

Syllabus ! "#\$%&'()*+'

\$, -. /01, 20'34!' 56789. :'. 2; '<2(8/321, 20. :''98, 29, 7"
! "#\$%&' 1 =289. 082>'98, 29, ?'@8: 1A'B, ; 8. A'C3=/2. :871A'. 2; ''398, 06"
)D&E'F=0:82, "

#3=/7, 'G270/=903/'HI, 90=/, 7'&'%&')J?'\$. 28. :K=9L, /M/30'
F4489, ?'<NOD)'
F4489, '53=/7?'P5=/7'O?+D'03'Q?+D'
<1. 8:?' :. 28. :R/,, :081, 81. >, 7'9. '

#3=/7, '#33/; 82. 03/'HI, 90=/, 7'&'%&')J?'B. 2; 6'B, /8. 23"
F4489, ?''SQ)T#P, :, -532, ?'O&Q%'DE%'TTU"
F4489, '53=/7?'P5=/7; . 6'&- 1'03'+'- 1"
<1. 8:?' 1 1, /8. 23R=079*=03/3203*9. "

I, 90=/, '081, ?'P5=/7; . 6A''T'- 1'03'&D'- 1'
I 39. 0832?'G270/=90832. :'#, 20/, 'HG#&)DJ'

G2; , V'34'F=0:82, 'P3-897"
%#3=/7, '\$, 79/8-0832"
%B. /L82>'95, 1, "
%I, 90=/, 'P3-897'. 2; 'W, . ; 82>7"
%X778>21, 207"
%Y, 2, / :.'G2'43/1. 0832'. M3=0'05, 'X778>21, 207"
%'0=; , 20'', / (89, 7"

\$, 79/8-0832?'"
S5, 2'80'931, 7'03'798, 29, A'05, '1, ; 8. A'M305'82'807'0/. ; 80832. :A'. 2; ', 1, />82>'43/17'- :. 6'. 'L, 6'
'/:, '82'05, '>:3M. :0/. 274, /'34'8243/1. 0832*'! 30, 208. :':6'80'87'. '(80. :M/8; >, A'1, ; 8. 082>'05, '>. -'
M, 0Z, , 2'798, 208707'. 2; '232%798, 208707A'. 2; ', 25. 2982>'05, '=2; , /70. 2; 82>'34'-/, 7782>'
, 2(8/321, 20. :A'7398. :A'. 2; ', 0589. :'[=, 708327**S, ':8(, '82'. 'Z3/; :Z5, /, '(80. :877=, 7'
829/, . 782>:6'/, [=8/, '. 2'=2; , /70. 2; '34'931 -; , V'798, 208489'. 2; '0, 95289. :877=, 7**P5, '
-, /, 228. :'-/3M. :17'34'931 1 =289. 0832'M, 0Z, , 2'7-, 98. :8707A'. 2; '05, '/, 70'34'=7A'. /, '
931 -;89. 0; ; '82'3='081, 7'M6'. '58>5:6'-3:. /8\, ; '9:81. 0, '34''79, -089871'03Z. /; 7'827080=08327A'
-, /9, 8(, ; , :80, 7A'. 2; ']4. L, '2, Z7^'''

_3Z'A'9. 2'. 2'=2; , /70. 2; 82>'34'931 -; , V''877=, 7'82'798, 29, 'M, '7=99, 774=:':6'931 1 =289. 0; ; '03'. '
Z8; , /'. =; 8, 29, '^'_3Z'9. 2'Z, '/, 93>28\, 'JM. ; '798, 29, '^, (, 2'Z5, 2'80a7'M, 82>'931 1 =289. 0; ; '
M/8::8. 20:6'_'_3Z'9. 2'Z, '5, :-'305, /7'03'; 3'05, '7. 1, '^'P5, 7, '. /, 'b=70'. '4, Z'34'05, '/, :. 0; ; '
95. ::, 2>, 7A'. :':34'Z5895'5. (, '-/, 7782>'81 -;89. 08327'43/'05, 'Z, ::'M, 82>'34'3='/'7398, 06**@82; 82>'
. 27Z, /7'03'05, 7, '[=, 708327'87''M305'1 3/, '(80. :A'. 2; '1 3/, ; 84489=:0'05. 2', (, /**P587'93=/7, 'Z8::'
=7, '0/. ; 80832. :''H-/820A'/. ; 83A'48: 1 A'PNJ'. 2; '2, Z'1, ; 8. 'H829=:; 82>'M:3>7A'(:3>7A'. 2; 'PZ800, /J'
03', V-:3/, '05, '/3; , '34'798, 29, '. 2; '798, 208707'82'7398, 06A'. 2; '05, '/3; , '34'1, ; 8. '82'932(, 682>'
877=, 7**0=; , 207'Z8::', 2>. >, 'Z805'48: 1 1. L, /7A'PN'. 2; '/. ; 83'-/3; =9, /7A'b3=/2. :8707A'M:3>>, /7A'
. 2; '. 9. ; , 1897'82'3/; , /'03'=2; , /70. 2; '05, 8/'. --/3. 95, 7A'95389, 7A'. 2; '05, '93270/. 8207'Z80582'

Z5895'05, 6'05, 6'Z3/L**

#3=/7, 'FMb, 908(, 7?'

