

2α±± f°1°, -±
μ²¼f«αη!«±±, μª·μ
²«±fα±. «²±¼f©-½³α·μ-!©□f³μ·η-§±.

¥¥ηfη«αμ°αμ·f©-·
μ²¥·μ·f«f.²§§□³, ¥-³1fªμ³f!«
α-»fª²§©-±ª·μ□±°η·...·μf·§-²μ

¥¥ηfη«αμ°αμ·f©-·
¥¥ηfη«αμ°αμ·f©-·
¥¥ηfη«αμ°αμ·f©-·

α, «²μ
μ·¥·fμ², η«
α, «²μfη, ¥°-ηη-²±ηf%of, ³§α·η

°fα@«·αμ
°αμ©f³αμ®·μ
¥¥ηfη«αμ°αμ·f©-·

¥¥ηfη«αμ°αμ·f©-·
η«αμ°αμ·f-¥μαμ¼fη, ¥°-ηη-²±
α, «²μ

¥¥ηfη«αμ°αμ·f©-·
¥¥ηfη«αμ°αμ·f©-·
η«αμ°αμ·f-¥μαμ¼fη, ¥°-ηη-²±

¥¥ηfη«αμ°αμ·f©-·
©f±α³-·μ
¥¥ηfη«αμ°αμ·f©-·

²«±f°f, α¹-±·
¥¥ηfη«αμ°αμ·f©-·
α·ηf·f«-ªª-±η□²º±·μ

α, «²μfη, ¥°-ηη-²±ηf%of, ³§α·η
α-α±fη.²±·□³μ·η-§±.
¥- f²§±·

α, «²μ
¥¥ηfη«αμ°αμ·f©-·
¥¥ηfη«αμ°αμ·f©-·

η«αμ°αμ·f-¥μαμ¼fη, ¥°-ηη-²±
¥¥ηfη«αμ°αμ·f©-·
¥¥ηfη«αμ°αμ·f©-·

¥¥ηfη«αμ°αμ·f©-·
α±-αf·-@-±§
η«αμ°αμ·f-¥μαμ¼fη, ¥°-ηη-²±

¥¥ηfη«αμ°αμ·f©-·
²±f®η·μ□fη«αμ°αμ·fη, ¥°-ηη-²±ηf°α±ª·μ
¥¥ηfη«αμ°αμ·f©-·

η«αμ°αμ·f-¥μαμ¼fη, ¥°-ηη-²±
¥¥ηfη«αμ°αμ·f©-·
¥¥ηfη«αμ°αμ·f©-·

¥¥ηfη«αμ°αμ·f©-·
α, «²μf, ³§α·ηf%ofη, ¥°-ηη-²±η

ALTERNATIVE CHOICE COMPUTER
ALTERNATIVE COMPUTERS
ALTERNATIVE PERSONAL SOFTWARE
ALTEXELECTRONICS INC.
AM VETERANS
AMATEUR COMPUTER GROUP OF NEW JERSEY
AMATEUR COMPUTER GROUP OF NEW JERSEY
AMBER
AMCOM
AMCOM
AMERICAN ON-LINE SYSTEMS
AMERICAN RESOURCE GROUP, INC.
AMERICAN SHAREWARE
AMERICAN SOFTWARE
AMERICAN SOFTWARE EXCHANGE
AMOCAT
AMTELECOMP
AMUG, X RAY GROUP, BLDG 2 ST, 5565 GROSSMOUNT
ANDREW M SAUCCI JR
ANDROMEDA
ANIMATION
ANKOR-GUIDE
ANNEX
ANOTHER COMPANY
ANOTHERDIM
ANU-DATA
ANYBODY'S
AOM COMPUTER SUPPLIES
AP-JP ENTERPRISES INC.
APLUS COMPUTER INC
APPLIED BUSINESS SYSTEMS, INC.
APPLIED INFO. MGT. INC. (AIM)
APPLIED MICRO SYSTEMS TECHNOLOGY
ARC EXCHANGE
ARCHMAGE
ARCTIC MICROCOMPUTER USERS GRP
ARENACBIS
ARGEN
ARGUS
ARGUS COMPUTERIZED EXCHANGE
ARK/OKPCUG
ARMED FORCES
ARNOLD COMPANY
ARRAKIS
ASCUE C/O NICK TIPON
ASK FRED
ASPENCADE
ASSOC PCUG
PD SELECT INC

«μ¥·μ·f«'fSα1-η□3μ'η-ηS'±.
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η

αμ'afοη-η2±
η-ημ2¼fη-ηη□3μ2S,η·fμ'η-ηο

3α,ηfηαμS□3μ'η-ηS'±.
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η

η«αμ'οαμ'fη-η¥μαμ¼4fη,¥οηηη-η2±
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η

3αοη-ηafηη¼η-ηⓈ
2ηfαSⓈη-η2±
2«±fοη-ηηο±
α,«2μ

¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η

οη-ηf·αμSοη
αοηfοαη-η

α,«2μfη,¥οηηη-η2±ηf%οf,3Sαη-ηη□η-η¥μαμη-ηα±
¥¥ηfη«αμ'οαμ'f©η-η
α,«2μfη,¥οηηη-η2±ηf%οf,3Sαη-ηη

¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η

ημμ¼4f«αη-ηη□η-ηοη-ηη-ημfη-η2μ
η¼Sηfοη-ηημ□η2οη-ηαμ'fη-η¥μαμη-ηα±
¥¥ηfη«αμ'οαμ'f©η-η

η-ηαμSfμ'f¥2±±
¥¥ηfη«αμ'οαμ'f©η-η
¥¥ηfη«αμ'οαμ'f©η-η

ηη2ηfα±Sημη2±η□η-η2μ□η-η3fαα½
ηη2ηfη«μ'οαμ'οαμ'fη3μ2ηηη-η±α
ηα,«¼4f3ημ¼4ηοη-η¥ημ□η-ηαη-η2±

BEST BITS AND BYTES
BHAM SPERRYBD
BIBLE BBS
BIBLEBD
BIBMUG
BIG APPLE
BIG BOYS
BIG BYTE SOFTWARE
BIG HORN BASIN COMPUTER USERS GROUP
BIG HORN BASIN COMPUTER USERS GROUP
BIG LARR'S
BIG RH HIDEAWAY
BIGFOOT'S BBS
BIGPEACH
BILL'S
BILLBOARD
BILLY'SBEST
BIRMINGHAM IBM PC USER GRP
BIS NET
BISMARCK
BIT BY BIT COMPUTER RENTALS
BIT BY BIT COMPUTER RENTALS
BIT BY BIT COMPUTER RENTALS
BIT MASONS CONSULTINGS
BLACK CREEK
BLACK KNIGHT
BLACKBAG
BLACKBOX
BLACKHAWK
BLUE PARROT INTERNATIONAL
BLUE SAIL LIBRARY
BLUE STAR MARKETING
BLUE*DOT LIBRARY
BLUEGRASS PCUG
BLUEMOON SERVICES
BLUERIDGXPRESS
BOARDWALK
BOB'S CORNERBD
BOBSBBS
BOCA BYTES
BOEING EMPLOYEES' COMPUTING SOCIETY
BOEING EMPLOYEES' COMPUTING SOCIETY
BOLINGBROOK
BONWARE
BOOKS
BOSS
BOSTON COMPUTER SOCIETY, THE
BOSTON COMPUTER SOCIETY, THE
BOSTON COMPUTER SOCIETY, THE

α±·f|2~□3,¥~¬!α·¬2±¶f°α
°αμ¼f°||α±±□~S¬·2μ
2¶~3«ff¶¬μ'¬□¶2⊙°αμ'f¬~¥μαμ¬α±
αμ·f¥~1¬α!',α□~S¬·2μ2μ
μ2¥~μ·f1¬±!¬□3μ2S,!,fμ~1¬~°
α,·«2μ
¥¥¶ff¶«αμ°αμ'f⊙¬~
¶«αμ°αμ'f¬~¥μαμ¼f¶,¥°¬¶¶¬~2±
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~
α,·«2μf¶,¥°¬¶¶¬~2±¶f%of,3Sα·¶

Sα1¬Sfαμ°¶·μ2±α□3μ'¶¬S~±·
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~
·¬°2·«¼f'f2S°α~¼
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~
α,·«2μf¶,¥°¬¶¶¬~2±¶f%of,3Sα·¶
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~
3·~μf°f¶α±¶2±fμ'□±°¶~··~μf~S¬·2μ
μα~3«f°αμ°αμS·□¬~¥μαμ¬α±
,S¬·«fS2±21α±□03f¶¬αf!«α¬μ°α±
°α·~μf¶¼S2μ¬αα□3μ'¶¬S~±·
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~
°αμ!f°22S°αμS□13f3μ2S'fS~1S~
·±'fμ~1¬¶
α,·«2μ
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~

α,·«2μf¶,¥°¬¶¶¬~2±¶f%of,3Sα·¶
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~
3·~μf«μ,□¥¥¶ff23'μα·2μ
¥¥¶ff¶«αμ°αμ'f⊙¬~
α,·«2μf¶,¥°¬¶¶¬~2±¶f%of,3Sα·¶
°αμαμ'·f⊙¬~±□13
±α±¼f°α·¶2±
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~

α'fα~¬~±¶2±□~¥μαμ¬α±
¥¥¶ff¶«αμ°αμ'f⊙¬~
¥¥¶ff¶«αμ°αμ'f⊙¬~

BOSTON COMPUTER SOCIETY, THE
BOSTON COMPUTER SOCIETY, THE
BOSTON COMPUTER SOCIETY, THE
BOSTON COMPUTER SOCIETY, THE
BOSTON COMPUTER SOCIETY, THE
BOWEN SOFTWARE
BOZRAH ST
BP MUG
BREAD/LIFE
BRENTWOOD
BRICK CITY
BRIEFCASE
BRIGHT FUTURES INC.
BRIGHTSPARK COMPUTERS
BROADCAST COMPUTER DATAB. BBS
BROADCASTERS
BROADCASTERS
BROCTON SOFTWARE
BROWN'S
BRUCES BAR AND GRILL
BUDGETBYTES
BUENA PARK
BUFFALO CREEK
BUFFALO IBM USERS GROUP INC.
BUFFALO IBM USERS GROUP INC.
BUFFALO IBM USERS GROUP INC.
BUFFALO IBM USERS GROUP INC.
BULLDOZER
BUSINESS BBS
BUSINESS SOLUTIONS
BUSINESS USERS COMPUTER BBS
BUTTONWARE INC
BYRD'S NEST
BYTE CARRIER
BYTE MAGAZINE
BYTEHEAD
BYTEMINE
C-SHIFT
C.A.C.H.E.
CAFE'CORNER
CALIFORNIA COPY CATS
CALIFORNIA FREWARE
CALIFORNIA SHAREWARE
CAM'S WILDCAT
CAMELOT
CANADA REMOTE SYSTEMS
CANADIAN SHAREWARE LIBRARY
CANON
CAPCITYGATEWAY

21/4f|2<<±□°±±±±±f''S-²μ
 ``μμ1/4f<<1/4S''±±±□³μ²S,|·f%of¥²²@
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥±±±±f|2<<±□±°f|''...μf''S-²μ
 f|''f''|,|,|f|□-¥μ±μ-±±
 μ±±Sf''±μ± S□³μ''f|S''±·
 °-@''f±±Sμ''°f|□f|³''±@''μfS-μ''|·²
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 «±μ¹f°''|«
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''

CHICAGO COMPUTER SOCIETY, THE
 CHICAGO COMPUTER SOCIETY, THE
 CHICAGO SYSLINK
 CHICAGO'S FIRST OSBORNE GROUP (CFOG)
 CHICAGO'S FIRST OSBORNE GROUP (CFOG)
 CHICAGO'S FIRST OSBORNE GROUP (CFOG)
 CHICAGO'S FIRST OSBORNE GROUP (CFOG)
 CHINCHILLA
 CHIPS CONNX
 CHRISTIAN
 CHUCK'SATTEMPT
 CHURCH CHATTERS
 CINCINNATI
 CINNCOMPCONNX
 CIRCLE SOFTWARE
 CIRCLECITY
 CIRCUIT BOARD
 CIRCUS MAXIMUS
 CITIES BEST
 CITY BYTES PC-BOARD BBS
 CITY LIGHTS
 CITY LIGHTS
 CLEARWATER
 CLIDEX SYSTEMS
 CLIPPER DATABASE USER GROUP C/O MARCY COMPUT
 CLIPPER DATABASE USERS C/O I. LELCHITSKY
 CLIPPER USERS GROUP
 CLIPPER/DATABASE USERS C/O R, LITTLEFIELD
 CLONE
 CLOUD 9
 CLUB PC BBS
 CMA SOFTWARE
 CMOS
 CO.OF WOLVES
 COBRA'S LAIR
 COFFEESHOP
 COINS & COMPUTERS
 COLELLA COMPUTER SERVICES, INC
 COLLECTORSED
 COLORADO SPRINGS USER GROUP (COSUG)
 COLORADO SPRINGS USER GROUP (COSUG)
 COLORADO SPRINGS USER GROUP (COSUG)
 COLORADO SPRINGS USER GROUP (COSUG)
 COLORADO WEST
 COLSPRSW XCHG
 COLUMBIA UG
 COLUMBIA-BALTIMORE USERS GROUP, INC. (CBUG)
 COLUMBIA-BALTIMORE USERS GROUP, INC. (CBUG)
 COLUMBIA-BALTIMORE USERS GROUP, INC. (CBUG)

f|«±μ''±μ''f-¥μ±μ1/4f|,¥°-f|f|²±
 f|«±μ''±μ''f-¥μ±μ1/4f|,¥°-f|f|²±
 f|«±μ''±μ''f-¥μ±μ1/4f|,¥°-f|f|²±
 f|«±μ''±μ''f-¥μ±μ1/4f|,¥°-f|f|²±
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 «±μ¹f°''|«
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ··Sf|f|«-©□²±''μ
 μ-|«±μSf|²''-±□³μ''f|S''±·
 ¥¥¥f|f|«±μ''±μ''f©-''
 a''²μa''f°-±±□³μ''f|S''±·
 ²«±f·«''±□f|²©·°±μ''f-¥μ±μ-±±
 a''f°²²S□±''°f|''...μf''S-²μ
 S''±±-f|f''±a''-□f|³''±@''μfS-μ''|·²
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 ¥¥¥f|f|«±μ''±μ''f©-''
 °-±±f°²μμ-|□¹-|''□³μ''f|S''±·
 f|''f|f|«-S±1/4□±''°f|''...μf''S-²μ
 ''S°±μSf¥±μ|«°±±±□³μ''f|S''±·

-µαf°, -ηη□ηη2°οαμ'f-ημαμ-α±
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 α, <²μ
 §²±αf®'fα-©μ'§□§'1-23'μfμ-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 α, <²μfη, ¥°-ηηη-²±ηf%of, ³§α.ηη
 ¥¥ηηfη«αμ'οαμ'f©η-η

 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 §²±f°α.®-ηη
 α'μσ-§η±'f'¥¼
 α|®f°-η±.μα, ¥
 α, <²μfη, ¥°-ηηη-²±ηf%of, ³§α.ηη

 ¥-η'f°²μ.²±□³μ'η-η§'±.
 .¼ηη«-ηαf¥αμ±'ηη□-ημαμ-α±
 μ-η|«f°, ®'¼
 μ, §¼fη'η'©'±-η
 α, <²μ

 ©μ-η.½f«αμ¥-η±□ηησ-ηηfμ'³'

 α, <²μfη, ¥°-ηηη-²±ηf%of, ³§α.ηη□-ημαμ-α±
 ¥¥ηηfη«αμ'οαμ'f©η-η
 §α¹-§f«'f'η-ηηηη
 ¥¥ηηfη«αμ'οαμ'f©η-η
 α'ηηfηα'f°²±.ηη
 !, μ-ηηf«ασ-η¼
 ¥¥ηηfη«αμ'οαμ'f©η-η
 ¥¥ηηfη«αμ'οαμ'f©η-η
 α, <²μfη, ¥°-ηηη-²±ηf%of, ³§α.ηη
 ¥¥ηηfη«αμ'οαμ'f©η-η

COLUMBIA-BALTIMORE USERS GROUP, INC. (CBUG)
 COLUMBUS CONNX
 COM PORT
 COMBAT ARMS
 COMMSOFT
 COMP
 COMP JUNCTION
 COMP NET
 COMP TAMERS
 COMPANY MICRO SYSTEM SOLUTIONS
 COMPAQ COMPUTER CORPORATION
 COMPCON
 COMPCONNX
 COMPCONX
 COMPHOTLINE
 COMPONLY
 COMPPRINT
 COMPSEA
 COMPSOFTWARE
 COMPU-DATA
 COMPU-TECH SOFTWARE LIBRARY
 COMPUBBS
 COMPUCLASSICS
 COMPUEASE
 COMPULINK
 COMPUNET
 COMPUSERV
 COMPUTER BIN
 COMPUTER BROKER
 COMPUTER BUG
 COMPUTER DIRECT
 COMPUTER DISKETTE CLUB, INC.
 COMPUTER ENTERPRISE
 COMPUTER FACTOR
 COMPUTER FOOD
 COMPUTER KNOWLEDGE
 COMPUTER LANGUAGE
 COMPUTER RESOURCES
 COMPUTER SHOPPER
 COMPUTER SOLUTIONS
 COMPUTER STN
 COMPUTER TIMESHARING CORP.
 COMPUTERASPECTS
 COMPUTERGEAR
 COMPUTERIFIC
 COMPUTERLAND
 COMPUTERROOM
 COMPUTERS INTERNATIONAL
 COMPUTRONICS

