIX; <%\\$".	3		
UNX; <%<\$.0"1%Q\$"10@%M' F.,\$1' +	3		
L0@\$+%UWX; <%'D=>. >,0+"0" +,[%("EF10P[% +%0"((	3		
aN%'D=>. >,0+"0' +,[%("EF10P% +%0"((	3		
aN%E' F. ,\$1>. #%E\$. 0\$+	3		
R%E+>,>,%E\$. 0\$+% +%e\$1-1>. \$[% +%'%e' ,->0"1% +%e\$"10@%E"+\$%E\$. 0\$+% '0%'0%UWX; <% +%aN	3		
UWX; < `aNXE'' = -F, % \$EF + > 0P	3		
c'E"1%-'1>E\$	3		

??%X42(.:, *(410*. (9245>/(42(429:6+\):0+46/(74FJ(1+1(345(640(,460:,0(0*. (9245>1+1(640(0*+6V(0*. (+6,+1.60(F:/(/.2+45/(.6459*(04(2.>420)(42(1+1(640(F:60(:63(:,0+		(1+1(640(6 1(	: //+/0: 6, . J(
	*% (% +\$,-'.,\$,	a\$,[%]@>,%J'',% ''%+\$'',' . %(' +% . ' 0% E' . 0''E0>. #% #+' F -	. U%U@\$% +\$'','.%('+% '∩%
UIIX; <%\\$".	3		
UWX; <%K\$.0"1%Q\$"10@%M' F.,\$1' +	3		
L0@\$+%JWX;<%'D=>.>,0+"0"+,[%("EF10P[% +%0"((	3		
aN%'D=>.>,0+"0'+,[%("EF10P%+%0"((	3		
aN%E' F. , \$1>. #%E\$. 0\$+	3		
R%E+>,>,%E\$. 0\$+% +\@\$1-1>. \$[% +\%'\@' , ->0''1% +\@\$''10@%E''+\$%E\$. 0\$+% ' 0%'0\U\U\; <% +\@N	3		
UWX; < `aN%E" = -F, %\$EF+>0P	3		
c' E"1%' 1Æ\$	3		

?! %X42(.:, \*(410\*. (9245>/(42(429:6+W:0+46/(-.74FJ(1+1(345(640(,460:,00\*. (9245>(-.,:5/. (345(1.70(0\*:0(40\*.2(>.4>7. ( a\$,[%e>,%J",% b'[%e>,%J",% .'0%0@\$% "%+\$",'.%('+% \*% (% +\$",' . %(' +% . ' 0% +\$,-'.,\$, . ' 0% E' . 0''E0>. #% E' . 0"E0>. #% #+' F-#+' F-UWX;<%\\$". 3 UWX;<%<\$.0"1%Q\$"10@%M'F.,\$1'+ 3 L0@\$+%JWX; <%'D=>. >,0+''0' +,[%("EF10P[% +%0"(( 3 aN%'D=>. >,0+"0" +,[%("EF10P% +%0"(( 3 aN%E' F., \$1>. #%E\$. 0\$+ 3 R%E+>,>,%E\$. 0\$+% +\@\$1-1>. \$[% +%'\@' ,->0''1% +\@\$''10@%E''+\$%E\$. 0\$+% ' 0%'0%UWX; <% +\@N 3 UWX; < `aN%E"=-F, %, \$EF+>0P 3 c'E''1%-'1>E\$

## (! \$%) \*. 2. (1+1(0\*. (+6, +1. 60(4, , 52<( \*% (% /% (%0' 0"1 +\$,-'.,\$, L. %@\$%J\\X; <%E'' = - F, 3 343/ L((BE'' = -F, %/F0%. %0\$J%a' +?%M>0P3 343/ 3 W. %'%D>((\$+\$. 0%E>0P 343/ N.,F+\$`\'.\_0\%.'J & &3343/ ; ' 0"1 &3343/ (! #%(E4F(5>/. 00+69(F:/(0\*. (+6,+1. 60(142(345< \*% (% /% (%0' 0"1 +\$,-'.,\$, d\$+P%F - ,\$00>. # 3 343/ N-,\$00>. # 3 343/ <' = \$J@"0%F - , \$00>. #3 343/ b' 0%'0%'11%F - ,\$00>. # & &3343/ &3343/ ; ' 0"1 (! ?%E4F(I2+9\*0. 6. 1(F. 2. (345(-3(0\*. /. (0\*+69/< \*% (% /% (%0' 0"1 +\$,-'.,\$, d\$+P%+>#@0\$. \$D 3 343/ T+>#@0\$. \$D 3 343/ R%>001\$%(+>#@0\$. \$D 3 343/ b' 0%'0%'11%(+>#@0\$. \$D & &3343/ ; ' 0"1 &3343/ (! ! %(M+1)(345)(2. > 420)(0\* . (+6, +1. 60)(04)(: (=@ABC)(: 1; +6+/02: 042)(1: , 5703)(42)(0: 11)(; . ; -. 2< (-1.5)(\*% (% /% (%0' 0"1 +\$,-'.,\$, 343/ a\$, 3 b' &3343/ & ; ' 0"1 &3343/