G2'0587'93=/7, A'70=; , 207'Z8::', V-:3/, '-/. 9089. :'. 2; '05, 3/, 089. :'877=, 7'. /3=2; '05, '/3:, '05, '1, ; 8. '-:.. 67'82'931 1=289. 082>'. 2'=2; , /70. 2; 82>'34'; , (, :3-1, 207'82'05, '798, 29, 7A'. 2; '05, 8/'81 - :89. 08327'82'3=/' ; . 8:6':8(, 7**S, "Z8::'0=/2'03'48: 1 1. L, /7A'/. ; 83'. 2; 'PN'-/3; =9, /7A'M/3. ; 9. 70', V, 9=08(, 7A'. 2; '305, /7'Z3/L82>'82'0587'48, ; '03'>. 82'. 2'=2; , /70. 2; 82>'34'05, '822, /'Z3/L82>7A'. 2; '/, . :%Z3/; '43/9, 7'05. 0'75. -, '05, 8/'; , 9878327'. 0', . 95'70, -'34'05, '-/39, 77**F=/'820, /, 70'87'; . /282>'53Z'03'931 1=289. 0, '798, 29, '1 3/, ', 44, 908(, :6A'M=0'. :73'53Z'03'/, 93>28\, 'JM. ; '798, 29, ^23'1. 00, /'53Z', 208982>'05, '-. 9L. >82>****

B6'7-, 98489'3Mb, 908(, '82'0587'93=/7, '87'03'-/3(8, ; '70=; , 207'Z805'. ':33L]M. 9L'70. >, ^. 0''05, '95. ::, 2>, 7A'. 2; '95389, 7'82(3:(, ; '82'05, '-/3; =90832'34'798, 29, 'b3=/2. :871 'H82'05, '1 370'. 1 -:, '7, 27, 'c 'Z5, 05, /'; 39=1, 20. /6'48: 1'3/'PZ, , 07J'43/'. '>, 2, /, . :'. =; 8, 29, **P587'781 -:, '3Mb, 908(, '/. 87, 7'1. 26'[=, 708327**d30'; . 70'. 1 32>'05, 1?'Z5. 0'. /, '05, '824:=, 29, 7'. 0'-:.. 6'82'05, '1. L82>'34'. '798, 29, A'2. 0=/, A'1, ; 89. :3/, 2(8/321, 20. :'; 39=1, 20. /6`S5. 0'. M3=0'. '(3>3/'/. ; 83'M/3. ; 9. 70' '_3Z'. /, '931 -:, V'780=. 08327'; 8708::, ; '8203'53=/%:32>A'2. // 08(, '743/'. '(87=. ::6'; /8(, 2'1, ; 8=1':8L, '48: 1A'3/'8203')ED'95. / 90, /743/'. '0Z, , 0'S5. 0'87':370A'. 2; 'Z5. 0'87'>. 82, ; A'82'05, '[=, 70'03'M305'0, ::'05, '0/=05A'. 2; '0, ::'. '>33; '703/6`'_3Z'. /, ; , 9878327'1. ; , '82'05, '9320, 70'M, 0Z, , 2'. 99=/ 96'. 2; '781 - :84682>'c '05. 0'7:8-- , /6'7:3-, '03']; = 1 M82>'; 3Z2^`Y8(, 2':8180, ; 'M/3. ; 9. 70'53=/'A'. 2; '05, ; , 1. 2; '43/'/. 082>7A'53Z'; 3'M/3. ; 9. 70, /7'; , 98; , 'Z5. 0'7=Mb, 907'Z8::'. 90=. ::6'>, 0'93(, /, ; `''

<. 95'7, 77832'34'#3 1 1=289. 082>'98, 29, 'Z8::'439=7'32'. '-. /089=: . /'05, 1, 'H2. 0=/, A'1, ; 8982, A'1. 05, 1. 0897A', 09J'. 2; ' '-. /089=: . /'1, ; 8=1 'H48: 1A'PNA'-/820A'PZ800, /A', 09'J**\$=/82>'05. 0'9:.. 77'Z, 'Z8::'; , 93270/=90'. '7-, 98489'; 39=1, 20. /6'48: 1A'-/3>/. 1A'Z, M780, A', 09'82'3/; , /'03'8::=70/. 0, '2; ', V-:3/, '05, '>, 2, /, . :'03-89**G2', . 95'7, 77832A'05, '[=, 70832'. 7L, ; 'Z8::'M, '53Z'798, 208489'8243/1. 0832'5. 7'M, , 2'e-890=/, ; a'43/'05. 0'1, ; 8. ****- , 98489'9:8-7A', V9, /-07A'3/'-/3>/. 1 7A'Z8::'M, '79/ , 2, ; ; =/82>'9:.. 77'03'8::=70/. 0, '877=, 7A'. 2; ; , 1 3270/. 0, ; , 803/8. :'; , 9878327''