μ²¥·μ·f«'f¶«α©μ±□³μ·¶-§±·
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 `Sf«²°§μ¶«··□³μ·¶-§±·
 °-¶-α°f«·α·«□¶²©·°αμ·f-¶μ±
 ³··μf@μ²²³-±-¶!@□¶²©·°αμ·f-¶μ±
 α-α±f°-¶S°,μ°□³μ²S,¡·fμ·¹-°
 «±μ¼f¶«α°□¶·μ··αμ¼¶¶¼¶²³
 °α·f³αμ¶²±¶¶±°¶¶··μf·S-²μ
 ¥¥¶f¶«αμ·°αμ·f©-

¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 -°f³f³αμ-¶¶«
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-

¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 °-¶«α·f°¶-α±
 @·¹-±f@-±ª
 ¥¥¶f¶«αμ·°αμ·f©-
 α,«²μf¶,¥°-¶¶-²±¶f%of,³§α·¶

α,«²μf¶,¥°-¶¶-²±¶f%of,³§α·¶
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-

¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-
 ¥¥¶f¶«αμ·°αμ·f©-

¶«αμ·°αμ·f-¶μ±¼f¶,¥°-¶¶-²±
 ¥¥¶f¶«αμ·°αμ·f©-

DESIGNERS LIMITED
 DESLETT
 DET D/L
 DFW COM SHOP
 DFW IBM USERS
 DFW IBM USERS
 DIABLO VALLEY PC USERS GROUP
 DIABLO VALLEY PC USERS GROUP
 DIABLO VALLEY PC USERS GROUP
 DIABLO VALLEY PC USERS GROUP
 DIAMLASERSVC
 DIE DEUTSCHE SOFTWARE BIBLIOTHEK
 DIGICOM
 DIGICOMII
 DIGITAL ELECTRONIC LIBRARY
 DILHR
 DINO
 DINSDALE INDUSTRIES
 DIR ASSIST
 DISC-PAK
 DISCOUNT COMPUTER RENT
 DISK COUNT DATA
 DISK FIX
 DISK JOCKEY
 DISKETTES ETC
 DISKEY SHAREWARE
 DISKJOCKEY
 DIV.PGMSVC
 DIVERSIONS
 DIXIELAND
 DKR SOFTWARE
 DOG DISH
 DOGHOUSE
 DOOR TO SOUTH
 DOUBLE HELIX
 DOUBLE O SEVENS RUNWAY
 DOWNLOAD AMERICA
 DOWNRIVD/L
 DR.ED'S
 DRAGONS'LAIR
 DRAWING BRD
 DRDISK
 DUFFEY'S TAVERN
 DUNE HI-TECH
 DUNGEON
 DUNGEON
 DUSTIN DISCOUNT SOFTWARE
 DUTCHIE POINT USER GRP
 DWIGHT HS BBS

Dynamic Duo
Dynamite Hill
E. Brunswick
Eagle Performance Software
Eagle Users Grp
Eagles Nest
EaglesNestSO
East Bay Computer Users
East Tennessee PC Users Group
East Tennessee PC Users Group
East Tennessee PC Users Group
East Tennessee PC Users Group
Eastbay Micromate User Group
Eastcoast
Eastern
EBAYXCHG
EBBBS
ECHO SOFTWARE
ECLECTIC
ED HOPPER'S
EDUARDO MARTINS
EDUCATORS PC CLUB
ELECDREAMS
ELECSHOPPER
ELECT USA - THE SHAREWARE PLACE
ELECTRONIC B.
ELECTRONIC ZONE BBS, THE
ELECTROR
ELFRING SOFT FONTS
ELFRING SOFT FONTS
ELIMINATOR
ELITE MANAGEMENT
ELITE SHAREWARE LABS, INC.
ELKHART PC USERS GROUP
ELKHART PC USERS GROUP
ELKHART PC USERS GROUP
EMMASOFT
EMS RBBS
ENCHANTED FOREST
ENCODE ONLINE
ENIAC
ENID MS DOS USER GROUP
ENID MS DOS USER GROUP
ENVISION SOFTWARE
ERIC ISAACSON SOFTWARE
ESKIMONORTH
EUGENE PCJR CLUB
EUGENE PCJR CLUB
EUGENE PCJR CLUB
EVERGREEN

Dynamic Duo
Dynamite Hill
E. Brunswick
Eagle Performance Software
Eagle Users Grp
Eagles Nest
EaglesNestSO
East Bay Computer Users
East Tennessee PC Users Group
East Tennessee PC Users Group
East Tennessee PC Users Group
East Tennessee PC Users Group
Eastbay Micromate User Group
Eastcoast
Eastern
EBAYXCHG
EBBBS
ECHO SOFTWARE
ECLECTIC
ED HOPPER'S
EDUARDO MARTINS
EDUCATORS PC CLUB
ELECDREAMS
ELECSHOPPER
ELECT USA - THE SHAREWARE PLACE
ELECTRONIC B.
ELECTRONIC ZONE BBS, THE
ELECTROR
ELFRING SOFT FONTS
ELFRING SOFT FONTS
ELIMINATOR
ELITE MANAGEMENT
ELITE SHAREWARE LABS, INC.
ELKHART PC USERS GROUP
ELKHART PC USERS GROUP
ELKHART PC USERS GROUP
EMMASOFT
EMS RBBS
ENCHANTED FOREST
ENCODE ONLINE
ENIAC
ENID MS DOS USER GROUP
ENID MS DOS USER GROUP
ENVISION SOFTWARE
ERIC ISAACSON SOFTWARE
ESKIMONORTH
EUGENE PCJR CLUB
EUGENE PCJR CLUB
EUGENE PCJR CLUB
EVERGREEN

α, < 2μ
μ^af<αμ<!@□□μ'f'.'f'α±α¹/₄¶
¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥2¥f¶f.2!@□¶2@.°αμ'f-¥μαμ-α±
°αμ@f°-~±'μ□¶3'α@'μfS-μ'.²
¥2¥f3α,²@□±'°¶'...'μf''S-~2μ
αα¥'f3μ'¶.2±□3μ'¶-S'±.
°αμ^a, 'μ-~f¥, !@□'3!f¥2αμS
¥¥¶f¶f¶¶αμ'°αμ'f@-~
α, < 2μ
¥2¥f1/2-~°°'μ°α±
α, < 2μ
α, < 2μf¶f, ¥°-¶¶-~2±¶f%of, 3Sα.'¶
α, < 2μf¶f, ¥°-¶¶-~2±¶f%of, 3Sα.'¶
¶f<αμ'°αμ'f-~¥μαμ1/4f¶f, ¥°-¶¶-~2±
-°f'~1-~...□±'°¶'...'μf''S-~2μ
!α¹-~±f3α, '¶2±□3μ'¶-S'±.
¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥¥¶f¶f¶¶αμ'°αμ'f@-~
α, < 2μ
¶f<αμ'°αμ'f-~¥μαμ1/4f¶f, ¥°-¶¶-~2±
μ2Sf'fμ'±±'μ□3μ2α'fα±α¹/₄¶.

¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥¥¶f¶f¶¶αμ'°αμ'f@-~
@'±±'..<f@-~±.2□20±'μ
¥¥¶f¶f¶¶αμ'°αμ'f@-~
°-~!<α'f'f'f'~3□f¶fμ'
¥¥¶f¶f¶¶αμ'°αμ'f@-~
α, < 2μf¶f, ¥°-¶¶-~2±¶f%of, 3Sα.'¶
α, < 2μf¶f, ¥°-¶¶-~2±¶f%of, 3Sα.'¶
¶f<αμ'°αμ'f-~¥μαμ1/4f¶f, ¥°-¶¶-~2±
μ-~!<αμSf!2°'α1/4¶f□±'°¶'...'μf''S-~2μ
μ-~!<αμSf@-~±α□S2¶f-~¥μαμ-α±
αμ<., μf.μ-~°¥'□3μ'¶-S'±.
α°'¶f.'f°||2'°, □!2±.α!.'f3'μ¶2±
°-~!<α'fμ'f@223□3μ'¶-S'±.
¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥¥¶f¶f¶¶αμ'°αμ'f@-~
¥¥¶f¶f¶¶αμ'°αμ'f@-~

¥¥¶f¶f¶¶αμ'°αμ'f@-~
αα'fμ<2αS'¶f□'S-~2μf%of-~¥μαμ-α±

EVERGREEN CASE TOOLS
EVERYWARE SOFTWARE INC.
EVIOUS BBS
EXCHANGE
EXEC NET
EXEC PC
EXECREGION
EXTON PC COUNCIL, INC. (EPCC)
EXTON PC COUNCIL, INC. (EPCC)
EXTON PC COUNCIL, INC. (EPCC)
EXTON PC COUNCIL, INC. (EPCC)
EXTON PC COUNCIL, INC. (EPCC)
F-T-L
FAB SOFTWARE
FAIRSHARE
FALK DATA SYSTEMS
FALSOFT INC.
FAMILY SOFTWARE
FAOUG
FARGO IBM-PC USERS GROUP
FARGO IBM-PC USERS GROUP
FARMINGTONVAL
FATHERBD
FBN SOFTWARE
FCUG C/O ALAN ABRAHAMSON
FEMA
FF & P ENTERPRISES
FILE QUEST
FILECAB
FINTO SOFTWARE
FIRE DEPT
FIRE SERVICE SOFTWARE
FIRE WEED
FIRST BANK SHAREWARE, POB 19527
FIRST CHOICE SOFTWARE ETC.
FIRST FOG SV COMPUTER CLUB
FIRST ROCHESTER OSBORNE GROUP (FROG)
FIRST ROCHESTER OSBORNE GROUP (FROG)
FIRST ROCHESTER OSBORNE GROUP (FROG)
FIRST ROCHESTER OSBORNE GROUP (FROG)
FIRSTCHOICE SOFTWARE ETC.
FLAGSHIP
FLAME THROWER
FLEET STREET
FLIPFLOP
FLORIDA PC LIBRARY
FOARDS
FOG INT'L COMPUTER USERS GROUP
FOLIO SHAREWARE

μ-!®f°α!±α°αμ□³μ"Γ-§"±·
 ¶«αμ"°αμ" f-~μαμ¼/f¶,¥°-¶¶Γ-²±
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¥¥¶f¶«αμ"°αμ" f©-~
 ±"~f±"§μ²°□²°±"μf%°f²³"μ'
 α,·«²μ
 ¥¥¶f¶«αμ"°αμ" f©-~
 !«αμ"°αμ" f·"±±α±·□±"°¶"··"μf"§-²μ
 ¥¥¶f¶«αμ"°αμ" f©-~
 α,·«²μ
 ¥¥¶f¶«αμ"°αμ" f©-~
 α,·«²μf¶,¥°-¶¶Γ-²±¶f%°f,³§α·"¶
 ²«±f°²²§□³μ²§,!,fμ"¹-°
 «-§" f"¶!«□³μ"Γ-§"±·
 μ²¥·μ·f«,§α@□~μαμ-α±
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¥¥¶f¶«αμ"°αμ" f©-~
 ~,!~±fμ'f"μ"-©
 ¥¥¶f¶«αμ"°αμ" f©-~
 -¶°α- fαμ¶ α±α-μα¼
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¥¥¶f¶«αμ"°αμ" f©-~
 α,·«²μ
 ³·" f³·μ@-±¶□§-μ"!·²μ
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¶«αμ"°αμ" f-~μαμ¼/f¶,¥°-¶¶Γ-²±
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¥¥¶f¶«αμ"°αμ" f©-~

 ¥"±f«α°²!®
 ¥¥¶f¶«αμ"°αμ" f©-~
 α,·«²μ
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¥¥¶f¶«αμ"°αμ" f©-~
 ¥¥¶f¶«αμ"°αμ" f©-~

 ¥¥¶f¶«αμ"°αμ" f©-~
 .²°f°α±"μ□~μαμ-α±
 α!®f¶·α«□±"°¶"··"μf"§-²μ
 -°f¶³α«±□¹-!·f³μ"Γ-§"±·
 ¶«~"¼f³~α·±"μ¶¶²°·°αμ" f-~μαμ-α±
 ~,¼f~,»±¥,μª□±"°¶"··"μf"§-²μ
 α±f°-!«α"□³μ"Γ-§"±·
 ¶«αμ"°αμ" f-~μαμ¼/f¶,¥°-¶¶Γ-²±
 ¥¥¶f¶«αμ"°αμ" f©-~
 -°f«α¶¶

GOLD COAST COMPUTING SERVICES
 GOLD COAST CUE C/O CLIFF RODRIGUE
 GOLDEN SPRINGS
 GOLDENDANE
 GOLDENGATE
 GOSPEL ELECTRONICS
 GRAEME MCRAE
 GRAFTEDBRANCH
 GRAND RAPIDS USERS GROUP
 GRAPHICSCONN
 GRAY DESIGN ASSOCIATES
 GRAY SEAS
 GRAYSON RESOURCE CENTER
 GREATER RHODE ISLAND IBM SATELLITE GROUP
 GREATER RHODE ISLAND IBM SATELLITE GROUP
 GREATER SOUTH BAY PC USER'S GROUP
 GREATERBOISE
 GREENWOOD CONN
 GREIF-ASSOCIATES INC
 GRIMACE
 GROUP MEDICAL BBS
 GS XPRSS
 GTWHITENORTH
 GTX
 GULF DATA INC.
 GWINNETT HOSP
 HACKER CENTRAL
 HACKS
 HAM RADIO
 HAM SHACK
 HAMMER HOUSE OF SHAREWARE
 HAMMOCK ENTIRE COMPUTER SUP.
 HANDICAP NEWS
 HANS SALVISBERG FROESCHMATTSTR
 HAP'SHOUSE
 HAPPYHOUR
 HARBOR
 HARBORMASTER
 HARMONY COMPUTERS
 HARRED ONLINE
 HARRISBURG PC USER GROUP
 HARRISBURG PC USER GROUP
 HAWKEYE PC USERS GROUP
 HAWKEYE PC USERS GROUP
 HAWKEYE PC USERS GROUP
 HAWKEYE PC USERS GROUP
 HCC
 HCSI
 HDM IV

2:f~aa~2□12±¶,~.±.
μ20±fα'f°α@~©~'§□3μ~¶~S~±.
¶~'1~f~μ20±□¶2©.°αμ~f~¶~μ~αμ~α±
~°f!α°3¶~□!~α~μ□f3μ2αμ°
¥¥¶f¶f¶αμ~°αμ~f©~
¥¥¶f¶f¶αμ~°αμ~f©~
¥¥¶f¶f¶αμ~°αμ~f©~
¥¥¶f¶f¶αμ~°αμ~f©~
¥¥¶f¶f¶αμ~°αμ~f©~
2±±f<'f°~¶,μ±□3μ~¶~S~±.
¥¥¶f¶f¶αμ~°αμ~f©~
¥¥¶f¶f¶αμ~°αμ~f©~
¶!2..f31/4α..
α,~α2μ

α,~α2μf¶,¥°~¶¶~2±¶f%of,3§α..¶□~¶~μ~αμ~α±
α,~α2μ
¥¥¶f¶f¶αμ~°αμ~f©~
α,~α2μf¶,¥°~¶¶~2±¶f%of,3§α..¶□~¶~μ~αμ~α±
~°f.~α2°3¶2±
α,~α2μ
¥¥¶f¶f¶αμ~°αμ~f©~
α,~α2μ
¥¥¶f¶f¶αμ~°αμ~f©~
2±±f!2,3~μ□±~°¶~'..μf~S~.2μ
§~¥2μ~α<f!α~°□3μ~¶~S~±.
μ21/4f~±±~'..□¶2©.°αμ~f~¶~μ~αμ~α±
α,~α2μ
2±±f.22@~μ
¶αμ~°αμ~f~¶~μ~αμ~1/4f¶,¥°~¶¶~2±
¥¥¶f¶f¶αμ~°αμ~f©~
.2±1/4f¶¶~μ~
¥¥¶f¶f¶αμ~°αμ~f©~
¶αμ~°αμ~f~¶~μ~αμ~1/4f¶,¥°~¶¶~2±
~'~1/2α~.f¶.μ2<°□1~¶'..μf~S~.2μ
<α±¶f~¶~α!~α°□±~°¶~'..μf~S~.2μ
@αμ~f¶α±S~'~□°~¶¶~□3μ~¶~S~±.
°~¶~α~'f¶.2!@□¶2©.°αμ~f~¶~μ~αμ~α±
¥¥¶f¶f¶αμ~°αμ~f©~

~°f¶,°°~μ¶
3α.μ~¶!@f°¥α¥α□¶3~α@~μfS~μ~'1.2
2±±f~αμ~μ~μ□±~°¶~'..μf~S~.2μ
.2°fμ2§S1/4□3μ~¶~S~±.
2±±fS'¥~¶¶α~μ~3~μ¶2±f□f3
°~¶~α~'f~2°~'~□¶2©.°αμ~f~¶~μ~αμ~α±
¥αμ~¥αμ~αfS,~1/4□°2μSf3μ2!~¶¶~±
¥¥¶f¶f¶αμ~°αμ~f©~