	*% (% +\$,-'.,\$,	<0+' . #1P% R#+\$\$	R#+\$\$	<b>\&gt;,''#+\$\$</b>	<0+' . #1P% \>,''#+\$\$	/'0% C.'J
"4%\$ZF"1%@"+",,,=\$. 0%,% ' 0%' 1\$+"0\$D%'0%UWX;<	))	A7/	5/	)/	)/	5/
V4%UMX; <%0''?\$, %0+''>. >. #%. % \$ZF''1%', , ''F10% +\$0\$. 0>' . % ,\$+>' F,1P	))	)7/	&2/	5/	7/	)3/
E4%UWX; <%, %D' >. #%'\#' ' D%' V% (\\$DFE''0>. #%0FD\\$. 0, %'V' F0% ,\\$ZF''1\%', ,''F10\\g\\$4\#4[\&] @''0\\E' . ,\\$. 0\\=\\$''. ,[\@' J\\0' \\0\\$(\>. \\$ \$ZF''1\\', ,''F10[\@' J\\0' \\0' \?\\ F0\\' +\% . \\$\'. ' 0@\\$+\\	))	)3/	&9/	5/	&2/	6A/
D4%UWX; <%, %D' >. #%'#' ' D%' V% (%0+P>. #%0' %+\$0\$. 0% \$ZF"1% ",,"F10%+' = %e"\$. >. #	))	)7/	6&/	7/	7/	)3/
\$4%JWX; <%,%D' >. #%'\#' ' D%' V% (%-+' O>D>. #% \$\$D\$D\%\\$+0>E\$,%D' \% O>E0>= ,% (\%\\$ZF''1\%', , ''F10	))	)3/	&9/	7/	)/	89/
(4%UNX; <%,%D' >. #%'#' ' D%' V% (%. 0\$,0>#''0>. #%. E>D\$. 0,% (% ,\$ZF''1%',,''F10	)6	)&/	&)/	3/	)/	9)/
#4%JWX; <%, %D' >. #%'\#' ' D%' V% (\%P' 1D>. #\%-\$' -1\\$\%'EE' F. 0''V1\\$\% (' +\%E' = = >00>. #\%\\$ZF''1\%', , ''F10	)6	)8/	5/	)/	)/	93/

;@\$%\$#''1%D\$(>. >0>' . % (%\$ZF''1%',,''F10	M'F.0 8	! \$+E\$. 0 2/
f @''0%0@\$%D\$(>. >0>' . % (% E' . ,\$. 0j %,%'. D\@' J %0' % V0''>. %0% (+' = %'% \$ZF''1\%''+0. \$+	)	7/
`UWX; <_,%-' 1>EP% . % \$ZF"1%',,"F10	8	2/

	*% (%	<0+' . #1P%	R#+\$\$ \>,	\>,''#+\$\$	<0+' . #1P%	∖'0%
	+\$,-'.,\$,	R#+\$\$		ν, πιψψ	<b>\&gt;,''#+\$\$</b>	C. ' J
"4% "?\$%= P%E",\$%\$+>' F,1P	)6	97/	66/	7/	)/	&)/
V4% +' 0\$E0%= P% +>0"EP	)6	95/	69/	)/	)/	5/
E4%+\$''0%=\$%J>0@%D>#. >0P%'. D%\$,-\$E0	)6	97/	62/	3/	)/	&)/
D4%. ''V1\$%=\$%0' %E' . 0>. F\$%=P%\$DFE''0>' . %J>0@' F0%e''0>. #%0' % >. 0\$+''E0%J>0@%0@\$%-\$+,' . %J@' %',,''F10\$D%=\$	)6	8A/	&5/	)/	7/	69/

	*% (% +\$,-'.,\$,	d\$+P%c>?\$1P	c>?\$1P	<' =\$J@''0% 1>?\$1P	b' 0%'0%'11% 1>?\$1P
UWX; <%\\$".	)6	69/	&)/	66/	8&/
UWX; <%<\$.0"1%Q\$"10@%M'F.,\$1'+	)6	62/	62/	&7/	62/
L0@\$+%UWX; <%'D=>.>,0+"0"+,[%("EF10P[%+%0"((	)6	8&/			