I, 90=/, /'\$. 28. :K=9L, /M/30'87'. '(, 0, / 2'; 8/, 903/A'-/3; =9, /A'. 2; 'Z/80, /'34'48: 1A'. 2; '0, ;, (87832**_, '5. 7'M, , 2'. 2'82; , -, 2; , 20''-/3; =9, /'43/'1. 26'6, . /7'. 2; '87'05, '43=2; , /A'. 2; '-. /02, /'82'587'931 -. 26'W, , :P81, 'G1. >, 7**_, ". :73'7, / (, ; '708207'. 7'05, '7, 283/'-/3; =9, /'34'05, '#f#a7'P5, 'd. 0=/, '34'P582>7A'. 2; '5, . ; , ; '05, '/, 7, . /95'; , -. /01, 20'43/'X::8. 29, gX0:.. 2087'@. 90=. :!' /3; =90832'Z5, 2'80'Z. 7'05, ' . />, 70'-/3; =9, /'34'; 39=1, 20. /8, 7'82'05, '93=20/6**_, 'Z8::'b382, ; 'M6'>=, 70'7-, . L, /7'82(3:(, ; '82'05, '1. L82>'34'05, ''BT500Tm/TT3 1 Tf(')TjETQq0. 24000. 247; 1

B. /L82>'95, 1, ?"
G2'. ; ; 80832'03'Z, L:6'-/, -. / . 0832'. 2; '9: . 77'- . /0898- . 0832A'70=; , 20'7'Z8::'M, '. 7L, ; '03'
931 -.: , 0, '0Z3'Z/800, 2'. 778>21, 20'H7=M1 800, ; '05/3=>5'P=/28082J'. 2; 'Z/80, '. '482. :', V. 1'''

id3/1 . : : 6A'70=; , 207'Z8::'M, '/', [=8/, ; '03'7=M1 80'05, 8/'93=/7, ', 77. 67'03'
P=/28082*931 '43/'. ' /, (8, Z'34'0, V0=. : '781 8: . /806'. 2; ; , 0, 90832'34'-3778M: , '
-.: >8. /871 *G2'; 382>'73A'70=; , 207'Z8::'. : : 3Z'05, 8/, 77. 67'03'M, '829:=; , ; ; '
. 7'73=/9, ; '39=1, 207'82'05, 'P=/28082*931 ' /, 4, /, 29, ; . 0. M. 7, A'Z5, /, '05, 6'
Z8::'M, '=7, ; '73: , : '6'43'/05, '-=-/-37, '34'; , 0, 9082>'-. : >8. /871 *P5, '0, /17'
05. 0'. --: '6'03'05, 'h28(, /7806j7'=7, '34'05, 'P=/28082*931 '7, / (89, '. /, '
; , 79/8M, ; '32'05, 'P=/28082*931 'Z, M'780, *i'

X778>21, 20'&'H\$=, '@, M/= . /6'&U'. 0'05, '70. /0'34'9: . 77J"
%X2'. 2. :6787A'. 2; '9/808[=, '34'. '798, 29, ; '39=1, 20. /6'439=782>'32?'"
'05, '(. /8, 06'34'Z. 67'05. 0'798, 29, '87'8293/-3/. 0, ; '8203'05, '48: 1 *"
'05, ', : , 1, 207'34'05, '703/60, : : 82>'05. 0'. 44, 90A, 25. 29, '. 2; '582; , /'05, '70/, 2>05'34'05, '798, 29, '
M, 582; '05, '7=Mb, 90'1 . 00, /'''
'05, '824:=, 29, '34'05, '48: 1 a7'706: , A'95. / . 90, /7A'. 2; '79, 2, 7'. 7'05, 6'81 - . 90'05, ', 44, 908(, 2, 77'34'
05, '798, 29, *"
k3=/'- . - , /'753=: ; 'M, '23':32>, /'05. 2'&D'- . >, 7'A'; 3=M: , '%7- . 9, ; '%, V9:=; 82>'080: , '- . >, A'
, /, 4, /, 29, : '870A', 09''G0'1 =70'M, '7=M1 800, ; '05/3=>5'P=/28082'H+DI J''''

X778>21, 20')'H\$=, 'B. /95'&U'. 0'05, '70. /0'34'9: . 77J"
'0=; , 207'Z8::'M, '. 7L, ; '03'-/3; =9, '. '053=>504=:'. 2; '9/, ; 8M: , '-/3-37. : '43'/05, 8/'3Z2'798, 29, '
48: 1 '32'. '7=Mb, 90'34'05, 8/'9533782>*P5, 6'Z8::'M, '. 7L, ; '03'Z/80, '= - . '43/1 . : '0/, . 01, 20'H23'
:32>, /'05. 2'&D'- . >, 7'A'; 3=M: , '%7- . 9, ; ; , V9:=; 82>'080: , '- . >, A' /, 4, /, 29, : '870A', 09J'43/'. '48: 1 '
05. 0'05, 6'1 8>50'05, 3/, 089. : : 6'-/3-37, '03'. 'M/3. ; 9. 70, /A'829:=; 82>'7=Mb, 90'1 . 00, /A'05, 1, A'
05, 787A'798, 208489'>/3=2; Z3/L'43'/05, '703/6A'1, 053; 7'34'8: =70/. 082>'05, '703/6A', ; , 1, 207'34'
48: 1 1. L82>', 1 - : 36, ; A'798, 208489', V-, /07'84'. 26A'79, 2, 7A'95. / . 90, /7A': 39. 08327A'>/. -5897A'. 2; '
305, /'; 8; . 9089', : , 1, 207A'Z805'. 2', 6, '03'. ; ; /, 7782>'05, ; ; , 1. 2; '43'/M305'
, 20, /0. 821, 20g, 2>. >, 1, 20'(. : =, A'. 2; '798, 208489'820, >/806'''G0'1 =70'M, '7=M1 800, ; '05/3=>5'
P=/28082'H+DI J''