ISLAND DATA SYSTEMS SOUTH, INC
ISLAND/RECAH COMPUTER USER'S GROUP, INC.
ISLAND/RECAH COMPUTER USER'S GROUP, INC.
ISLAND/RECAH COMPUTER USER'S GROUP, INC.
ISLANDSUN
IVORY TOWER
J & M MARINE
J&J'S
J.A.D.E.
J/K SOFTWARE, INC.
JACK'S
JAGNET
JAMECO ELECTRONICS
JC RATJEN
JDR MICRODEVICES
JDX DCS
JEFF ELWOOD 2809
JET-LAG
JF COMPANY'S SOFTWARE SOURCE
JIM THOMPSON ENTERPRISES
JOHN P BAUERNSCHUB JR
JOHN'S ISLANDER
JOHNSON TECHNOLOGIES
JOLLY ROGER
JOPLIN REGION PC CLUB
JOPLIN REGION PC CLUB
JOPLIN REGION PC CLUB
JP SOFTWARE
JT SOFTWARE
JUG
JUST PROGRAMS
K TALKER SALES
KADET
KAYFUN COMPUTER CLUB
KAYPRO CLUB OF AUSTIN
KAYPRO CLUB OF AUSTIN
KAYPRO CLUB OF AUSTIN
KAYPRO CLUB OF AUSTIN
KCM
KELLEN DISTRIBUTING
KELSTAR SOFTWARE
KENNEN PUBLISHING
KERN INDEPENDENT PC USER GROUP (KIPUG)
KERN INDEPENDENT PC USER GROUP (KIPUG)
KERN INDEPENDENT PC USER GROUP (KIPUG)
KERN INDEPENDENT PC USER GROUP (KIPUG)
KERN INDEPENDENT PC USER GROUP (KIPUG)
KERN INDEPENDENT PC USER GROUP (KIPUG)
KERN INDEPENDENT PC USER GROUP (KIPUG)

MEGABYTES
MEGAMICRO COMPANY
MEGASYSTEM
MEI/MICRO CENTER

MEMALPHA
MEMBERS ONLY
MEMPHIS PC USERS GROUP, INC.
MEMPHIS PC USERS GROUP, INC.
MERCER ISLAND COMPUTER CLUB
METRO PCJR GROUP C/O CARL HAUB
MICHAEL E DEVORE

MICRO CORP
MICRO GRAPHIC SYSTEMS

MICRO MSG
MICRO STAR

MICRO TALENT/WIZARDWARE DEALER
MICRO TECH COMPUTER SYSTEM

MICRO TECHNOLOGY
MICRO-FARM SIG

MICRO-MART
MICRO-MART

MICROAGE BBS
MICROCOM SYSTEMS

MICROCOMPUTER MANAGERS ASSOCIATION
MICROCOZM

MICROCOZM
MICROCOZM

MICROENCHMTS
MICROFOX

MICROLAB
MICROLINK PC USER GROUP

MICROLINK PC USER GROUP
MICROLINK PC USER GROUP

MICROLINK PC USER GROUP
MICROMANIA

MICRONET
MICROSCIENCE

MICROSELLAR BBS
MICROTRONICS

MICROVIS
MICROWARE

MICROWAVERESC
MID OHIO

MID PENINSULA COMPUTER CLUB
MIDDLE EARTH

MIDNIGHT ENGINEERING
MIDRANGE

MIDTOWN TV
MIDWEST

MEGABYTES
MEGAMICRO COMPANY
MEGASYSTEM
MEI/MICRO CENTER
MEMALPHA
MEMBERS ONLY
MEMPHIS PC USERS GROUP, INC.
MEMPHIS PC USERS GROUP, INC.
MERCER ISLAND COMPUTER CLUB
METRO PCJR GROUP C/O CARL HAUB
MICHAEL E DEVORE
MICRO CORP
MICRO GRAPHIC SYSTEMS
MICRO MSG
MICRO STAR
MICRO TALENT/WIZARDWARE DEALER
MICRO TECH COMPUTER SYSTEM
MICRO TECHNOLOGY
MICRO-FARM SIG
MICRO-MART
MICRO-MART
MICROAGE BBS
MICROCOM SYSTEMS
MICROCOMPUTER MANAGERS ASSOCIATION
MICROCOZM
MICROCOZM
MICROCOZM
MICROENCHMTS
MICROFOX
MICROLAB
MICROLINK PC USER GROUP
MICROLINK PC USER GROUP
MICROLINK PC USER GROUP
MICROLINK PC USER GROUP
MICROMANIA
MICRONET
MICROSCIENCE
MICROSELLAR BBS
MICROTRONICS
MICROVIS
MICROWARE
MICROWAVERESC
MID OHIO
MID PENINSULA COMPUTER CLUB
MIDDLE EARTH
MIDNIGHT ENGINEERING
MIDRANGE
MIDTOWN TV
MIDWEST

MY-COMM
 MYSTIC S/WNET
 MYTHICALKNG
 N.C.S.C.H.
 N.O.TECH BD
 NASHVILLE EXCH
 NASSIB NASSAR SOFTBRUSH
 NATIONAL CAPITAL PC CLUB
 NATIONAL CAPITAL PC CLUB
 NATIONAL CAPITOL TANDY COMPUTER USERS GRP.
 NATIONAL CAPITOL TANDY COMPUTER USERS GRP.
 NATIONAL CAPITOL TANDY COMPUTER USERS GRP.
 NATIONAL CAPITOL TANDY COMPUTER USERS GRP.
 NATIONAL CAPITOL TANDY COMPUTER USERS GRP.
 NATIONAL EPSON USERS GROUP, THE
 NATIONWIDE PC USERS GROUP
 NATL CONG
 NATURAL SOFTWARE
 NAUTILUS
 NBFOG C/O MSEC O'MALLEY
 NC CENTRAL
 NC JRS
 NE LINCOLN
 NEIL J RUBENKING
 NELS ANDERSON/ARCANUM COMPUTING
 NERVECENTER
 NET SYSTEMS, INC.
 NETWORK 1
 NETWORK 2000
 NETWORK SOFTWARE DISTRIBUTING
 NETWORKEAST
 NEW DIMENSIONS
 NEW ENGLAND SOFTWARE LIBRARY
 NEW GEN
 NEW HORIZONS
 NEW JERSEY PC USER GROUP, INC.
 NEW JERSEY PC USER GROUP, INC.
 NEW LINE
 NEW ORLEANS PERSONAL COMPUTER CLUB, INC.
 NEW ORLEANS PERSONAL COMPUTER CLUB, INC.
 NEW ORLEANS PERSONAL COMPUTER CLUB, INC.
 NEW ORLEANS PERSONAL COMPUTER CLUB, INC.
 NEW WORLD
 NEW WORLD CONCEPTS, LTD.
 NEW YORK PERSONAL COMPUTER (NYPC)
 NEW YORK PERSONAL COMPUTER (NYPC)
 NEW YORK PERSONAL COMPUTER (NYPC)
 NEW YORK PERSONAL COMPUTER (NYPC)
 NEW-WARE

NEWSFAX
 NEWSPAPER
 NEXT STOP COMPUTING
 NEXUS
 NIGHT OWLS
 NIGHT SHIFT
 NIGHTBIRDINF
 NIGHTOWL
 NITELOG
 NITEWING
 NJIC
 NO.LIGHTS
 NOCOSIG C/O SCOTT COSEL
 NOI
 NOISE
 NONAME
 NOPLACELIKEHOME
 NOR'EASTER
 NORTH ADAMS STATE COLLEGE
 NORTH ALABAMA MICRO USER GROUP
 NORTH ALABAMA MICRO USER GROUP
 NORTH HARRIS COUNTY PERSONAL COMPUTER CLUB
 NORTH HARRIS COUNTY PERSONAL COMPUTER CLUB
 NORTH HARRIS COUNTY PERSONAL COMPUTER CLUB
 NORTH HARRIS COUNTY PERSONAL COMPUTER CLUB
 NORTH HARRIS COUNTY PERSONAL COMPUTER CLUB
 NORTH ORANGE COUNTY COMPUTER CLUB
 NORTH ORANGE COUNTY COMPUTER CLUB
 NORTH ORANGE COUNTY COMPUTER CLUB
 NORTH ORANGE COUNTY COMPUTER CLUB
 NORTH ORANGE COUNTY COMPUTER CLUB
 NORTH STERLING
 NORTH TEXAS PC USER'S GROUP
 NORTH TEXAS PC USER'S GROUP
 NORTHEAST INDIANA PC USER'S GROUP
 NORTHEAST INDIANA PC USER'S GROUP, INC.
 NORTHEAST INDIANA PC USER'S GROUP, INC.
 NORTHEAST INDIANA PC USER'S GROUP, INC.
 NORTHERN ILLINOIS COMPUTER SOCIETY
 NORTHERN ILLINOIS COMPUTER SOCIETY
 NORTHERN ILLINOIS COMPUTER SOCIETY
 NORTHERN ILLINOIS COMPUTER SOCIETY
 NORTHERN LIGHTS
 NORTHERN LIGHTS BBS
 NORTHERN STAR
 NORTHWEST HOUSTON PC CLUB
 NORTHWEST OHIO
 NOTOR ENGINEERING SERVICES
 NOTOR ENGINEERING SERVICES
 NOVAC
 NUCLEARSITE

2001
 PERSONAL COMPUTER CLUB OF TORONTO
 PERSONAL COMPUTER CLUB OF TORONTO
 PERSONAL COMPUTER CLUB OF TORONTO
 PERSONAL COMPUTERS UNLIMITED
 PETERSON INT'L SOFTWARE LIBR.
 PHARMSTAT
 PHILADELPHIA AREA COMPUTER SOCIETY
 PHILADELPHIA AREA COMPUTER SOCIETY
 PHILADELPHIA COMPUTER SOCIETY
 PHILLY GAMERS
 PHOENIX
 PHOENIX
 PHOENIX COMPUTER SERVICES
 PHOENIX DBASE USER GROUP
 PHOENIX PC USER'S GROUP
 PHOENIX PC USER'S GROUP
 PHOENIX PC USER'S GROUP
 PHOTOGRAPHERS
 PICONET USERS GROUP
 PICTURE CITY PERSONAL COMP. PROGRAM. CLUB
 PICTURE CITY PERSONAL COMP. PROGRAM. CLUB
 PILGRIMS PITSTOP
 PINELANDS
 PINELLAS IBM-PC USERS GROUP
 PINELLAS IBM-PC USERS GROUP
 PINELLAS IBM-PC USERS GROUP
 PINK FLAMING BBS
 PLANET
 PLAYPEN
 PLAYROOM
 PLEASURE DOME
 PLEASVALLEY
 POCONOMTN
 POLYSYN
 PORT AUTHORITY OF NY & NJ
 PORTLAND PC USERS GROUP
 PORTLAND PC USERS GROUP
 PORTLAND PC USERS GROUP
 PORTLAND PC USERS GROUP
 POVERTYROCK
 POWELL COUNTY PC USER GROUP
 POWELL COUNTY PC USER GROUP
 POWELL COUNTY PC USER GROUP
 POWELL COUNTY PC USER GROUP
 POWER RESEARCH
 POWER STATION
 POWER TOOLS
 POWERBOARD
 POWERPLUS

PERP MOTION
 PERSONAL COMPUTER CLUB OF TORONTO
 PERSONAL COMPUTER CLUB OF TORONTO
 PERSONAL COMPUTER CLUB OF TORONTO
 PERSONAL COMPUTERS UNLIMITED
 PETERSON INT'L SOFTWARE LIBR.
 PHARMSTAT
 PHILADELPHIA AREA COMPUTER SOCIETY
 PHILADELPHIA AREA COMPUTER SOCIETY
 PHILADELPHIA COMPUTER SOCIETY
 PHILLY GAMERS
 PHOENIX
 PHOENIX
 PHOENIX COMPUTER SERVICES
 PHOENIX DBASE USER GROUP
 PHOENIX PC USER'S GROUP
 PHOENIX PC USER'S GROUP
 PHOENIX PC USER'S GROUP
 PHOTOGRAPHERS
 PICONET USERS GROUP
 PICTURE CITY PERSONAL COMP. PROGRAM. CLUB
 PICTURE CITY PERSONAL COMP. PROGRAM. CLUB
 PILGRIMS PITSTOP
 PINELANDS
 PINELLAS IBM-PC USERS GROUP
 PINELLAS IBM-PC USERS GROUP
 PINELLAS IBM-PC USERS GROUP
 PINK FLAMING BBS
 PLANET
 PLAYPEN
 PLAYROOM
 PLEASURE DOME
 PLEASVALLEY
 POCONOMTN
 POLYSYN
 PORT AUTHORITY OF NY & NJ
 PORTLAND PC USERS GROUP
 PORTLAND PC USERS GROUP
 PORTLAND PC USERS GROUP
 PORTLAND PC USERS GROUP
 POVERTYROCK
 POWELL COUNTY PC USER GROUP
 POWELL COUNTY PC USER GROUP
 POWELL COUNTY PC USER GROUP
 POWELL COUNTY PC USER GROUP
 POWER RESEARCH
 POWER STATION
 POWER TOOLS
 POWERBOARD
 POWERPLUS

0-2±f0«-f1-μ□f20.0am f-¥μam-±
 !am f¥f. ±±±±a□1-1' f3μ'f-8±±.
 μ2¥μ.f. «2°f2±□±°f1... μf''S-2μ
 ¥am¥amaf«amμ-ff□3μ2S, fμ''1-1°
 S2±a S fμ2f''□aμ2, 3f!22μS-±±a.
 °©fμ2f''□-¥μam-±±
 2«±f°2μμ-ff2±□3μ''f-8±±.
 ¥¥ff fff«am''am''f©-''
 .2°f20'±ff□S-fff) f-¥μam-±±
 °-1.«fau''±□3μ''f-8±±.
 -2f«±S''μff-±□±°f1... μf''S-2μ
 ¥¥ff fff«am''am''f©-''
 a±±f! f¥μ!-±±-□3μ''f-8±±.
 -amμ¼4f°22S□, ¥f-¥μam-±±
 a±±f.-.ff''±□3μ''f-8±±.
 °-a±±-f aS a°ff□±°f1... μf''S-2μ
 a''» fμ2f''□1-1' f3μ''fS-8±±.
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 ff«am''am''f-¥μam¼4ff, ¥°-ffff-2±±
 ¥¥ff fff«am''am''f©-''
 °-1-1' f@'±±'S¼°3μ''f-8±±.
 ff«am''am''f-¥μam¼4ff, ¥°-ffff-2±±
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 a, «2μff, ¥°-ffff-2±±ff%of, 3S a. ff
 ¥-1' f¥'2°am''±±
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 a, «2μff, ¥°-ffff-2±±ff%of, 3S a. ff
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 μ-1«amS f«2¥ff2±□2©-1' f a, fff3-
 μa-3«ff. a±±μ
 a, «2μ
 a, «2μ
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 ¥¥ff fff«am''am''f©-''
 .μμ¼4f°ff.
 ¥¥ff fff«am''am''f©-''

SOUTH KING COUNTY OPERATORS GROUP
 SOUTH KING COUNTY OPERATORS GROUP
 SOUTH KING COUNTY OPERATORS GROUP
 SOUTHERN TIER PC USERS GROUP
 SOUTHERN TIER PC USERS GROUP
 SOUTHERN TIER PC USERS GROUP
 SOUTHERN TIER PC USERS GROUP
 SOUTHSIDE
 SOUTHWEST PC USERS GROUP
 SOUTHWEST PC USERS GROUP
 SOUTHWEST PC USERS GROUP
 SPA'BRG IBMPCUG
 SPA-QUA ENTERPRISES
 SPACE COAST PC USER'S GROUP
 SPACE COAST PC USER'S GROUP
 SPACE COAST PC USER'S GROUP
 SPACE COAST PC USER'S GROUP
 SPARTA
 SPARTAPCB
 SPAUG, C/O LOUISE BOLITHO
 SPECTRE
 SPECTRONET, INC.
 SPREADSHEET GROUP, APPLICATION DEVELOPMENT C
 SPRINGER
 SQUIRRELNEST
 SSE
 SSP SOFTWARE
 ST PETE PROGRAMER EXCHANGE
 STAR 9
 STAR'S END
 STAR-LINK
 STAR-LINK NETWORKS BBS
 STAR-NET
 STARBASE 9000
 STARBASE III
 STARFLEET
 STARGAZER
 STATE OF NEW JERSEY
 STEGNER'S INC.
 STEPHEN MEREDITH DATA DEL MAR
 STEVEN CALWAS MODERNE SOFTWARE
 STILLWATER
 STOCK EXCHANGE
 STOCKS/ SUCH
 STORK
 STORMFRONT
 STRANGELAND
 STRAWBERRY PATCH BBS
 STUDIO PC

TEVYE'S
TEXAS COMPUTER EDUCATION ASSOC
TEXAS STAR DISTRIBUTORS
TEXAS TECH U
TEXASOFT/MISSION TECHNOLOGIES
THE BREAK
THE CHAIR
THE COMPUTER HUT
THE DATAPAK LIBRARY
THE DISK PARK
THE EXCHANGE
THE GENERIC SOFTWARE PLACE
THE GENERIC SOFTWARE PLACE INC.
THE GRAPEVINE BBS
THE HARBOR
THE HELIX BBS
THE HUB
THE KEEP
THE LEDGE
THE LEVIN CONSULTING GROUP
THE MATRIX
THE MIST
THE PAROLE BOARD BBS
THE PC ARCADE
THE ROOST
THE RTC-BBS
THE SIMPLE SERIES
THE SOFTWARE KINGDOM
THE SOFTWARE PRESCRIPTIONS CO
THE SOFTWARE SHOPPE
THEADDICTION
THERIGHTPLACE
THINKTANK
THOLIAN WEB
THOMPSON ENTERPRISES
THREE COM USERS
THREE RIVERS FOG
THREE RIVERS FOG
THREE WINKS
THRIFTYWARE SOFTWARE/HARDWARE INC.
THUNDERROAD
TINY
TITAN SHAREWARE
TJS LAB
TMC
TOCHNOT HAPISGA LTD.
TOG
TOKEN RING
TOKENWARRIOR