#: . 77'- . /0898- . 0832?'H)DI J''

@82. : '<V. 1?'S8::'M, 'M. 7, ; '32'. : : '0, /1'1 . 0, /8. : ''H)DI J''

Y/ . ; , '\$870/8M=0832'''=1 1 . /6'H- , /9, 20. >, '34'030. :J''
X778>21, 207'H)'R'+DI ', . 95J''
! . /0898- . 0832''
@82. : '<V. 1''

P30. : 'Y/ . ; , ' ! 3778M: , "

F (, / (8 , Z ? ' 05 , ' 93 = / 7 , A ' , V - , 90 . 08327A ' . 2 ; ' 3Mb , 908 (, 7 * P5 , ' 1 . L82 > ' 34 ' 798 , 29 , ' ; 39 = 1 , 20 . / 8 , 7 ? ' > 3 . : 7 ' . 2 ; ' / , . : 808 , 7 * "

I , 90 = / , ' ' ' 95 , ; = : , ' H0 , 20 . 08 (, J ? ' ' ' 95 , ; = : , ' 1 . 6 ' (. / 6 ' . 993 / ; 82 > ' 03 ' 05 , ' . (. 8 : . M8 : 806 ' 34 ' 3 = / ' > = , 70 ' 7 - , . L , / 7 * "

S , , L ' & ? ' P5 = / 7 ; . 6 ' C . 2 = . / 6 ' & & ' F Mb , 908 (, 7 ? ' = 2 ; , / 70 . 2 ; 82 > ' 05 , ' . / 9580 , 90 = / , ' 34 ' 05 , ' 93 = / 7 , ' . 2 ; ' 807 ' M . 789 ' > 3 . : ' C ' 05 , ' / , . : ' Z 3 / : ; ' 4 . 903 / 7 ' 824 : = , 2982 > ' 53 Z ' 798 , 29 , ' 87 ' 93 1 1 = 289 . 0 , ; ' 03 ' . ' Z 8 ; , / ' . = ; 8 , 29 , * P5 , ' 7 - , 90 / = 1 ' 34 ' > , 2 / , 7 * S 5 . 0 ' 87 ' . ' 2 . 0 = / . : ' 58703 / 6g Z 8 ; : 84 , ' 48 : 1 * S 56 ' 87 ' 7 - , 98 . : ' . M3 = 0 ' 05 . 0 ' > , 2 / , * ' ' - , 98489 ' 95 . : : , 2 > , 7 * "

0582L82>A', ; 803/8. :', ; 9878327'. 2; '93 1 1 =289. 0832*3/, V. 1 -; , A'82'05, '9. 7, '34'05, '2. 0=/. :'
58703/6>, 2/, ?'Z5. 0'; 3'Z, '1, . 2'M6'Z8; :84, `S5. 0'; 3'Z, '1, . 2'M6'2. 0=/, `'
@8: 1 1 . L, /?'W3M, /03'N, /; , 9958. '

A+%92. 2%"#)+. *-'O2(82'#%)2/'#+5%2*2%82'O)&/2%. 2**-' . /'#62''' 3''>). 9'7%2''#\$%2*'#6''#&)82'#62%2:'
@\$#'O6''#')1'O2'7+\$&/'3''<2'. 2O'O)&/2%. 2**T'D82. '. 2O'O)&/'7%2''#\$%2*T'U6''#')1'O2'7+\$&/'?%)'. 9'
?'7<#62'O)&/'1'#62''' . 7)2. #'5''*#T'C%' /)7''&. 2O'3+8232. #'7''&&2/'V2SO)&/). 9''')3*'#+/'+'W\$*#'
#6''#:'A'+3'''' . 2O'H\$#76'XI 2%2. 92#)Y'W\$*#'#6)%# , '3). \$2*'+\$#*)/2'C3*#2%/'3-'#+#62'*7)2. #)1)7'
%27%2''#)+. '1''''I#+. 2'C92'O)&/'?&&:'

I\$992*#2/'%2'' /). 9*1'+%. 24#O22<:'C'*6+%#%2'' /-' . /''''=\$)7<'9\$)/2'#+'E". ''/'G*). *27#*:'
[6##5*LMMOOO:#629\\$%'"/\). :7+3M2. 8\)#+. 32. #MNOPNM3", MPZM\). *27#S?\\$9S52*#\)8''&S?%\) /92#S
. \)76+&&*'
\[6##5LMM7'' . '' /\\). ?\\)+/82%*\\)# , :379\\)&&:7''M2. 9&\\)*6M*527\\)2*M\\). *27#*M\\). /24:6#3'\]\(#\)](#)

S, , L'O?'@, M/= . /6'&70''
F(, / (8, Z?'S5, /, '87'2. 0=/, ' . 26Z. 6`'
P3-89?'G7'16'M. 7, 1, 20'05, '2. 0=/. : 'Z3/:; *'
FMb, 908(, 7?'P3'; , (:, '4= /05, /'82'05, ' . 77=1 -08327'05. 0', V- :8980:6A'3/'81 - :8980:6A'75. - , '05, '
, ; 803/8. :'. 2; '05, ' . /087089'. -- /3. 95'34'05, '48: 1 1 . L, /*'
@8: 1 1 . L, /?'W3M, /03'N, /; , 9958. '
[. ' +\$%'5%28)+\$*7&''''O2' /)*7+82%2/'#6''#'#62')/2'''+1'. ''#\$%2'' . /'O)&/2%. 2**''''%2'3+%2'
7+35&)7''#2/' . /'2&\$*)82'#6'' . 'O2'3)96#6''82'#6+\$96#:'; 6)*'O22<'O2'5'+?2'''' /)112%2. #'''*527#'+1'
#6''#=\$2*#)+. : 'C'1)&3''''?+\$#''''#)92%). '#62'W\$. 9&2)''''' . ''#\$%''&6)*#++%, MO)&/&)12'1)&3''['*'+. 2'''+\$#'
#62'?\$9*). '3, '?''*232. #T'

"=>>, 70, ; '/, . ; 82>7''43/'2, V0'Z, , L*X'M:3>', 20/6'32'. '48: 1'7, /8, 7'05. 0'Z58:, '230'798, 29, '87'
32, '34'05, '1 370'. 99:. 81, ; , V. 182. 08327'34'958; /, 2'. 2; '05, ' . ; =:07'05, 6'M, 9. 1, '
[6##5LMMOOO:5?*:+%9M5+8M?&+9M5%2**%++ 3MNOPRMOQM\ \]S\\$5S5%23\)2%2S5+8S5?*\) . /\)2*S
*6+07''*2M'](#)

^C':)32*''''#)7&2'+. 'XI+1#'I7)2. 72*Y'
['6##5LMM''%#\)7&2*:'&''#\)32*:7+3MNOPNMW&MPNM+5\). \)+. M&''S+2SO\)&*+. S*+7\)''&S*7\)2. 72*SNOPNOQPNI
! ''#\\$%2'C%#\)7&2'X\[. '_%''*2'+1'1+1#'I7\)2. 72*Y''6##5*LMMOOO: . ''#\\$%2:7+3M''%#\)7&2*M' R\POOR''](#)

S, , L'U?'@, M/= . /6'E05''
P3-89?'P5, '5= 1. 2'; 81, 27832''
@8: 1 1 . L, /?'<8; , , 2'P5. : , 2M, />'
FMb, 908(, 7?'P3'7, , '53Z'0537, '2308327', V. 1 82, ; '82'05, ' . :. 70'Z, , L7'9. 2'M, ' . --:8, ; 'H3/'230J'
Z5, 2'05, '48: 1'87'. M3=0'5= 1. 2'M, 82>7'. 2; , V- :3/, 7'Z5. 0'731, 'Z3=:; ; , /8, ; ' . 7'. ']73400
798, 29, ^^G2'0587'9. 7, ' ; , (, :3- 1, 20. :'-76953:3>6''
J''<). 9'1)&3''''?+\$#'. ''#\$%2')*'. +#''''#%''96#1+%O''%/'7#)8# , - . 2)#62%). '#276.)7''&. +%2/)#+%)''&
#2%3*:'U6''#''?+\$#1)&3'''+. '6\$3". ' . ''#\$%2:' (+O'%2&)'?&2''''%2'5*, 76+&+9)7''&1). /). 9*T'U6''#'
/+2*')#''<2'#+%25+%#'#623'%2*5+. *)?&, :; +/' , *1)&3-'X@+%. '#+'@2'K++/TY'&++<''''#'#62'3+%''&
#%''W27#+%, '+1'76)&/%2. '1%+3'#62'1)%*#3+. #6*'+1'&)12'+. O''%/:; 6)*1)&3''''<*#62'=\$2*#)+. *L'XO62%2'
/+2*'+\$%'3+%''&7+35''''7+32'1%+3T'U62%2'/+'+\$%'. +#)+. *+1'9++/' . /?'/'-+'\$%'*2. *2'+1'

3" <). 9'+1'J, '! \$7&2''! 2)96?+\$%.'[#]''''*#%+, '#+&/1%+3'#62'52%*527#)82'+1''1''%3'1' 3)&, '#6''#%'&&, '-O''<2*'\$5'+. 2'/' , '#+/') *7+82%'6''#62%2'. 2''%2*#. 2)96?+\$%) *'9+). 9'#+?'2'''. \$7&2''%5&'' . #:'

! / , - . / . 0832'43/'2, V0'Z , , L?'

[500-?ggZZZ*783M5. 2/3M, /07*931g9. 0, >3/6g. /089:, 7g'](#)

W, . ; ' . 2' . /089: , '4/31'B7'W3M, /07' . /958(, ' . 2; 'M, '- / , - . / , ; '03'[= , 70832'5, /' "

U22<'ZL'J ""%76'd#6'

; +5)7L'J "" <). 9'#62''?'*#%'7#E+. 7%2#2'5''%#'

S/80, /?'''83M532'W3M, /07'

FMB, 908(, 7?'h2; , /70. 2; 82>'Z. 67'34'. --/3. 9582>' . 2; '931 1 =289. 082>' (, /6'. M70/ . 90'3/' 0, 95289. : '1 . 0, /8. :''h2; , /70. 2; 82>'05, ' ; 844, / , 29, 7'82'05, ' :81 807'. 2; '-3778M8:808, 7'34'; 844, / , 20' 1 , ; 8. *