TEVYE'S
TEXAS COMPUTER EDUCATION ASSOC
TEXAS STAR DISTRIBUTORS
TEXAS TECH U
TEXASOFT/MISSION TECHNOLOGIES
THE BREAK
THE CHAIR
THE COMPUTER HUT
THE DATAPAK LIBRARY
THE DISK PARK
THE EXCHANGE
THE GENERIC SOFTWARE PLACE
THE GENERIC SOFTWARE PLACE INC.
THE GRAPEVINE BBS
THE HARBOR
THE HELIX BBS
THE HUB
THE KEEP
THE LEDGE
THE LEVIN CONSULTING GROUP
THE MATRIX
THE MIST
THE PAROLE BOARD BBS
THE PC ARCADE
THE ROOST
THE RTC-BBS
THE SIMPLE SERIES
THE SOFTWARE KINGDOM
THE SOFTWARE PRESCRIPTIONS CO
THE SOFTWARE SHOPPE
THEADDICTION
THERIGHTPLACE
THINKTANK
THOLIAN WEB
THOMPSON ENTERPRISES
THREE COM USERS
THREE RIVERS FOG
THREE RIVERS FOG
THREE WINKS
THRIFTYWARE SOFTWARE/HARDWARE INC.
THUNDERROAD
TINY
TITAN SHAREWARE
TJS LAB
TMC
TOCHNOT HAPISGA LTD.
TOG
TOKEN RING
TOKENWARRIOR

.2° f¶°-«	TOM & CAT SHAREWARE
α, .«2μf¶, ¥°-¶¶-2±¶f%of, 3Sα.¶¶-¶¥μαμ-α±	TONEHALT (HOLLAND) LTD.
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TONY'S SOFTWARE
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TOOL SHOP
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TOP CAT
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TOP GUN
-°f. «2°3¶¶2±□¶¶2©.°αμ°f-¥μαμ-α±	TOPEKA PC USERS CLUB
¶αμμ¼f¶ α-§°-□±°¶¶¶.¶f°§-2μ	TOPEKA PC USERS CLUB
§, §-¼4f°f«α1°±¶¶□α¶¶¶-¶.f-¥μαμ-α±	TOPEKA PC USERS CLUB
μ, ¶¶f°a-¥¥¶¶¶¶3°α°¶f¶22μ§-±	TOPEKA PC USERS CLUB
3α, ¶f°-±□3μ¶¶-§-±.	TOPEKA PC USERS CLUB
α, .«2μ	TORBERT DATA SYSTEMS INC
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TORII STA
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TORUSSUPP
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TOWNECRIER
α, .«2μf¶, ¥°-¶¶-2±¶f%of, 3Sα.¶¶	TRACKMAN
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRADERS' WORLD
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRAIL-T
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRANSNET
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRANSPRM
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRAVEL ONLINE
°-@¶f¶ «α°3-2±□f3μ¶¶-§-±.	TREASURE CHEST SOFTWARE
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TREASURE ISLAND
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TREASURES
α, .«2μ	TRENDTECH CORPORATION
¥±α°-±f¶¶¶@-□□2, ±§-μ	TRI-COUNTY COMPUTER USER GROUP
«2°αμ§f@2°3@α□±°¶¶¶.¶f°§-2μ	TRI-COUNTY COMPUTER USER GROUP
@±f°-¶μ□-¥μαμ-α±	TRI-COUNTY COMPUTER USER GROUP
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRI-STATE
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRIANGMESS BASE
α°¶f¶f°a:μ.½	TRIGON ENTERPRISES
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRILLION
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRILOGY
α, .«2μ	TRIOUS INC
3α, ¶f¶«α3-μ2□3μ¶¶-§-±.	TRS80/PC USER'S GROUP
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TRUCKSTOP
¶¶«αμ°αμ°f-¥μαμ¼f¶, ¥°-¶¶-2±	TRUMBILL PC USERS
'f°-¶«αfμ¼α±□±°¶¶¶.¶f°§-2μ	TRUMBULL PC USERS GROUP
¶¶f2«±¶2±□¶¶2©.°αμ°f-¥μαμ-α±	TUCSON COMPUTER SOCIETY
¶¶«αμ°αμ°f-¥μαμ¼f¶, ¥°-¶¶-2±	TUG NET C/O EHRENGERG ACCOUNTING
§2±f¶¶-±α.2±□±°¶¶¶.¶f°§-2μ	TULSA COMPUTER SOCIETY
¶¶«αμ°αμ°f-¥μαμ¼f¶, ¥°-¶¶-2±	TULSA COMPUTER SOCIETY
§2±f°-±μ□-¥μαμ¼f¶22μ§-±	TURBO USER GROUP
§2±f.α¼-2μ□3μ¶¶-§-±.f%of-§-	TURBO USER GROUP
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TURBOXT
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TWENTY EIGHT BARBARY LN
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TWENTY-ONE CENTS
¥¥¶¶f¶¶«αμ°αμ°f©-¶¶	TWILIGHT

α±f⊙,μ¥'μ□'Σ-²μ	TWIN CITIES PC USER GROUP
¶ ²..f¼²,±ª□³μ'¶-Σ'±.	TWIN CITIES PC USER GROUP
α°¶f°αμ.±□¶²⊙.°αμ'f-¥μαμ-α±	TWIN CITIES PC USER GROUP
²±fα'f⊙μ'±α-Σ□¶¼¶²³	U.S. MARINE CORPS.
·«²°α¶f°¶ μ±¼□¶¼¶'°°f°αΣ°-±'	U.S. SENATE
'Σf',Σ.⊙'	U.S.I.
μ- «αμΣf⊙α.½□¹- 'f³μ'¶-Σ'±.'	UCLA PC USERS GROUP
-μ°-±fα'»α±Σ'μ□¶²⊙.°αμ'f-¥μαμ-α±	UCLA PC USERS GROUP
-αμμ¼f-α±Σ'μ¶ □±'°¶'..μf'Σ-²μ	UCLA PC USERS GROUP, CTRL-ALT-DEL
¥¥¶f¶¶«αμ'°αμ'f⊙-'	ULTIMATE
Σ²±α-Σfμ'f«'-±	ULTIMATE DATA TECHNOLOGY
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UNDER CONSTRUCTION
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UNDERDOG
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UNICORN
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UNICORN BBS
!«αμ'¶f³'f¶ «'f-¹□f³μ'¶-Σ'±.	UNICORN SOFTWARE LIMITED
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UNION LAKE
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UNIQUE AND NIFTY
α.«²μ	UNIQUE SOFTWARE
²«±f'f⊙²,¶.□fμ'□²°±'μ	UNITED RELAY STATIONS
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UNIV OF KARSHEDA
·«²°α¶f ²μ¥'..□μ'⊙'f-¥μαμ-α±	UNIVERSITY CITY PUBLIC LIBRARY
·«²°α¶f fμ²¥'μ.¶ □±'°¶'..μf'Σ-²μ	UNIVERSITY OF CONNECTICUT PC CLUB
α°¶fα'f«'±⊙'□α¶¶² α.°fΣ'±	UNIVERSITY OF CONNECTICUT PC CLUB
Σα¹-Σf³²μ.²,¶ □³μ'¶-Σ'±.	UNIVERSITY OF CONNECTICUT PC CLUB
αμ'f.«²μ□Σ-μ'.²μ	UNIVERSITY OF KANSAS, THE
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UNIX
°αμ.¼f¶«α³-μ²□⊙α-μf «α-μ°α±	UPSTATE IBM-PC USERS GROUP
-°f¥,μ⊙¶ □¶²⊙.°αμ'f-¥μαμ-α±	UPSTATE IBM-PC USERS GROUP
°αμα-¼±f«'±μ¼□±'°¶'..μf'Σ-²μ	UPSTATE IBM-PC USERS GROUP
μ- «αμΣf⊙,μ□³μ'¶-Σ'±.	UPSTATE IBM-PC USERS GROUP
¥¥¶f¶¶«αμ'°αμ'f⊙-'	US-BBS
α.«²μf¶,¥°-¶¶-²±¶f%°f,³Σα.¶¶-¥μαμ-α±	US/PD LIBRARY
μ- «αμΣf⊙'f«,°□ «α³-α-±	USA FLEX
¥¥¶f¶¶«αμ'°αμ'f⊙-'	USAF CHAPLAIN SERV. RESOUR. BD
°αμμ'±f°²⊙'□'Σ-²μ	USER-TO-USER
¶.¹'f³«-³³¹¼□³μ'¶-Σ'±.	USERS PERSONAL COMPUTER ORGANIZATION (UPCO)
Σ²±f³α.½¶ «'□-¥μαμ-α±	USF PERSONAL COMPUTER/SYSTEM USERS GROUP
α.«²μ	USF PERSONAL COMPUTER/SYSTEM USERS GROUP
¥μ, 'f¥,½¥'□±'°¶'..μf'Σ-²μ	USMAIL SCHNAPP SOFTWARE CONSULTING
Σ'α±f-α±ª□³μ'¶-Σ'±.	UTAH COMPUTER SOCIETY
¥μ, 'fμ²ª'μ¶ □-¥μαμ-α±	UTAH COMPUTER SOCIETY
²'±'f°f°²μμ-¶ □Σ-μ'□fμ%°Σf.α!	UTAH STATE OFFICE OF EDUCATION
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UTILXCHG
¥¥¶f¶¶«αμ'°αμ'f⊙-'	UTOPIAS
¥¥¶f¶¶«αμ'°αμ'f⊙-'	VA CONNECTION
Σ- ⊙f°αμ²μ.□¶²⊙.°αμ'f-¥μαμ-α±	VALLEY BLUE PC CLUB
Σ'±±-¶¶f-α°μ'± □±'°¶'..μf'Σ-²μ	VALLEY BLUE PC CLUB

°am-f«amf□!·μ-f¥m°amf°S-2μ
 S°am°-±f¶am±2©□¶2©.°am°f-¥amam±
 -°f3am@amS□3μ¶¶-S±.
 ¥¥¶¶f¶¶«am°am°f©-
 !am2°f°-μ
 3a.f«2a±□±°¶¶...μf°S-2μ
 ¥μ,¶¶f°2¶¶121-¶¶□¶¶2©.°am°f-¥amam±
 ¶¶°±f±°¶¶2±□3μ¶¶-S±.
 3a,°f32μ.°μ□3am¶.f3μ¶¶-S±.

S±-°-f°af°-¶¶2±□°S-2μ□-±□!«-°
 2«±f°-¶¶2±□2°±μ
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 a,«2μf¶¶,¥°-¶¶¶-2±¶¶f%of,3S°¶¶
 ¶¶«am°am°f-¥amam±/4f¶¶,¥°-¶¶¶-2±
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 ¶¶«am°am°f-¥amam±/4f¶¶,¥°-¶¶¶-2±
 ±2μ°f¥±°-±
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 ¶¶«am°am°f-¥amam±/4f¶¶,¥°-¶¶¶-2±
 ¥¥¶¶f¶¶«am°am°f©-
 a°±f!°f«-°±μ□f3μ¶¶-S±.
 μ2a°μf°-°-«
 °μ±°μf°/4¶¶-
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 2«±f3/4°¶¶¶¶□S-¶¶f-¥amam±
 -°±af°,μ3«1/4□±°¶¶...μf°S-2μ
 ¥μ-°±f°f¶¶!«°μ°μ□¶¶2©.°am°f-¥amam±
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 S2,3af«2μ¶¶.°±□3μ¶¶-S±.
 °μμ/4f!23°±S□±°¶¶...μf°S-2μ
 °-°f°¶¶22°□¶¶3°am°μfS-μf%
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 ¥¥¶¶f¶¶«am°am°f©-
 a,«2μ
 a,«2μ
 ¥¥¶¶f¶¶«am°am°f©-

VALLEY PC USERS GROUP
 VALLEY PC USERS GROUP
 VALLEY PC USERS GROUP
 VALLEY/SUN
 VANCE AIR FORCE BASE
 VANCOUVER PC USERS SOCIETY
 VANCOUVER PC USERS SOCIETY
 VANCOUVER PC USERS SOCIETY
 VANCOUVER PC USERS SOCIETY
 VASSTEC LTD.
 VENTURA USERS OF NORTH AMERICA
 VENTURA USERS OF NORTH AMERICA
 VENTURES
 VERNON BBS
 VF ASSOC
 VICTOR VIDEO
 VISTA COMPUTER USERS GROUP
 VOLUNTEER
 VOR BBS
 VVC C/O AARON EPSTEIN
 WABASH BBS
 WALDORF CONNECTION
 WALL BBS
 WALNUTCRK
 WAYNE'SONLINE
 WAYSTAR
 WC/MUG C/O 40 WINSTON DRIVE
 WDS
 WECS
 WEITH PROFESSIONAL SERVICES
 WERNER'S COMPUTERS
 WESCONN
 WEST COAST ARCH
 WEST L.A.
 WEST-WORLD
 WESTCHESTER PC USERS GROUP
 WESTCHESTER PC USERS GROUP
 WESTERN NEW YORK TANDY USERS GROUP
 WESTWOODSTUDIO
 WHITE HORSE
 WICHITA PC USER'S GROUP, INC.
 WICHITA PC USER'S GROUP, INC.
 WICHITA PC USER'S GROUP, INC.
 WICKED SCHER
 WILDCAT
 WILLI'S
 WILLIAM A JACKSON
 WILSON WINDOWWARE
 WINDMILL

Sheet1

WINGNUT
WINNERS EDGE COMPUTER SOFTWARE
WINNIPEG PC USER GROUP, INC.
WINNIPEG PC USER GROUP, INC.
WINNIPEG PC USER GROUP, INC.
WINSOR MANOR
WISE BYTE
WIZARD DATA SYSTEMS
WIZARDCASTLE
WJ3P XCH
WKRP
WOLF SOFTWARE DESIGN
WOLVERINE
WOMAN'S TOUCH
WORD PROCESSING BULLETIN BOARD
WORKSHOP
WORLD OF MIRTH
WORLD WIDE BULLETIN BOARD SER.
WPGS
WRIGHT PL
WRIPCA
WRIPCA
WRIPCA
WRIPCA
WRIPCA
WV EDUC NET
WYOMING BBS
YE OLDE BOARD
YOUNG'S SOFTWARE
YOUR CUG C/O MORT FABRICANT
YOUR PLACE
ZEITGEIST BBS
ZEOS INTERNATIONAL LTD
ZOOMAN BBS
ZPAY PAYROLL SYSTEMS

TED GRUBER SOFTWARE
ROBERT MALEY

WINGNUT
WINNERS EDGE COMPUTER SOFTWARE
WINNIPEG PC USER GROUP, INC.
WINNIPEG PC USER GROUP, INC.
WINNIPEG PC USER GROUP, INC.
WINSOR MANOR
WISE BYTE
WIZARD DATA SYSTEMS
WIZARDCASTLE
WJ3P XCH
WKRP
WOLF SOFTWARE DESIGN
WOLVERINE
WOMAN'S TOUCH
WORD PROCESSING BULLETIN BOARD
WORKSHOP
WORLD OF MIRTH
WORLD WIDE BULLETIN BOARD SER.
WPGS
WRIGHT PL
WRIPCA
WRIPCA
WRIPCA
WRIPCA
WRIPCA
WV EDUC NET
WYOMING BBS
YE OLDE BOARD
YOUNG'S SOFTWARE
YOUR CUG C/O MORT FABRICANT
YOUR PLACE
ZEITGEIST BBS
ZEOS INTERNATIONAL LTD
ZOOMAN BBS
ZPAY PAYROLL SYSTEMS

TED GRUBER SOFTWARE
ROBERT MALEY

ADDRESS,C,45

Š→•f»2¥f'2'3
 "1-μŠfα-¶¶¶¶f™™¶f.2-
 ~-†f",±1αf±2.™,©f"•TM"
 -"•f":¶¶¶¶f±αμ2°¶¶¶¶fœ——~
 œ"•¶¶¶¶f±αμ1/4α¥f"™™"
 "œ>Š•f»2¥f'2'3

1/4α°f3,μ<<μ2±f"——"

——"••"f»2¥f'2'3

"1αf±02μ¶f——~
 ©α§αf±2-α.¶¶¶¶f-α1α±f"Šf»2¥f'2'3
 "¶α-3f f f——f-"Š•

•"•f":¶¶¶¶f"3f<<μ2±f•~•
 œf":¶¶¶¶f1/4°@3f":¶μα,αμα°f•TM->•
 '§μf<<α¥f™™
 •μ,2¶f»α©-α<<f-™™Š

"±α-f"-α°f»-¶¶¶¶fŠ-2f"™™——œ

"-¶μ-¶f§μα°f-"

•¶¶μ•¶¶f»α©-2¶f"™™™™
 ~——œ"——•f»2¥f'2'3
 ->"•~f»2¥f'2'3
 ~——œ"——•f»2¥f'2'3
 ~——œ"——•f»2¥f'2'3

•¶¶μ•¶¶f<<ŠŠf•¶¶°f"→——

"¶¶f•¶¶f f f f>f"™™™™
 §α2μf1/4-§-μf"••
 •¶¶μ•¶¶f±-α°fŠŠ

CITY,C,30

"μμα¥f¶¶¶¶-α°
 3,±μα@
 2.±°αμ¶¶¶
 2§±α-μ2
 ±2.¶¶,2<<
 ¶¶-2-2-f'¶
 ±2.¶¶,2<<
 "1.¶¶-¥
 2¶¶α3f-
 "¶¶-1¶¶.±,«
 @!2μf§±,2μ
 ¶¶,¥°,2!¶
 ¶¶±-μ3¶¶f.2<<
 •μ23"μ©
 α§α±α¶¶fα-
 "¶¶.α"¶¶f23©
 "¶¶α§±-μ3¶¶
 "¶¶-1"2μ±2°
 μ"1±"§
 "¶¶-1>2±@
 2"-1f±2-¶¶¶¶-α°
 ¶¶2-a f°α<<±":¶¶¶¶<<¶
 α3°α.
 "¶¶¶¶<<2μf°±
 ±μ,¥-
 "¶¶-1¶¶-2-
 .."μ"1"
 §220.±"μ¥
 ±2.μ.¶¶.©
 αμ,¥¶¶μ<<-αα
 <<α-αμ
 "¶¶-1±α§
 "ααμ2<<±α
 •μ23"1"μ<<¶
 "ααμ2<<±α
 "ααμ2<<±α
 "ααμ2<<±α
 "ααμ2<<±α
 "μ",¥-α
 "μ",¥-α
 ¶¶-23α"±±-α°
 2μ2¥¶¶"§"°¶
 μ".α°μα"¶
 §±α-±-1
 αμ,¥¶¶@!α-¥
 ±2.a±-¶¶¶¶α°
 ¶¶±02§f±α°¶¶¶¶-μ¥
 ¶¶-α©f"±μ,¥-¶¶¶¶<<¶

STATE,C,29

3α
 α,¶¶μα-α
 ¶α
 ©-
 .>
 °2
 .>
 °α
 .>
 α-
 .>
 2<<
 αμ
 °.
 ¶α
 °α
 α1/2
 3α
 ¶2
 .±
 ¶α
 ,±-¶¶f@-±α§2°
 ©-
 ±1/4
 αα
 @1/4
 °α
 .±
 αμ
 ¶α
 ¶α
 ¶α
 ¶α
 ¶α
 ±°
 ±°
 °±
 ±
 ©-
 ±
 1α
 §¶
 ±2μ°α1/4
 °α

ZIP,C,11

">Š"
 TM"Š™
 œ">~
 -•>••
 ŠŠ"~>
 TM_"__TM
 œ>"™™
 ——"•
 œ"™™™™
 œ>Šœ"
 Š•Š™™——
 -Šœ-
 œ•™™œ•
 -fŠ<<
 -TM"¶¶œ——
 TM">•
 œœ~•——
 Š"™™-¶¶>•
 œœ~•——
 œœ~•——
 ~——~
 •"™™—
 ——~
 "™™-Š"

Sheet1

~f>2xf'2'3	¶ a©f'±μ,¥'«¶	°a	""-š"
±'1af«>-f.¶'°f~š~	μ'±'š	!2	>"•"
"š-f>2xf'23	±2.¶-°-	±1/4	"-œ•
«.μ±f~□«-f.——"	2-±2.±af±a¶	·»	š•—
~"f>2xf'2'3	¶ ~μ¥°a	°š	"š"š™
~"f>2xf'2'3	¶ ±-a-3f«!2!¶	±	"š"š™
	¶ ±-a-3f«!2!¶	±	
	¶ ~a±af¶2-	!a	
		2«	
	š±a-1-1	2«	
±'1af«±'±'μ-«f•"	@ °μa°	μ-	"•>™□>—•>
!a-3f.±a¶ a'«3f•"	±2š±aμ¥	©-	—~"
š±•"f°¶f-••	±-μ,¥	°a	
—•"šf>2xf'2'3	±2.¶,2«	·»	šš•š~□"•—
°¶f'±'1af«>f□f-"	aμ,¥¶μ'š-«!	a-	—~"
	a°2!a.	°a	
	"š-¶ ±a'!2	±1/4	
¶¶'°f a-	2!¶ ~±aμ©f±a¶	!a	œ•"—"
!f~¥~2®f"—™	±-°š-a¥	±1/4	"™™□-œ™"
	1/4²μ.	±1/4	
œ>"•f¥23	"š-¶ a'¶	!a	œœ~•"□"œ
	"aμ²«!±a	a®	
>œ•f>2xf'2'3	±2.1/4aš	2«	œš~"
	"a°-33a	2μ	
ša²μf«.,2¶f~"	μ'¶'«!±-°	1a	
	"-¶ 3"®«a,23	±1/4	"•™—
	1/4-°a1f²μ.¶ a!	!a	•"™š—
ša²μf"¶,2«.«a-1-f••	±-23f1/4'±-3	°š	™š™
œœ-f>2xf'2'3	3-¶ ~	±1/4	œ"š>œ
«f-±,f□-1-μšf@~μ!f±2°-f>œ-	±-a°	!a	™>œ~œ
«f«.μ±fš•"	±'š±-°	±	"•>•□-••"
ša²μfš²μf±.f">	"1/4a©a-	μ-	~™™
"1af«!-°f™œ™f>2xf	¶ °a	-a	
	š-°©°22¥	±	
		°a	
~™f¥23	"¥1/2.2®	a®	œœš~•
	±2¶ .	a1/2	
"•f-¶,¶ f□ša²μf-a°f•	a±-μ³¶ μ-1-¶	°š	
-~>f>2xf	±2.a±-μ,¥	°a	">—
	±2.a±-μ,¥	°a	š•œ"□">~
•"fμ°aμšf>2xf'23	«-°¶ f.μ²©	aμ	
	~1-«¶ a	±!	
"š.™f¥23	"!μ°°2!	·»	š~•œ
	~aš±a±±a	±	
	a¶ ²μf a.±a¶	!a	œ~—"™
	±a°šμa²¥	2«	
	±2.a±-μ'® ~3	2«	
	1/4-°a1f¶ .2!¶	!a	
—>"f>2xf'23	a-±2.¶ a	±!	•>"~

Sheet1

TM>S~f¥23	·1·~·¥ ±2.a±~µα	0α 1α	œ>™™™™
1/4°@3f·µ23µ~αf—•	·¶2f±α¶	1α	œ~™™™™
•>TM~f>>2¥f'2'3	¶±~«·α	αα	—™™™—
α ^a ,f>>±±αf¶~'1~1µ~¶fµ~',3°2!f□!°!α	¶±~«·α	αα	—™™™•
·,±~1αf~'aS~'~°f«.,2¶f~•	¶±~«·α	αα	—™™™~
·,±~1αf~'aS~'~°f«.,2¶f~•	¶±~«·α	αα	—™™™~
>>S>•f>>2¥f'2'3	α·±α~·α	αα	—“~>
>>S>•f>>2¥f'2'3	α·±α~·α	αα	—“~>
>~—šf>>2¥f'2'3	·1·~·¥	0α	œ>™™™™>□™™™™>
™™™™>f>>2¥	±~·¶,α	·>	š>š™™™™š
•>•—f>>2¥f'23	α±~š¶α¶α3f2¶	1α	œ™™™™—
	~αµµα3α«!<	±°	
	«.,2°1/4~3	0α	
·™™™µ·¶fšµα±>>2f—•™™™œ”	α±α1/2µα·	1α	œ™™™™~™™™™
	1/42µ·	°~	
	α·±α~·α	αα	
	~°~1µ~«.,~	°š	
	1/4¥µ~š	®¶	
—š—”f>>2¥f'2'3	·®α~3α¶~«!<	1α	·—~
™™™™1~µšf°α~°~°fα±~®f”~š™™™™	¶α~°αš	·>	š~••“
	±·!±fš±αµ ^a	12 1	
š~>f¥23	1/4~·®µ~¥	±1/4	
	µ~°~α3	1α	œ—š“š
	µ2~1/4α·	°α	
>~™™™™f>>2¥f'2'3	~°~1¶1/4~®!2!	°~	
>~™™™™f>>2¥f'2'3	~°~1¶1/4~®!2!	°š	•™™™™—“□™™™™™>
>~™™™™f>>2¥f'2'3	~°~1¶1/4~®!2!	°š	•™™™™—“□™™™™™>
>~™™™™f>>2¥f'2'3	~°~1¶1/4~®!2!	°š	•™™™™—“□™™™™™>
—š†f>>2¥f'23	°α«µ,š	±1	
·™™™µ·¶f~'aS~µf>•	±2~°α©š2	~	™™™™•™™™™œ
	¶α~°αš	3α	”>™™™™•
	°2.¶µα¥	1α	
	šµα±>>2	1α	
	α~µαf1/4α¥	1α	
”•—™™™™—f>>2¥f'2'3	2!¶~!±αµ©f±α¶	1α	œ—”——
”•—™™™™—f>>2¥f'2'3	2!¶~!±αµ©f±α¶	1α	œ—”——”□“—•”
™™™™¶µ,2!fµ~·¶~°~!±α°f>—œ	~°~·α~¶	0α	
	α1~±~°a	~	™™™™™™™™™™
	~°~1«·µ2±	°~	
	α¶~°fα·¶2!	1α	
™™™™•f~·¶f□¶fµšf®™™™™µ!f1/4µµ~«!f™™™™™—	©©2®!1/4°	±	
	µ~1±~š	12 1	>•••
	±µ ^a fα±~°2¥	2«	
	2!~>~°	°2	
	2µ2¥¶~š~°¶	±	
·¶f·,±~°αf~™™™™™	1/4~·®µ~¥	1α	œ—š“š

Sheet1

~••>f>>2¥f'2'3

¶1/4,±f±α1
 ¶1/4,±f±α1
 ¶1/4,±f±α1
 ¶1/4,±f±α1
 2-α©©,¥
 μ·±|f-Š1®|²μ

|α
 |α
 |α
 |α
 ±1/4
 ±1/4

œ"—“œ
 œ"—“œ
 œ"—“œ
 œ"—“œ

¶α¶±α®μαf·¶'°f''''''·f□>''''—''f>>2¥f'2'3
 ·''μ·¶f«·''''f□f~''''
 ~-•f>>2¥f'2'3

±2.a±-μ
 1/4Š²|
 1/4Š²|
 Š±α-·μ²³
 2.±''°αμ|α¶
 ±²¶|,.
 α.±α-α
 Š²²°±-²|±-
 ²μ²¥¶±''μ^a
 ¶|±-²³α''±±-°
 °α«^a±-°μ-¥

·»
 ·»
 01/4
 01/4
 ²μ
 |α
 α1/2
 αα
 -
 ±|
 °±
 α-
 ©-
 ±Š
 ²μ
 ²μ
 °α
 °α
 1.
 -
 Š''
 °-
 -α
 |α
 °α
 °±
 ·»
 ®1/4
 α1/2
 1α
 ±1/4
 ©-
 |α
 °α
 °α
 -
 -
 -
 ±
 °α
 °α
 °α

Š™“œ—
 >•"—
 >•"—

>—•œ''f¥²³

±2.αμfα|²¥
 ®|μα°¶-¥
 ''±''
 Šμα^a-
 Š±²°Š''μ
 ²μ²¥·¶|°
 ±²Š''«¶
 ®μα°±
 «³·¶²f'.¶
 22-μ''.α°
 ''-αŠ°-α³
 °α«.-α°
 ¶|±-²³α''±±-°
 ¶|α-αŠ
 ±2.a±-»-
 α°1/4
 Š±²°«|α-μ
 -α1.±α¶|α-³
 ''-α1¶|±-α^a
 2.±''°αμ|α¶
 «|¥1/4αμ-Š
 ''-α''¶
 ''-α''¶
 2αα|α«|
 ''-α1μ''.¶|α-α|°
 ±α-α³°α«|
 1/4©α±''
 ±2.|α
 μ''²Š±α
 ±2.¶²¥

α-
 ©-
 ±Š
 ²μ
 ²μ
 °α
 °α
 1.
 -
 Š''
 °-
 -α
 |α
 °α
 °±
 ·»
 ®1/4
 α1/2
 1α
 ±1/4
 ©-
 |α
 °α
 °α
 -
 -
 -
 ±
 °α
 °α
 °α

-~•"œ□œ•—>
 œš—''
 œš••—
 œ>''•
 ''>''

|f''-.,¶f□Šα²μf^aμ,¥²|f“œ—
 TMAf''-.,¶f□¶,¥°-±f'°¶f''''•''
 'faŠ-¥f□·¶f«·—f''±f•œ''''
 μŠf''^aŠ-μfμ²¶Š±-°f~•-

·¶α''f''''μ·¶f«·•"f□f™“š>-
 ·''μ·¶f1/4Š²²°f~—
 ·''μ·¶f-αμ''±''|f''-•
 ''1-μŠfŠ''-©©,Šfœ''•š

''|α-³fŠ±••f·¶α''f™•—''

°¶f''',±''1αf«·œf□f™—''
 ~•□|°f¶f'°fš''š-f>>2¥f'2'3

·¶f''-³α°f''±-³f□f™—•f>>2¥f'2'3

®²²μ¥f''±2.¶fŠ-²f—™
 ¶''·α·¶''f''μ-«¶|α-°¶f-°
 α1/2α-³fμ''±''|f''±²

±2.|α
 μ''²Š±α
 ±2.¶²¥

·»
 ·»
 01/4
 01/4
 ²μ
 |α
 α1/2
 αα
 -
 ±|
 °±
 α-
 ©-
 ±Š
 ²μ
 ²μ
 °α
 °α
 1.
 -
 Š''
 °-
 -α
 |α
 °α
 °±
 ·»
 ®1/4
 α1/2
 1α
 ±1/4
 ©-
 |α
 °α
 °α
 -
 -
 -
 ±
 °α
 °α
 °α

œ—''
 “•”~
 ~—>
 š•—>
 >~™—
 œ>”—™
 œ>”•—
 “š”—œ
 “”š>
 “”>“
 “•”>

Sheet1

20. f. 11 a 1/2 a 3 f. ... μ. 11 f 2 μ ± 2° f ...	11 a 1/2 μ	°S	•>~“
1/4 0 3 f 22 μ ± a ± 1 2 f ~ • Š —	11 a 1/2 μ	°S	•>~•
... μ. 11 f 2 μ ± 2° f ... f μ 2. 1 ± 2° f 1 3 f a. 1 3 a 1 f 2 1	11 a 1/2 μ	°S	•>~“
>” TM f > 2 f 2 3 f 1/4 μ a μ ± 1 f μ a 0. © 2 1 f a, 1 3 1	a ± 1 μ 3 1 f μ 1 1 1 1	°S	•“œ” TM
1 1 μ S f ± a ° 1 1. ± < f > “” —	S 1 1 1 1 a ± 1 μ 3 1 1	1 1	œ ~ > • TM
	2. ± 1 1 a μ 1 a 1 1	1 a	
	<< a 1 1 a μ	± 1	
	a μ, ± 1 1 1 a <<	° 1 1	
	1 1 1 3 a ±	© 1 1	
μ S f 0 1 1 f a S 1 μ f s “” “”	1/4 1 1 a 1 f 1 1 1 a μ a	1 a	œ ~ œ — ~
	S 2 2 0 1/4 1 1 2 <<	© 1 1	
	S ± a 1 μ a a	• >	
± f f f TM — f > • ~ —	1 1 1 a 1 1	° a	œ > “” ~
	± 2. ± 2° a <<	±	
~ • f > 2 f 2 3	<< 1 a 1 f a ± 2 1	1 a	
	a 1 f °, 2 1	° S	• “” ~
• — f > 2 f 2 3	± 2 1 μ 1 1 1	±	
	1 1 << f ... 1/4 a © a 1	3 a	” œ —
	± 2. 1 1 a 1	° S	
μ S f a 1 1 1 a 1 f — “”	2 S ± a 1 μ 2	© 1 1	
	1/4 << 1 μ f . 2 μ 3 f 0 1 ±	© 1 1	— TM ~ •
~ œ “ • f > 2 f 2 3	1 1 a 1 a S	• >	
~ œ “ • f > 2 f 2 3	@ 1 1 2 μ f 1 1 1 1	a μ	Š • • —
• μ, 2 1 f 1/4 2 f 1 S f ± f — TM “	@ 1 1 2 μ f 1 1 1 1	a μ	Š • • —
1 1 μ S f << 1 1 1 a 1 a 1 f TM S “	a 1 μ a ° f a. ± a 1 1	1 a	œ — ~ —
1/4 a 0 f . 2 2 © a S ± a 1 1 f — • — Š	a 1 f °, 2 1	° S	• “” —
1 1 μ 1 f a ± 1 1 a ± a f S — œ	a 1 f °, 2 1	° S	• “” — TM
± a 1 f a 1 1 μ 1 f ° a f • > —	1 1 1 1 1 ± 1 1 1 a 1 f	± 1/4	• “” ~
” — TM f > 2 f 2 3	1 1 1 a μ 1/4 1 1	± 1/4	” — “ Š
	a μ 2 ± 1 1	2 ±	” — “ Š □ TM — “”
1 1 μ S f @ μ a 3 1 1 f TM “ > “”	± 1. 1 1 a	• >	Š > Š >
	• ± 2° μ ©	1 a	
	@ 1 2 © μ 2 ±	1 a	
Š — “ œ ~ f > 2 f 2 3	a 1 a 3 1 1 S a 1 1 a 3	3 a	” œ “” • □ œ — Š
“” — f ... 1 1 f □ • f 1 1 f □ 1 f a S 1 f □ 1/4 0 3 f 1 . S f ~	S 2 2 0 1 1 a ± 1	1 2	> “” “”
	1 1 a S 1 μ 1 f ° a 1	° a	
~ • “ f > 2 f 2 3	S μ a ± 2	1 a	œ — “ —
— • • f > 2 f 2 3	1/4 ± μ a 1 1	±	“ Š “ — •
œ > • f > 2 f 2 3	1 1 1 1 1 S	±	“ Š > —
	1 1 << 3 0 1 1	• ±	
	2 a a 1 1 << 1	1 1	
• f 1 1 1 1 f ± 2 1 1 S f . 1 1 1 f — Š	2 a a 1 1 << 1	1 1	TM “ TM TM “
... μ . 1 1 f a 0 2 1 f . 1 1 1 f • “” •	2 a a 1 1 << 1	1 1	TM “ TM • •
Š “ TM “ — f > 2 f 2 3	2 a a 1 1 << 1	1 1	TM “ TM —
1 1 ± 1 a f ... 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1	TM “ “ œ ”
” > TM > f 2 3	2 a a 1 1 << 1	1 1	TM “ TM > “
1 1 a μ μ 1 1 f μ 2 f μ a << f TM •	1 1 1 1 μ a 1 f	1 1	TM “ “ —
” > TM > f > 2 f 2 3	2 a a 1 1 << 1	1 1	TM “ TM > “ □ , TM > ”