E'' . ' , +\$#%' . *&''#2'#6). 9*')<2'D). *#2). *''#62+%)2*'#+''''92. 2%'&; a''\$ /)2. 72'). ''''32'' .). 91&\$' O'' , T''

U6''#''?+\$#7+35&24*'#'#)*)7''&+%#276.)7''&''**\$2*T'U6''#/'+' , +\$/'+'O62. '#62*2)**\$2''''2*'+7+35&24#6''#282. '2452%#*7''. G#''''9%22'+. 'O6''#''''#\$/ , '32''. *'+%'+. '#62'%) * '<' +1''''5''%#)7\$&''%' '7#)8)#, T' (+O'/'+'O2' /27) /2'O62%2#+'*52. /'62''' /+&&''*-'O62#62%12''%'+1'. \$7&2''%5+O2%''''2%2''&#)7'' . /'282. 'O62%2#+'). 82*#'+\$%&12''*8). 9*T'U6''#/'+'D). *#2). G*'#62+%)2*6''82#+'/'+' O)#6' , +\$#/'& , &12T' (+O'/'+'#62*2'5%+?&23*'8''% , ') . /)112%2. # '32/)' :D82% , '1)&3-'?++<-'5%+9%' 3'+%''%#)7&2'6''*#+' /2''&O)#6'2/\$7). 9''''&''%92''3+\$. #' +1-'#2. '82% , '7+35&24-'. 1+%3''#)+. ') . #+'''3'' . ''92''?&2*')>2'+1'\$. /2%*#'' . /''?&2'7+ . #2. #:' ; 6+*2)**\$2''''2'. +'O62%2'3+%2'/'\$. #). 9'#6'' . ' O62. '#62*7)2. 72'). '= \$2*#)+. ') *'3''#623''#)7*'+%56, *)7*:' (+O'O2'7'' . 'O2'3''<2'#62''?'*#%'7#7+. 7%2#2T' (+O'7'' . 'O2#\$\$. '#62'3+*#%'%)1)2/'#6). <). 9'). #+'*+32#6). 9''''772*')?&2#+''' . , ') . #2%2*#2/'8)2O2%M%2'' /2%:' ; +%+ . #+'W+\$%. ''&)*#1)+?6'' . 'V+?2%#*''< . +O*'#62*2'5%+?&23''?2#2%'#6'' . '3+*#:'C'O)#2'''' . /' / +7\$32. #''% , '1)&3'3''<2%-'*62*'527)'&)>2*'). *7)2. 72'' . /'5''%#)7\$&''& , '3''#623''#)7*:'162'9\$) /2*'\$*#6%+\$96'+32'+1#62' /)1)7\$&#)2*'). '#6)**527)'&)>2/'''%2'''' . /'#62' /)112%2. 72*''?2#O22. 'O+%<). 9'). '1)&3'' . /'5%#). #:'U2&&''&*+'&+<''*'+32'+#62%'24''35&2*'+1'82% , ' ?*#%'7#*7)2. 72*''3'' /2''772*')?&2:'

! / , - . / . 0832'43/'2, V0'Z , , L?'

[500-?ggZZZ*9M9'9. g/ . ; 83g\[=8/L7'](#)

1870, 2'03'32, '34'05, ' . =; 83'703/8, 7'. (. 8: . M:, '05, / , ' . 2; '93278; , /7- , 98489'Z. 67'82'Z5895'05, ' 7. 1 , '703/6'1 8>50'5. (, '03'M, '- / , 7, 20, ; ; 844, / , 20:6'82'. 'M33LA'3/'48: 1 *

S , , L'&D?'B. /95'&U05''mX778>21 , 20')'; = , ' . 0'05, '70. /0'34'9: . 77'

P3-89?P5, ' . =; 83'Z3/; ; ?' / . ; 83M'. 2; '-3; 9. 707'

! /3; =9, /?'P82. 'N, /1 . '

FMB, 908(, 7?'<V0, 2; 82>'05, ' ; 879=77832'03'829:=; , '05, ' ; 844, / , 29, 7'M, 0Z , , 2'-/81 . /8:6'(87= . : ' . 2; ' . =; 803/6'1 , ; 8. *

A+%'1+%# , ' 2''%*'#62''O''/SO). . .) . 9*7)2. 72'5%+9%' 3'e\$)%<*f'e\$''%<'6''*?'%+\$96#*7)2. 72'#+' #62'5\$?&)7'? , '%'' /)+'' . /'5+/'7''*#*:'U6''#''''2%#62'76''&&2. 92*'' . /'5+*')?)&#)2*'+1'7+33\$.)7''#). 9' *7)2. 72'6%+\$96'' . ''\$ /)+''%#62%#6'' . ''''8)*\$''&32/) \$3T'; . ''a2%3''6''*5%+/\$72/'*7)2. 72' *\$?W27#*1+%?'#6%' /)+'' . /'2&28)*+ . :162'#''&<*O)#6'\$*''?+\$#6+O') /2''''''2'92. 2%'#2'/' . /' #\$. 2/'). #+'*#+%)2*''\$)#''?&2'1+%2''76'32/) \$3:[. #2%8)2O*'' . /'2*2''%76''''2'5''%#'+1'#62'5%+72*''

). '?+#6'7''*2*'?\$##62'*527)1)7*'8''%, L''''*#+

X778>21, 207?"