Sheet1

">TM>f>>2¥f'2'3	2aα!~<<	~	TM"TM>"□>TM>"
"±'1αf1/4μ,¥¶αf"•œ	±2.¶ ±α1"	~	TM"•••
>ŠTM" f>>2¥f'2'3	2aα!~<<	~	TM"TM œ"
>ŠTM" f>>2¥f'2'3	2aα!~<<	~	TM"TM œ"
>ŠTM" f>>2¥f'2'3	2aα!~<<	~	TM"TM œ"
>ŠTM" f>>2¥f'2'3	2aα!~<<	~	TM"TM œ"
•.¶ f±~α°f" f•"	~ ^{-2±2} «	«~	
"±'1αfμ"« ~¥f•~"	« ¥f·μ ^{230'} ±	α	
"—f"~.¶ f□~"μ.¶ f«.Šf□f•~	§ ^{220'} @α~	±	
œ"••f¥ ²³	α·μ ^{α3¶}	±	
•¶ fμ~αμ©f—"•—•	02¥f±'® ² μ¥	±"	
"~"f~.¶ f□ ² ~ ³ f.¶ °f~Š~"	~.α±±~ ±~	2«	
"~1~μŠfα•¶ ~ ¹ fŠ~αμ"°fœ"—œ	~.α±±~ ±~	2«	
μŠf•±'¶ μ'fŠ"	~"~ ¹ ~"~¥	~	TM•••"
~"~>"f>>2¥f'2'3	¶ ~ ⁻²³ α±α~§±~	~±	
"±'1αf1/4·μ~¥~ ⁻¹ f'°f"—œ•	±2·μ"°"μ¥	°α	
"~1~μŠf ² ¶ μ,μfœ"—	2§±, a"¶ f~	α	
1/4α°fα° ² ~α ³ fα~f—"	§, 2~ f'.¶	°±	
"~1~μŠf~μ ^α ~ ³ f—">~	¥f□α~μ ² . ~ ¹	α±α§α	1>μf—±"
"~1~μŠf~αμ·~ ³ ¶ f"™œ—	2.±"°αμ!α¶	α	
"~ μ~ f"~μ©"μα!f«.2¶ f>œ"	±02.±"~α	3α	
~" f>>2¥f'2'3	±2¶ , .	α1/2	
~" f>>2¥f'2'3	¥f□·¶ ±~°·¶ °f°'±	α±α§α	1~°f~.~
~" f>>2¥f'2'3	²³⁰² ~	α	œ—>□••œ
	¶ ~<<f§±α~§ ²²⁰	α	œ"~™Š
	¶ ~"~α±αf¶ ² ~	α	œ"™™—
	"~12μ ^a f®~°	α	œ~™™•—
	1/4~"~α ¹ f~°~¶	α	
	¶ ±~α~ ³ f"~<<°	±1/4	
	§~"~<<~°~¶	1α	•——"
	§± ² °<< ~μ	1α	•...~
	« ³ ¶ 2f.¶	°2	
	±02.¶ μ"~αα«	°§	
	±2~±,	±	
	~.α±±~ ±~	2«	
	« ^a μ, ¥¶ ..~ ³	3α	"~"™
	±"§°α«	.	"™~">
	¶ α~α§	·>>	
	¶ α±~μ ³ ¶ f ² §αμ ² ~ ²	2	>"œ">
	¶ α±~μ ³ ¶ f ² §αμ ² ~ ²	2	>"œ">
	¶ α±~μ ³ ¶ f ² §αμ ² ~ ²	2	>"œ"Š
	¶ α±~μ ³ ¶ f ² §αμ ² ~ ²	2	>"œ"Š
	±. ±f§±αμ ^a	2	
	¶ α±~μ ³ ¶ ² ~ ²	2	
	@μ ^{21/4} f ⁰ ~±	±1/4	
	α~¥°~ ²	°§	•"~"~□"™"•~
	α~¥°~ ²	°§	•"~"~□"™"•~
	α~¥°~ ²	°§	•"~"~□"™"•~

Sheet1

~"f»2¥f'2'3

§μf±2μμa°-lf¶fš"~
 ""·œ™f¥23f□œ—"f°©f~""·□š"·°

-œ-f»2¥f'2'3

>œ~"f»2¥f'23

œ""f·,¶f□¼a°@μa3f""μ·«!a'3f""~
 TM"·f·!a3¶f□2·±-!af±a¶f·¶a·f""~
 ·"f·,¶f□@-a3±μ·f@!2μf@!a-¥f"œ—
 "f·,¶f'§μf~"1¶±02μ¥f""~
 §a2μfμ'33'3f±f·œ···
 →"f»2¥f□"f'·μ
 >"f·¶f□§μf·±,«f%of¶a!,-f~>-
 a>†f□«"·-f«',2¶f"·"·
 "»-f»2¥f'2'3
 TMš""œf»2¥f'23
 ·¶f§μa02«f""~
 ±2··f«·μ2±ff·"f""~
 ©f¥23f□1af±2·a±-«¶a0f¶□""·~
 ~-f»2¥f'2'3

-"·f·,¶f□-a'μf2±-°a!f~"f«·μ2±f""·

-"~šf»2¥f'2'3
 !f·,¶f□~"2±f™—œ

¼a0f"·a§-μ0'-1f—"~

a-¥°,-2!¶,¥°,-2!
 ¼~"a1f2μ·¶a!
 0'-1f±·°
 μ2¶§±-°f'·
 «'·¥a½-~"

·±2°μ-a©
 ±2·~"·~"
 ±2·¶,2«
 «!a'¥f'a1
 ±2·a±-«¶a0
 §220"·a§·
 ¼±a¥-a
 ~"~"1±±-°!
 §±2°«!-μ
 a±2°23
 2±a-3
 ~"~"1¶μ±μ·
 ~"~"1±±·

a2±a!
 "¶2f±a¶

"!-±"1
 ¶¶2μ!μ2±
 ¶-μμ'3
 §~"·©μ-a©
 «aμ,¥¶,·-3
 ±2·a±-μμa¥
 "2μ±2°
 ¶-2-f'·¶
 ¼a0f~"aμ'§"©
 "¶2f±a¶
 ¶~"·a±af¶2-
 2!¶-!±aμ©f±a¶
 ¶a±-μ3¶f2§aμ2-2!
 ~"~"1¶,·-·
 ±2¶a°
 , , -2±2«
 ¶a·-±-!±·
 2-±2·±af±a¶
 ±2-¶¶-°f'·±0a«¶
 ¶!±-a-3¶¶§
 ±-32
 ©μ2§-a0
 "§-¶!±a'12
 "·"3f·¶

°§
 aα
 ·»
 !α
 !α
 ±
 ±
 ±
 01
 !2
 ·»
 1α
 §!
 °§
 2μ
 2μ
 2±
 !α
 ·»
 ±
 aα
 3α
 !α
 !α
 ±¼4
 !α
 aα
 !α
 !·
 3α
 -
 -α
 °2
 0α
 !α
 !α
 !α
 !2
 ©-
 °-
 «-
 !α
 ·»
 ®¶
 -
 °2
 °§
 !α
 ©-

·""~"□""·~
 >""·-
 šš·TMœ□·""
 ~"">œ
 œ"-œ
 ~""œ·
 œ·-š"
 "TM—"
 "·š
 TM""
 ~""š"
 TM_·"
 œ>""-
 œ~"TM
 œ""œ
 œ—""~
 >œ"-
 -·š>"
 ~>~
 œ·-·
 TM TM·š
 TM""TM
 œ·~"TM

Sheet1

~>"f»2¥f23

"œ•f»2¥

"œ•f»2¥

"œ•f»2¥

"1œfœ~¥f~

"±œ~f¶µ2.œ~¶f~"

>•"f¥23

±.¶f@!¶¶§œ2.f•—"f¥23

—™f¥23

§1~¥f~œf±œ~§~±œ~f±f~™"

"1œfœ~1±~µœf•~"

'!f32µ§~œ0f~§—

¶~œµ, .¶f•"—•

œ"œf¥23

"1œf~@œ~f<.,2¶f~™œf~"f~.¶,¶

§—§™f¥23

"~f»2¥f'2'3

"~f»2¥f'2'3

"±~1œf<~f□f~"

"1œfµ~1~µ§f~œ>

>"™f»2¥f23

"~>f»2¥f'2'3

"~1~µ§f~¶2µ¥f.œœ~µ0f~"

—œf~.¶,¶f□œ~œ3~§œ~œ3f.¶'0f§~"

µœ°f~§fœ±2µ2'1

..2~µœœ'

µ, .œ'~§

±œ±±œ!f'0~±

±œ±±œ!f'0~±

±œ±±œ!f'0~±

œ..~µœ°

°œœœ±~°µ~¥

±1/4~®22µ¥

œµ, ¥¶µ'~œ.~œœ

2'¶~¶~±œµœf±œ¶

µ'1±~§

œœ±±œ1œ¶

'®±2µf~®œ~

1/4œ°œ.œ!¶~3

§~.~œ°'±

'3f~œ.~2'1

±2.¶@µœ~'

¶œ±~µ3¶f2§œµ2~2'1

.2±~°

1/4œ°±2'1

§~.~œ°22µ¥

.±2°~µœ~'

..3œ..

"12µœf~œ~œ'œ3

œ±~¶±œ~f.¶œ~

µ~.~.~'2±

œ'~.±œ°

..œ±fœ±, œœ~

¶~œ°f¶~®œ~

¶~œœ3œ°°

µ~.¶~œ'2µ

¶œ±~µ3¶f2§œµ2~2'1

œ'~°µ2±

œ±~§œ¶œ3

±~.¶, œ

2.¶~§2°

~.~1'~®22'1

~.~1'~®22'1

®µ2'1/4f'0~±

®µœ3fµ~±~°

®~µ'f~, ±~œ°

¶œ±~µ3¶f2§œµ2~2'1

°~.~œœ±œ

¶œ~œ§

2~µœ.±2

±2¶~§~

|œ

±'

~

|.

|.

|.

œœ

œ~

±1/4

°§

|œ

|2

œœ

±1/4

3œ

±

±1/4

±1/4

°~

|2

±§

œµ

|2

|œ

œ1/2

|œ

°~

œµ

|œ

|œ

©~

~±

±1/4

|2

|.

|œ

·»

|œ

·±

·±

±1/4

©~

|œ

|2

|œ

œ~

·»

|œ

±

œ•™œ~

"™~"

"™~"

"™~"

"~§œœ

"~>™§

>"œ"

§•~•

>"œ"

œ"§"

—>•—

—>~—

>"œ"œ

"™~™"

œ"""

œ~~

→~œ~□~"

→~œ~□~"

""™

—•§œœ

>"œ™œ

œœ>~—

§~—

œ"§™œ

Sheet1

	§±α ⁻ ¶ ⁻ f® [!] ²μ	¬ ⁻	
	®μ ² / ₄ f ⁰ ·±	± ¹ / ₄	
š~“·f¥ ²³	“!±”S ⁻¹² μ ³	μ ⁻	
	«!α ⁻ ¥f ⁻ α ⁻ ¶	!α	œ“š—“
	¼·¬!f¶α¶±α®	!α	œ“š—“
	¼·¬!f¾“¶μ ⁻	!α	œ“š—“
		!α	œ“š—“
	¶¶²μ!μ²±	!α	œ“š—“
™ššf»²¥f ^{2'3}	±²!α°	αα	—”••
“¹¬μšf± ⁰² S ⁻ ·¶ ⁻ «·fœ•~”	±²S±αμ¥	© ⁻	—~”“
	°²μμαf± ⁻ ®²μ¥	²®	
	S±²°«!¬μ	1α	
	S±α ⁻ “¹ ⁻ ¶	2«	
	α¬μS±α» ⁻ α	1α	
	μ ⁻ ¹¬μf ⁻ α©	°α	
		± ¹ / ₄	
	μ ⁻ ·α°μα ⁻ ¶	© ⁻	
	²S±α ⁻ μ²	© ⁻	
	¶α ⁻ αS	·»	
	μ ⁻ ·¶± ⁻ °μα°	3α	
	α ²² ±α·α«!	·±	
μ ⁻ ³¬³S±α¶f> ⁻ “š	22½α°α ⁻ α®	°¬	—œ““•
	α¶ ²² α!¶,	α ⁻	
	“ ⁻ ¬¹»²±®	·±	
š~f»²¥f ²³	“·² ⁻ μα«!f·μ ²³	© ⁻	—œ—œ
“¹¬μšf ⁻ α!¶α³f ^{““““} —	±μ²¥μ¬α©	2«	—~•—
“¹¬μšf ⁻ α!¶α³f ^{““““} —	±μ²¥μ¬α©	2«	—~•—
	¼·¬!f±²¬±,	!α	
		!α	
	±²·a±¬«¶α°	S!α	
	Sμ²©©α·¶	1α	
	±²·©¬¶	±	
	“ ^a ±αμ²f ^{““}	±	
	“ ⁻ ¬«f±²»²	°S	
	α·±α ⁻ ·α	αα	
	α¬!¬± ⁻ ¥	!α	
	±¬·¶!α	·»	
™_f ^a ±¬S ⁻ ¬,¥f□¶ ³³ □ ⁻ ¶ ⁻ Sf [“] ,± ⁻ ¹αf¶ [±] ¬¥²μf ^{“““} š	α¬«³ ⁻ Sα ⁻ ¬«³	3α	“œ”““
α-f ^a ±¬S ⁻ ¬,¥f□ ^{“““} □!¶ ⁻ Sf [“] ,± ⁻ ¹αf¶ [±] ¬¥²μf ^{“““} š	α¬«³ ⁻ Sα ⁻ ¬«³	3α	“œ”““
	±²·» ⁻	3α	
‘.¶f—™”f—»	!¥f□®!²μf [“] ·¬«°	!α±αSα	1—αf—¼ ⁻ ~
	“ ⁻ ¬¹±²¶®!α	© ⁻	
	±¬·¶!α	·»	
‘Sμfμ ⁻ “ ⁻ ¬°f~•	“ ⁻ αS ^a ± ⁻ °μα©	± ¹ / ₄	””š~
	α±±α« ⁻ “ ⁻ ¶!α,¶	3α	
·¶f·©αμ! ⁻²² «!¶f ^{““} —•	¶ ⁻ ¬«f·¶ [“] °	!α	œ”~“š
	¶α ^a ¹f¶α ⁻	±¹	

Sheet1

·¶fSα²μ¥f·f>-œ•f□μ·,³º²|f¼/4-»“¥

·“·μ·¶f«·μ²º-αSf-”œ”

·“·μ·¶f«·μ²º-αSf-”œ”

§””+f□“—“>f»²¥f'²:³

§””+f□“—“>f»²¥f'²:³

§””+f□“—“>f»²¥f'²:³

§””+f□“—“>f»²¥f'²:³

“”f”¶¶αμ·¶¶αμ,¥±·¶¼/4

μ²·!-1f§—œ—

‘Sμf”-α1-μ”°f•-“•

”1-μSf@μα°f§

TM-f»²¥f'²³

œ““Sf¥²³

—œ-□-“”f”·,¶¶fαS±-fα-1f“”f~“””

‘S¹-¥f«·μ²±f·¶α”f“”””

”¹²μªfS±²º¹/4αμfœ

-”+fS¹-¥fαμ,·±”¹fœ™œ“•

•—œf»²¥f□-f·μ

¶,¥º,²¹

±º²,±²²¥

·-²μ·”S

±²·a±-μα

”-μ-αμ³fS±αμª

”-μ-αμ³fS±αμª

®””μ|f·,±-αº

®””μ|f·,±-αº

®””μ|f·,±-αº

®””μ|f·,±-αº

””®””αº-¹º

œ”f±”«|±,ºf“”””>

””-¹¶±α¹”

””-¹¶±α¹”

¶α-αS

±²¶-Sαº

±º²·”-SS-¹º

±α³”±

α¶²μfα·±α¶

α·”-μαº

”·α@αμf±α¶

±²·-¹ºα«f”®α-

””-¹¹/4μαº

±²·αμfα|²¥

”·αS¶·.²¹¶

αμ,¥¶”””

S±α-·μ²³

¶”Sα¶-α³f|α³

²-±²·±αf±α¶

±²|αº

«·,²¶f-αSαμμαº

±²·a±-μ,¥

””-¹±””μª

®μ²¹/4fº±

-¹²±

μ²-¹/4α·

®|²μf””·-¹-

””-¹¶·±α-³

α·”-μαº

¶”-μα«|f”®α-

”ªα·μ²³

¶±α””μ²fº±

·μ²³º±

¶”-¹«fS±α-S²²º

”ª”®¶,·

S²²º-ª±”

²«

±

º-

·»

·»

·»

|α

|α

|α

|α

º-

ª”μºα±¹/4

-±

-±

·»

º-

³α

²±·αμ-²

|α

ªα

|α

αμ

·±

©-

α¹/2

©-

²μ

|α

·»

ªα

α,¶·μα-¹α

1.

α¹/2

¶|

±¹/4

º-

º-

αμ

|·

|α

ªα

-α

-±

-α

±|

|α

α-

±

—“œ

§~“~“

§~“~“

œ—~œ™

œ—~œ™

œ—~œ™

œ—~œ™

§~•”

®ªaf”ªTM

œ—œ“-

§”œ”

_____”

>~>

—§—>

¶αf~“—™

œ”-™—

->-

Sheet1

TM>š•œ•f>2¥f23	š ⁻ ·-© ^a ±-μ ³ ¶	1α	
">-f¥23	α±- ^a α¶	° ₋	
	® ⁻⁰ ¶±,μ¥f ⁻⁻⁻	±	š [~] •œ□•š>TM
	· ⁻⁻⁻ -1¶- ^o · ⁻⁻⁻	·>	œ [~] “š“
	α ^{a2} .αμα¶	α	
		²	
“1αf·©α·fšœ~	α·-α< ⁻⁰	®¶	
“œ•f ^{·-} ·,¶f [·] ®- ³ ±μ,·f [·] “ ^a š-μf®α ² f [~] —”	š±α ⁻ ®α ²	α	œ—TM”>
“œ•f ^{·-} ·,¶f [·] ®- ³ ±μ,·f [·] “ ^a š-μf®α ² f [~] —”	“ ^a š-μf®α ²	·±	-š>“
“±α ⁻ f®μ ^{a3} š ²²⁰ f f [~] ”œ	“ ^a š-μf®α ²	·±	-š>“
•“—f¥23	· ⁻⁻⁻ -1>±®	·±	-šœ•—
	α ^a αμ ^{2°}	α	œ— [~] TM
	± ⁰² .¶-μμ ^{2°}	±	
	· ⁻⁻⁻ -α ^{1/4} μμ [·] «	±	
	± ² .¶ [·] ·μ«<	¶	
	± ² .α± ⁻⁰ · ⁻⁰	š [·]	
““““f ^{·-} ·,¶f [·] □ ^{1/4} α ⁰ ·μ©f·¶ ^{·0} f« [·] , ² ¶f••-š	± ² .¶, ² «	·>	šš“š—
	« ¥f ^{1/4} αμ [·] š	© ⁻	
	± ² .¶, ² «	·>	
•~“•f>2¥f23fαf± ² -·α·¶	± ^a -α ^{3°} α<	- ⁻	TM”>·~□•“~•
œ—f¥23	¶ ² ·αf¶ ²	α	œ—“•—
	± [·] ,« [·] · [°]	°α	
—f ^{·-} ·,¶f [·] □š ^{a2} μf ^{1/4} ·,f“—”	αš¶ [·] « [·] ·¥	°š	
	“¶ ² f±α¶	α	œ [~] “••
	“¶ ² f±α¶	α	
·“·μ·¶f< μ,« f—TM”	α±α-š± ⁻	3α	“~š““
	¶ ^a ·1f¶ ^a -	±1	
“TM f>2¥f ^{·2} 3	2 ¶ ^a °	- ⁻	TM““>—
“TM f>2¥f23	2 ¶ ^a °	- ⁻	TM““>—
¶ [·] ·μ fμ ^{·02} · [©] 1/4α [°] f [~]	® ⁻⁰ ¶±,μ¥f ⁻⁻⁻	±	
f [·] ·¶fš ^{a2} μf [·] ·-α<±-μ ³ ¶f—•š	“12 f [·] · ⁻⁻⁻ α«	¶ ² ·,« [·] fα©μ- α	~“>
—f>2¥f ^{·2} 3	± ² ·,α·¶	1α	•——““
—f>2¥f ^{·2} 3	·μ«<® [·]	-±	—TM“~“□“““—
—f>2¥f ^{·2} 3	·μ«<® [·]	-±	—TM“~“□“““—
>•f>2¥f23	·μ«<® [·]	-±	—TM“~“□“““—
	α±-¶ ±α ⁻	±1/4	”——>•□“•->
	,α [·] ±,	α®	
	· ⁻⁻⁻ -1¶ [·] ±-α ^a	© ⁻	
	α- ⁻ -μ ²	2±	
	· ⁻⁻⁻ -1® ² μ	°š	
“1-μšfš±α ⁻ ·μ©f [~] œ	š-± [·]	2®	š-š““
« [·] ·-f« [·] , ² ¶f [·] ••	š-± [·]	2®	š-š““
—•+f [·] ·¶f [·] ·—f« [·] , ² ¶f [·] •š	1/4α [°] f ⁻ αμ [·] š [·] ©	°α	œ [“] —
·,± [·] 1αf ^{1/4} ·-¶μ [·] 1-±,f [·] f [·] TM”—	± ² .α± ⁻⁰ 22 [·] ¥	-±	—š——□—š-œ
	· ⁻⁻⁻ ·α [·] ¶	°α	
·,± [·] 1αfšμ ^{a02} <f TM •	· ⁻⁻⁻ ·α [·] ·	2μ	œš———
±μ,¥f [·] ·αμ¥f [·] ·>•	· ⁻⁻⁻ ·α [·] ·	2μ	œš——~
·“·μ·¶f [·] · [·] ·°α ⁻ - ⁰ f [·] ·“~	· ⁻⁻⁻ ·α [·] ·	2μ	œš——~
	α± ² ·α ³² «	±	

Sheet1

±f, ±1afff—TM”f~•”
 “”f”, ±1af«, TM”f□fš•—f□~f”·, ǵ

š~f¥23

α½α⁻³f”μα, ǵǵf±².ǵ”f“—
 α½α⁻³f”μα, ǵǵf±².ǵ”f“—
 ¼α⁰@μα³f”μα, ǵǵf±².ǵ”
 ·”μ·ǵf¼α³f·ǵ”ofš—
 ¼α⁰@μα³f”μα, ǵǵf±².ǵ”f“—

TM—f»2¥f²³
 “—f»2¥f²³
 ·μ, ²ǵfš²²⁰@ǵ²μf••~
 •—f¼α⁰«a~«fǵ, fœ”œ
 ‘ǵf·~°, ǵf±fš, TM
 š—f¼α⁰«f«·μ²±f—“
 šœf»2¥
 «, ²ǵf”¹~μšf!~±α⁻·af“•TM•

šTM>“TM”f»2¥f²³
 šμf”~“«!~μf”
 š“šf²²μf□ǵ³ǵǵ
 TM“”+fμ”·±!fμ, ²«f”~š~f~•“

—f»2¥f□·f”, ²μ
 ·”μ·ǵf«·“·f«·, ²ǵfœ•—

«·μ²±fš¹~¥f±²ǵš, «f—œTM
 šš—•TM•f»2¥f²³
 “¹~μšfš²²⁰@μ~@f□f•TM—
 “, ±¹αf¼±α⁰μ²±f~•”
 ·”μ·ǵf@”μ!f~”
 ±, μf@”μ!~¹ofTMœ•”
 a±~š~¹, ¥f”!~©²f”¹~¹, !”»”f”•—
 “, ±¹αf”μ”¹μf~—

>š>•f»2¥f²³
 —š—f»2¥f²³
 ‘šμf±²·±²«·fǵ@μ²⁰f@²²μ¥·ǵ”⁰

š±²⁰š”μ
 ¥αf□¼μα⁰α!
 °α«a±~¹αμ@
 “”ǵǵα«α~α·

“¹²μaf”~
 2aα!~α!
 ±².ǵ”
 ±².ǵ”
 ±².ǵ”
 μ”·ǵ”«!f·ǵ”⁰
 ±².ǵ”
 α·±α⁻·α
 š±α~¹¼α⁰
 —α¹, š
 2ǵα³f”~
 ·!³ǵ²μ³
 ±²·μ”¥μα¥
 α±α~α⁰, ²!
 ±²·μ”¹~²⁰
 2aμα@
 ±²·a±~¹αμ@
 @μα⁰·±
 2±~¹·μ”³, !
 @~α⁰μ²±
 □±²·a±~¹«ǵα⁰
 ±²·a±~¹»~
 2!α⁰
 a±~¹ǵǵ~¹α²¹¼⁰
 š, ¥·ǵ²μ
 “±¹¼α⁰f·μ²@
 2μ²¥f±²ǵ~¹⁰
 “aαμ²«!±α
 ~, a³f”, ǵ
 2a”~šf±αǵ
 “ǵ²f±αǵ
 μ”·ǵ”«!²μ
 μ”·ǵ”«!²μ
 μ”·ǵ”⁰
 μ”·ǵ”«!²μ
 αμ, ·±¹
 α·±α⁻·α
 š±²⁰«!~μ
 ±²ǵ~¹š”
 š±α~¹~¹!
 aμ, ¥ǵ”~
 °α«μ, š
 ¼~¹, ¼¼~¹αš
 šμ²@šμα¥

°α
 !α±αš
 °α
 ©~
 ±¼
 °~
 ~
 3α
 3α
 3α
 3α
 3α
 aα
 °α
 °α
 ·»
 @¹¼
 2«
 α~
 °±
 ±š
 !
 š”
 !α
 !
 š!
 @¹¼
 ·»
 3α
 ·»
 ~±
 3α
 α@
 °±
 !α
 !α
 ±¼
 ±¼
 ±¼
 ±¼
 !α
 aα
 1α
 ±
 2«
 ©~
 ±!
 !α
 , @

œ>”~•
 ·!f•αš
 ~_”••
 ”œ—”
 ”œ—”
 ”œ—”
 ”œ→“
 ”œ—”
 “šš>
 œ>”œ
 šœœ•
 —“œ
 —•“—
 ~”~
 ~TM~œ—
 ~”~
 œ~”TM
 “TM>”~
 •—š•
 —“~•
 šTM~š“□œ”~
 ”>—•
 ~”~œ
 œ•”•TM
 œ~”š
 ”~TM”œ
 ”~”~
 ”~TM”~
 œ—“~
 —š—œ
 œ—“~
 ¥š”f•»

Sheet1

	$\xi \pm \alpha^{-1} \otimes \alpha^2$	$\int \alpha$	
	$\eta^{-1} \alpha \otimes f \mu \alpha \xi^{-1}$	$\neg \alpha$	
	$\pm \neg \cdot \eta, \alpha$	$\cdot \gg$	
$\neg \text{“} \alpha \text{”} f \gg 2 \neq f^{23}$	$\frac{1}{4} \xi \pm \alpha \eta$	$\int \alpha$	$\gg \text{“} \alpha \text{”}$
	$\mu, \ll 3^{-1}, \eta$	$\frac{2}{\alpha}$	
		$2 \otimes$	
$\text{“} \mu \xi f \xi \pm, 2^{\circ}, \neg \neq f \pm f \sim \text{”}$	$\pm 2, \cdot \neg 33 \alpha$	$\alpha \neg$	$\sim \text{“} \alpha \text{”} \neg$
$\frac{1}{4} \alpha^0 f \cdot \alpha \alpha \neg \neg 1 f \xi^{-2} f \neg \text{“} \text{”}$	$\mu \alpha^0 \eta \xi^{-2}$	$\odot \neg$	$\text{“} \text{TM} \xi \xi$
$\text{“} \xi^{-1} \neq f \pm 2 \eta \xi, \ll f \text{“} \text{TM} f \square \int \int \int f', 3 \cdot \xi$	$\neg \alpha \xi \otimes \alpha^2 f \ll \cdot \mu^2 \pm$	$\alpha \pm$	$\sim \text{“} \text{”} \alpha$
	$\xi \pm 2^{\circ} \ll \neg \mu$	1α	
$\text{“} \cdot \text{TM} \alpha \text{”} f \neq 23$	$\xi \pm \alpha \neg \cdot \mu^{23}$	2μ	$\alpha \xi \bullet \text{”} \alpha$
	$\cdot \neg 2 \mu \cdot \neg \xi$	$\alpha \neg$	
$\text{“} \cdot \eta f \neg \mu \alpha^0 \mu^{-1} \neg \alpha f \alpha$	$\alpha \eta \pm f \pm 0, 0 \cdot \pm$	$\alpha, \eta \cdot \mu \alpha \neg \neg \alpha$	$\bullet \text{“} \text{”} \bullet$
	$\mu, \eta f \alpha \neg \neq$	$\int \alpha$	
$\xi > \alpha \sim f \neq 23$	$2 \pm \eta \neg \mu \odot$	$\int \alpha$	$\alpha \xi \sim \xi \sim$
	$\otimes \mu^{2 \frac{1}{4}} f 0 \cdot \pm$	$\pm \frac{1}{4}$	
$\text{“} \neg 1 \neg \mu \xi f \neg \alpha \mu \mu \alpha^3 \alpha \ll \int f \text{“} \text{”} \bullet$	$\eta \int \neg \neg 2 \int f', \odot$	$\int 2$	$\gg \text{“} \bullet \text{TM}$
$\text{“} \neg 1 \neg \mu \xi f \neg \alpha \mu \cdot f \text{TM} \text{“} \text{”} \neg$	$\eta \int \neg \neg 2 \int f', \odot$	$\int 2$	$\gg \text{“} \bullet \text{TM}$
$\text{“} \pm 1 \alpha f \cdot \mu \neq \neg f \text{“} \text{”} \text{”}$	$\xi \pm \alpha \neg \neg 12 \neg$	$\int 2$	$\gg \text{“} \neg \xi$
$\text{“} \mu \cdot \eta \int f \ll \cdot \neg f \cdot \eta \text{”} \alpha f \bullet \text{”} \alpha$	$\xi \pm \alpha \neg \neg 12 \neg$	$\int 2$	$\gg \text{“} \neg \xi$
$\text{“} \int \alpha \neg 3 f \cdot \eta \text{”} \neg f \text{”} \alpha \pm f \text{”} \text{TM} \text{“} \text{”} \neg$	$\neg \eta \neg \mu \pm, \eta$	$\odot \neg$	$\text{“} \text{”} \sim$
$\text{“} \int \alpha \neg 3 f \cdot \eta \text{”} \neg f \text{”} \alpha \pm f \text{”} \text{TM} \text{“} \text{”} \neg$	$\neg \eta \neg \mu \pm, \eta$	$\odot \neg$	$\text{“} \text{”} \sim$
$\text{“} \neg \int \mu \neg \int f \frac{1}{4} \pm 2 \neg 2 \int f \text{“} \text{”} \alpha \xi$	$\int \alpha \mu \alpha^0 \alpha \cdot$	$\odot \neg$	$\text{“} \text{”} \bullet$
		$\alpha 1$	
	$\mu \neg 12 \mu^a$	$\pm \int$	
	$\pm 2, \eta 2 \neq$	$\alpha \alpha$	
	$\ll \alpha, \alpha \eta \eta \neg$	$\alpha \alpha$	
$\text{“} \text{”} \xi \alpha^2 \mu f \frac{1}{4} \alpha \neq f \eta \neg 1 \alpha \xi f \square \text{”} \neg f \mu' \mu$	$\int \neq f \square \cdot \neg \ll \int \eta$	$\int \alpha \pm \alpha \xi \alpha$	$1 \text{“} \pm f \neg \alpha \text{”}$
	$\pm 2, \neg \neg \alpha$	$\pm \frac{1}{4}$	
	$\otimes \int \alpha^0 \alpha^2 \int$	$\pm \frac{1}{4}$	
	$\neg \cdot \cdot \alpha \cdot \eta$	$\alpha \alpha$	
	$\cdot \cdot \alpha, \neg \int \eta$	$\alpha \alpha$	
	$\pm 2, \alpha \pm \neg \mu \alpha$	$\cdot \gg$	
	$\otimes \mu^{2 \frac{1}{4}} f 0 \cdot \pm$	$\pm \frac{1}{4}$	
	$\text{“} \otimes \alpha \text{”} 3 \alpha \eta \neg \ll \int$	1α	
$\text{“} \text{“} \text{TM} f \gg 2 \neq f \text{”} 2 \cdot 3$	$\neg \alpha 1, \xi$	$\alpha \alpha$	$\alpha \xi \text{”} \alpha \xi \square \text{”} \text{TM} \text{“} \text{”}$
$\text{“} \mu \cdot \eta \int f \neg \neg f \text{”} \alpha \eta \int f \sim \alpha \sim$	$\pm 2 \cdot \mu \text{”} 1 \alpha \cdot \neq$	2μ	$\alpha \xi \text{”} \text{”} \text{”}$
$\text{“} \mu \cdot \pm \int f \neg \alpha \neg \int \mu \text{”} \alpha^2 \int f \text{”} \bullet$	$2 \mu 2 \neq \gg 2 \mu$	$\int \neq \int$	$\ll \int \frac{1}{4} f \neg \otimes \text{TM}$
	$\alpha \pm \neg \mu^3 \eta \mu \neg 1 \neg \eta$	$\alpha \xi$	
$\xi \alpha^2 \mu f \text{”} \int \neg \odot \odot 2 f \cdot \eta 23 f \xi^{-2} f \text{”}$	$\alpha \pm \neg \mu^3 \eta f \mu \neg 1 \neg \eta$	$\alpha \xi$	$\bullet \text{“} \alpha \text{”} \square \text{”} \text{”} \text{”} \neg$
$\int \text{”} \bullet \cdot f \cdot \eta \int \square \xi^{-1} \neq f \neg \neg \ll \cdot 22 \odot f \bullet \text{”} \text{TM} \bullet \bullet$	$\xi \mu \alpha^0 \frac{1}{4} \alpha \ll$	$\int \alpha$	$\alpha \xi \text{“} \sim \text{”}$
$\xi \alpha^2 \mu f \xi \pm \alpha \neg \ll \int \mu f \text{”} \alpha \xi \neg$	$\pm \alpha \ll \cdot 2 \xi$	$\alpha \neg$	$\neg \text{TM} \text{“} \text{”} \neg$
	$\alpha \mu, \neq \eta \neg \mu \mu \alpha \ll$	3α	
	$\alpha \eta \text{”} \alpha$	$\alpha \frac{1}{2}$	
$\text{“} \bullet f \gg 2 \neq f^{23}$	$\mu^2 \cdot \pm \text{”} \alpha$	$2 \ll$	$\text{“} \text{”} \text{TM} \text{”}$
	$\eta \neg \neg 23 \alpha \pm \pm \alpha$	$\alpha \xi$	
$\text{“} \neg 1 \alpha f \neg \alpha \pm 2 \neg \cdot \alpha \pm f \text{”} \alpha \text{”} \text{TM} \text{”} \gg$	$\eta \neg \neg \alpha f \cdot \eta \text{”} \alpha$	$\alpha \neg$	$\sim \bullet \bullet \xi$
		3α	