Y, 2, /.: 'G243/1. 0832'. M3=0'X778>21, 207"

k3=/'-. -, /7'753=:; 'M, '23':32>, /'05. 2'&D'-. >, 7A'; 3=M:; '%7-. 9, ; A'782>:, '78; , ; ', V9:=; 82>'080:, ' -. >, A'/, 4, /, 29, ':870A'. 2; '. 26'48>=/, 7'3/'0. M:, 7'63='Z8'75'03'829:=; , ""

h7, '05, 'X! X' /, 4, /, 29, '43/1. 0""

P5, '=7, '34'7, 90832'5, . ; 82>7'87'70/32>:6'7=>>, 70, ; ""

Y/. ; 82>?'<(. :=. 0832'34'. 778>21, 207'0. L, 7'8203'. 993=20'93//, 902, 77A'3/>. 28\ . 0832'. 2; '

70/=90=/, A'. 7'Z, ::'. 7' /, 7, . /95'. 2; '9320, 20"*k3='Z8::'M, '>/ . ; , ; '32'05, '[=. :806'34'63=/'Z3/L'

. 2; '63=/' . M8:806'03'1 , , 0'05, ', , 78/ , ; ':, . /282>'0. />, 07""P5, '1. /L82>'795, 1, 'Z8::'93278; , /?"

o'53Z'Z, ::'05, '70=; , 20'87'. M:, '03'. ; ; /, 77'05, '877=, 'H)DI J"

o'9/808[=, '34'05, '798, 29, 'H8*, *A'53Z'Z, ::'; 3, 7'05, '70=; , 20'. 2. :6\, '05, '1 , ; 8. '. 2; '807'1, 77. >, A'

XM7, 29, 7?'G4'63='2, , ; '03'1 877'. '-/. 9089. : '3/0, /1'0, 70'43/'. 26':, >8081. 0, '/, . 732A'63='1 =70'
7=M1 80'. --/3-/8. 0, ; 39=1, 20. 0832'Z80582'05/, , 'M=782, 77'; . 67'34'63='/. M7, 29, *'G4'05, '
, . 732'43/'63='/. M7, 29, '87'1, ; 89. :A. 2'344898. : 'hP"#'1, ; 89. : '230, '1=70'931 -:, 0, ; 'M6'. '
, ; 3903/'Z53', V. 1 82, ; '63='Z58:, '63='Z, /, '8: g82b=/, ; 'H8*, *'230'. 40, /'05, '4. 90J**P5, '1, ; 89. :'
230, '9. 2'M, ; 3Z2:3. ; , ; '. 0?"

500-?ggZZZ*=079*=03/3203*9. gq/, >870/. /g/, 73=/9, 7g-; 4o>, 2, /. :ghP"#'1, ; 89. :9, /08489. 0, *-
; 4"

d30, '05. 0'932; 808327/. 2L, ; '. 7'1 8; '3/2, >:8>8M:, 'Z8::'230'M, '93278; , /, ; '. '(:8; 'V9=7, **

B877, ; '0, /1'Z3/L?'G4'. ':, >8081. 0, '/, . 732'-/, (, 207'63='4/3 1'7=M1 80082>'. '-8, 9, '34'0, /1'
Z3/L'M6'807'-370, ; , ; :82, A'63='1 =70'7=M1 80'. --/3-/8. 0, ; 39=1, 20. 0832'Z80582'05/, , '
M=782, 77'; . 67'34'63='/. M7, 29, *'G4'05, '/, . 732'87'1, ; 89. :A. 2'344898. : 'hP"#'1, ; 89. : '230, '1=70'
931 -:, 0, ; 'M6'. ': 3903/'Z53', V. 1 82, ; '63='Z58:, '63='Z, /, '8: g82b=/, ; 'H8*, *'230'. 40, /'05, '4. 90J**
P5, '1, ; 89. : '230, '9. 2'M, ; 3Z2:3. ; , ; '. 0?"

500-?ggZZZ*=079*=03/3203*9'

. gq/, >870/. /g/, 73=/9, 7g-; 4o>, 2, /. :ghP"#'1, ; 89. :9, /08489. 0, *-; 4"

d30, '05. 0'932; 808327/. 2L, ; '. 7'1 8; '3/2, >:8>8M:, 'Z8::'230'M, '93278; , /, ; '. '(:8; 'V9=7, **

<V0, 278327?'W, [=, 707'43/'. 2', V0, 27832'32'. 2'. 778>21, 20'1 =70'M, '0, 2; , /, ; '82'Z/8082>'82'
. ; (, 29, '34'05, ; =, ; . 0, *'G2'8270. 29, 7'34'8::2, 77A. 2'344898. : 'hP"#'1, ; 89. : '230, '1=70'M, '
931 -:, 0, ; 'M6'. '-567898. 2'H7, , 'M3(, J**F05, /'230, 7'. /, '230'. 99, -0. M: , *'<V0, 278327'. /, '
>/. 20, ; '. 0'05, ; 879/, 0832'34'05, '! /34, 773/'H. 2; '05, 'PX7JA. 2; '1. 6'M, '>/. 20, ; '43/'305, /'
78>28489. 20', 1, />, 298, 7**

X9. ; , 1 89'B87932; =90'. 2; 'X9. ; , 1 89'\$87532, 706'Z8::'230'M, '03:, /, 0, ; ***0=; , 207', 2>. >82>'82'
1 87932; =90'3/'; 87532, 70'-/. 9089, 7'32', V. 1 7A [=8\, 7A'3/'305, /'. 778>21, 207'Z8::'M, ; , . :0'
Z805'. 993/; 82>'03'05, '>=8; , :82, 7', 70. M:875, ; 'M6'05, '=28(, /7806**

! :. >8. /871?'! :. , 7, '9327=:0'05, 'h28(, /7806'#. :. 2; . /'43/'. ': 879=77832'. 2; '3=0:82, '34'05, '-3:896'
32'-: >8. /871'. 2; '. 9. ; , 1 89'820, >/806'H. :73'7, '-/39, ; 82>'7, 90832'M, :3ZJ**P5, '7. 2908327'
9. 2'M, '7, (, /, *'G4A. 40, /', (8, Z82>'05, 'h28(, /7806'-3:896A'63='/. , '=29, /0. 82'. M3=0'Z5. 0'
9327080=0, 7'-: >8. /871'A'0. :L'03'63='/'93=/7, '8270/=903/'**

X9. ; , 1 89'G20, >/806?'X9. ; , 1 89'820, >/806'87', 77, 208. : '03'05, '-=/7=80'34':. /282>'. 2; '
7953: /758-'82'. '=28(, /7806A. 2; '03', 27=/82>'05. 0'. ': , >/, '4/3 1'05, 'h28(, /7806'34'P3/3203'87'
'70/3'2>'78>2. : '34', . 95'70=; , 20a7'82; 8(8; =. :'. 9. ; , 1 89'. 958, (, 1, 20**X7'. '/, 7=:0A'05, '
h28(, /7806'0/, . 07'9. 7, 7'34'95, . 082>'. 2; '-: >8. /871'(, /6'7, /83=7:6**P5, 'h28(, /7806'34'
P3/3203a7'#3; , '34'f, 5. (83='/'32'X9. ; , 1 89'B. 00, /7'H

500-?ggZZZ*>3(, /282>93=298:*=03/3203*9. g-3:898, 7gM, 5. (, . 9*501 J'3=0:82, 7'05, 'M, 5. (83=/7'
05. 0'9327080=0, '. 9. ; , 1 89'; 87532, 706'. 2; '05, '-/39, 77, 7'43/'; ; /, 7782>'. 9. ; , 1 89'344, 29, 7**
! 30, 208. : '344, 29, 7'829=:; , A'M=0'. /, '230':81 80, ; '03?'"

G2'-, /7'. 2; '. 778>21, 207?"

o'h782>'73 1, 32, ; , :7, a7'8; , . 7'3/'Z3/; 7'Z8053=0'. --/3-/8. 0, '. 9L23Z:; , >, 1, 20**

o'''=M1 80082>'63='/'3Z2'Z3/L'82'1 3/, '05. 2'32, '93=/7, 'Z8053=0'05, '-, /1 877832'34'05, '
8270/=903/'**

o'B. L82>'=-'73=/9, 7'3/'4. 907**

o'FM0. 8282>'3/'-/3(8; 82>'=2. =053/8'\, ; '. 77870. 29, '32'. 26'. 778>21, 20**

F2'0, 707'. 2; ', V. 1 7?"
o'h782>'3/'-377, 7782>'=2. =053/8\, ; '. 8; 7""
o'l 33L82>'. 0'73 1, 32, ', :7, a7'. 27Z, /7'; =/82>'. 2', V. 1 '3/'0, 70""
o'B87/, -/, 7, 2082>'63='8; , 20806""
G2'. 9. ; , 1 89'Z3/L?"
o'@. :784682>'827080=0832. :'; 39=1, 207'3/'>/. ; , 7""
o'@. :784682>'3/' :0, /82>'. 26'; 39=1, 20. 0832'/, [=8/, ; 'M6'05, 'h28(, /7806A'829:=; 82>'HM=0'230'
:81 80, ; '03J'; 3903/a7'230, 7""
X::'7=7-, 90, ; '9. 7, 7'34'. 9. ; , 1 89'; 87532, 706'Z8::'M, '82(, 708>. 0, ; '43::3Z82>'-/39, ; =/, 7'
3=0:82, ; '82'05, '#3, ; '34'f, 5. (83='32'X9. ; , 1 89'B. 00, /7''G4'63='5. (' '[=, 708327'3/'9329, /27'
. M3=0'Z5. 0'9327080=0, 7'. --/3-/8. 0, '. 9. ; , 1 89'M, 5. (83='3/' --/3-/8. 0, '/, 7, . /95'. 2; '
980. 0832'1, 053; 7A'63='./, ', V-, 90, ; '03'7, , L'3=0'. ; ; 80832. : '8243/1. 0832'32'. 9. ; , 1 89'
820, >/806'4/3 1 '63='8270/=903/'3/'4/3 1 '305, /'827080=0832. :'/, 73=/9, 7'H7, , '
500-?ggZZZ*=03/3203*9. g. 9. ; , 1 89820, >/806g'J""
! : , 7, '9327=:0'05, 'h28(, /7806'#. : , 2; . /'43/'8243/1. 0832'. M3=0'>/. ; , ; '870/8M=0832'. 2; '
. 9. ; , 1 89'932; =90""
,