Sheet1

Š~"f»2¥f'2'3	¶,¶,¶¶¶	±	"Š"œ™□"~Š
—Š"faš~¥f□1/4a°f·μ23μ~af"š~	2~—μa°a!	!a	œ—""
		a~	
	š~—©°22~¥	±	
ša2μf±'š±1/4~f~••—f«·μ2±	~·a©aμf±a¶¶	!a	œœœ"•š
™"f»2¥f23	¶šμa«!μ2f¶¶~.2	°a	">>~•
	·!f«·, 2°±2°	±	
"°¶¶¶šμa«!~μf"~•	š220±""μa	~±	—œ~"—
—f»2¥f23	¶š~3aμfš±aμa	°~	
	1/4·~!~@a~·~a¶¶	,·	"~—•
	2μ2¥«·μ2±	°a	
	«3~2š±aμ	±	
~™—f»2¥f'2'3	1/4·~!f±2~±,	a°	—"•œ"
μ~·±~!f'3°2!f'ša!af~μf©2f1/4·~¶μ~1~±,	±2·¶a±~@	μ~	"•>)"
~—aμ·fš±a~1/4a°f""	·~¶±a°aμμa±	μ~	"•>•
"~±~1af±μ~·¶~°f«·, 2¶¶f~>š"	a±~šμa°	!a	œ"•—>
	~¶~2¥	~š	
	š220±""μa	~±	
°~1f1/4~—a1fšš	a, a33a«!	±1/4	"~"—
	¶~—23a±±a	°š	
"~—f»2¥f'2'3	·±23, š	°a	œ>—š□"—""
	~¶2f±a¶¶	!a	
	šμ2©»2	°~	
"~1~μšf a~—«ašfœ"—~	¶~—~a±a¶¶2~	!a	œ""—"
~"•†f□aš~°a~af·¶a"š"•	@±a¥μ, ¥	!a	œ~"•
	~—~1šμ°~	a°	
	~—~1·±2°	±	
™~—"f¥23	~—~1¶·±,«	a~	~>)"
	~±~—~¥a	·»	
	μ~·¶¥°	°a	
·~"μ·¶f~μ2±~š" f•—	·±, 2°·¶2μ	~μ~—a±šf¥·	"~"—□·™—ššœ
š±2¥f»"œ	@μa3fš±a~μ~12	@¶¶	™™™·"—
	±2·~"«¶¶	!·	
>"~—□«!f"—	~±μ~¥	¶°~1/2~μ~a±	
	~—~1¶~1/43	°š	
	~—~1/4μμ~«!	±	
		3a	
	~±~!aμ	°~	
"~1af«¶, ¥·a~©f"">"	±1/4~@22μ¥	±1/4	"~"•""
	š±a~±~1	±	
·~"μ·¶f~±a~3fš~—	±02·~šš~°	3a	"š~š
"~1~μšf·±2°μ~a©f~œ""	aμ, ¥¶~μμa«	3a	"š~"•
"~¶¶f~"~μ·¶f«~"~f□f~"~>	¶š~3aμfμaš~!	~a	~—"
·~"μ·¶f~°~1/4f~"—	1/4·~!f a°2~	~a	~••—"
ša2μf·¶23f™"—	1/4·~!f a°2~	~a	~••~
—™f»2¥f□—†f'μ'μ	±2~2¶¶	~a	~—
"¶f'~1~μšf°~1f1/4~—a1f~œš>	~—~1¶·±,«	a~	~>•
	~μ, a~	°š	
š—f»2¥f23	š~—©«!~μ	2«	—•>™□"—š

Sheet1

<p>§"•f»2¥f'2'3 §a2µf32. —~«</p> <p>TM†f1/4a°fα.¶1-1f21/4a¥f'"" ·¶'°f.··µ.¶f§±2'¶f§—"</p> <p>!f±2-α.¶f—"§f»2¥f'23</p> <p>—~§f¥23</p> <p>·1afαµ,·a§f"•œ~ ·¶f«!2-α.±af'""•TM</p> <p>·¶f1/4.¶1-µ«!f'""— »TMf»2¥f'2'3</p> <p>œ"•TMf»2¥f'23</p> <p>···µ.¶f'····°-¶1-@f"TM TM</p> <p>TM""f'·-¶f'S1~¥f@α2f.¶23f'""•" TM""f'·-¶f@α2f.¶23f'""•" —"•†f'S1~¥fα'µaf1/4a¥f'""~" TM""†f'·a§-µ±'µaf'""—</p> <p>—""TM" f¥23 §~"TM f»2¥ §~"TM f»2¥ §~"TM f»2¥ ···µ.¶f±-α°f"œ~ff'f'µ'µ """"f±2-α.¶f-α°f□""µf a§~¥f□TM•—•œf¥23</p> <p>'S1~¥f—~«.22©f.¶a'f'~</p>	<p>µ2¥µα«f±2.±'¥ «3'¶2f.±-α¶ ···¶2µ ·—-1¶1-, 2- ¶@±α¥µ-α© ··α©αµf±α¶ —α°±µ2' 2.±2µ2.</p> <p>±'1α«µ'·±-0 §22α1/4—2« ¶°-α3fœ• §±α-@α2 ·—α11/4±±, ¶ ·¶2f±α¶ µ'·¶'«!</p> <p>·±2°··µ© 1/4±'°-α§ ·—·α'¶ ·—-1¶1-·¥ ·—-1'·2-µα«! aµ, ¥¶@!α-¥ ·¶2f±α¶ ·—-1¶1-, 2- «α±'± ¶a±-µ3¶f2§αµ2-2' 1/4µ'°2a.±2° @±α¥µ, ¥ ·—α§±'—a §µ2©·µα«f0'± α3°α. ±'1α«f±±1/4- §-·-@a±-µ3¶ ±2.¶, 2« ±2.¶, 2« ±2.¶, 2« ±2.¶, 2« ±2.~¥ ·—-1¶1.±, « ±2.¶a±-@ ±2.¶a±-@ ±2.¶a±-@ 1/4°·µf'.¶ ¶'·—'a±αf¶2- ±2¶@!α '¶f±02.0'± α±2°23 §22αa±2-</p>	<p>°- °- ± @1/4 α@ !α 2± !α±α§α !. ©- ©- !α !α !α !α ±1/4 !α ¶@ °α °§ 1α 1α !α @1/4 °- !2 α- !α !α !. ©- ©- - ·» ·» ·» ·» °2 α- ±1/4 ±1/4 ±1/4 ±1/4 !α °¶ 3α !α ©-</p>	<p>—œ"••□"•"§ —œ">~ œ—œ"" @TM f"• °TM f-¶" —>— —>— —>— —>— œ—~→ ¶"®f"" >"œTM•□"•"œ —TM"TM §§"~TM §§"~TM §§"~> §§"~§ ~>"• "·—"" "·—"" "·—"" "·—"" œ""œ œ"§TM§</p>
--	---	--	--

Sheet1

$\dots f \gg 2 \neq f^{2'3}$	$2^a \alpha \downarrow \ll \downarrow$	\neg	
" $\cdot \text{TM} f \gg 2 \neq f^{2'3}$	$2 \uparrow \uparrow \neg \downarrow \pm \alpha \mu \odot f \pm \alpha \uparrow$	$\downarrow \alpha$	$\alpha \text{---} \dots$
" $\alpha \uparrow f \square \dots \mu \cdot \uparrow f \mu \cdot \text{TM} \dots \neq f \dots$	$\alpha \text{TM} \mu \dots$	$\downarrow \alpha$	$\alpha \text{---} \dots$
" $\cdot \text{TM} f \gg 2 \neq f^{2'3}$	$\text{TM} \mu^{2/4} f \text{---} \pm$	$\pm 1/4$	$\dots \cdot$
" $\cdot \text{TM} f \gg 2 \neq f^{2'3}$	$\alpha \cdot \pm \alpha \text{---} \alpha$	$\alpha \alpha$	
$\alpha \text{---} \alpha f \gg 2 \neq f^{2'3}$	$\alpha \text{TM} \mu \dots$	$\downarrow \alpha$	$\alpha \text{---} \dots$
	$\alpha \text{TM} \mu \dots$	$\downarrow \alpha$	$\alpha \text{---} \dots$
	$\uparrow \neg \neg 2^3 \alpha \pm \alpha \neg \text{S} \pm \neg$	$\neg \pm$	
	$\text{---} \neg 1 \cdot \uparrow \mu^2 \odot$	$\downarrow \alpha$	$\alpha \text{---} \text{TM} \square \text{---} \alpha \text{---} \alpha$
		3α	
	$\text{---} \alpha \text{---} 2 \uparrow \cdot \uparrow$	3α	
$\cdot \downarrow f \alpha \pm \alpha \mu \alpha f \text{---}$	$2^0 \alpha \text{---} \alpha$	$\downarrow \alpha$	$\alpha \text{---} \dots \text{S}$
	$1/4 \mu \dots 2 \alpha \cdot \pm 2^0$	$\alpha \text{---}$	
	$\pm 2 \cdot \alpha \pm \neg \ll \uparrow \alpha^0$	$\text{S} \downarrow$	
" $\cdot \sim f \neq 2^3$	$\pm 2 \cdot \alpha \pm \neg \ll \uparrow \alpha^0$	$\text{S} \downarrow$	$\alpha \cdot \text{---} \dots$
" $\gg f \gg 2 \neq f^{2'3}$	$2 \pm \neg \text{S} \alpha \pm \mu \cdot \neq f \pm \alpha \uparrow$	$\downarrow \alpha$	
	$\mu \cdot \alpha \uparrow \text{---} \text{S}$	$\alpha \alpha$	
$\cdot \sim \cdot f \gg 2 \neq f^{2'3}$	$\uparrow \uparrow \mu^{3/4} \downarrow$	$\cdot \gg$	$\text{S} \text{---} \dots \alpha$
$\cdot \sim \cdot f \gg 2 \neq f^{2'3}$	$\pm 2 \cdot \alpha \pm \neg \circ 22 \text{---} \neq$	$\neg \pm$	
	$\uparrow \neg \neg 2^3 \alpha \pm \alpha \neg \text{S} \pm \neg$	$\neg \pm$	$\text{---} \text{TM} \alpha \text{---} \text{TM}$
	$\uparrow \neg \neg 2^3 \alpha \pm \alpha \neg \text{S} \pm \neg$	$\neg \pm$	$\text{---} \text{TM} \alpha \text{---} \text{TM}$
	$\uparrow \neg \neg 2^3 \alpha \pm \alpha \neg \text{S} \pm \neg$	$\neg \pm$	
$\neg \uparrow f \text{S} \mu f \dots 3 \alpha \downarrow f \text{S} \text{---} 2 f \text{---} \text{---}$	$\pm 2 \uparrow \uparrow \alpha$	$\circ 2$	$\text{TM} \text{---} \text{S} \text{---}$
	$\alpha \pm \neg \text{---} 2 \mu \alpha \downarrow$	$\mu \neg$	
	$\text{S} \pm \alpha \text{---} 1 \cdot \text{---} \downarrow$	$2 \ll$	
	$\text{---} \alpha \text{S} \pm 2 \neq \mu \alpha \downarrow$	\neg	
	$\pm 2 \cdot \pm \mu \cdot$	\pm	
$\pm 2 \neg \cdot \alpha \cdot \uparrow f \alpha \neg \mu^2 \cdot \downarrow 1 f \square \text{---} f \gg 2 \neq f^{2'3}$	$\text{---} \alpha \mu \cdot \pm 2^0$	$3'$	$\ll \text{---} 1/2 f \cdot 1/4 \text{TM}$
" $\alpha \cdot \square \downarrow f \dots \uparrow f \square \text{S} \mu f \ll \uparrow \mu \alpha^0 f \text{---} \text{TM} \alpha \text{---}$	$\text{TM} \mu \alpha^3 f^2 \text{---} \pm \circ$	$\downarrow \alpha$	$\alpha \text{---} \dots$
	$\text{---} \pm \alpha \text{TM} \text{---} \uparrow$	$\alpha \alpha$	
	$\text{---} \alpha \text{S} \uparrow \dots 2 \uparrow \uparrow$	$\alpha 1/2$	
" $\alpha \text{---} f \dots \neg \uparrow f \uparrow \uparrow 1/4 \alpha^0 \mu \neg \alpha \odot f \dots \ll \cdot f \text{S} \text{---} \text{TM}$	$\pm \alpha^2 \cdot \pm \neg \text{TM} \text{---}$	3α	$\text{---} \alpha \text{---} \text{TM}$
	$\cdot \uparrow \mu \cdot \ll \pm \text{---} \text{S} \pm \neg$	$\pm 1/4$	
	$\uparrow \alpha \text{---} \alpha \text{S}$	$\cdot \gg$	
$\text{---} \text{TM} \alpha \cdot f \dots \neg \uparrow f \alpha \pm \neg \text{S} \neg \neg \neq f \uparrow \uparrow \mu^3 f \text{---} \alpha \pm 2 \neg \cdot \alpha \pm$	$\pm 2 \cdot \alpha \pm \neg \ll \uparrow \alpha^0$	$\text{S} \downarrow$	$\dots \text{---}$
$\text{---} \text{TM} \alpha \cdot f \dots \neg \uparrow f \alpha \pm \neg \text{S} \neg \neg \neq f \uparrow \uparrow \mu^3 f \text{---} \alpha \pm 2 \neg \cdot \alpha \pm$	$\pm 2 \cdot \alpha \pm \neg \ll \uparrow \alpha^0$	$\text{S} \downarrow$	$\dots \text{---}$
$\text{---} \text{TM} \alpha \cdot f \dots \neg \uparrow f \alpha \pm \neg \text{S} \neg \neg \neq f \uparrow \uparrow \mu^3 f \text{---} \alpha \pm 2 \neg \cdot \alpha \pm$	$\pm 2 \cdot \alpha \pm \neg \ll \uparrow \alpha^0$	$\text{S} \downarrow$	$\dots \text{---}$
" $\circ \pm f \dots \mu \cdot \uparrow f \dots \dots f \text{---} \text{---} \alpha \text{---} \alpha \text{---} \alpha \text{---} \alpha \text{---} \alpha \text{---} \alpha$	$\pm 2 \cdot \alpha \pm \neg \ll \uparrow \alpha^0$	$\text{S} \downarrow$	$\dots \text{---}$
	$\cdot \mu^{23} \dots \mu \odot$	$\pm 1/4$	
$\neg \uparrow f \ll \text{---} \dots f \cdot \uparrow \text{---} \alpha \text{---} \text{---}$	$\text{---} \pm \alpha \dots$	2μ	$\alpha \text{---} \text{---}$
	$\text{S} \pm 2^0 \ll \downarrow \neg \mu$	1α	
	$\pm \alpha \text{---} \downarrow \circ$	1α	
" $\sim f \neq 2^3 f \square \neq \downarrow f \mu \dots \cdot 3^0 2 \uparrow f \pm 2 \cdot \uparrow \text{---} \mu \alpha \ll \downarrow$	$\pm 2 \cdot \uparrow \text{---} \mu \alpha \ll \downarrow$	$\uparrow \downarrow$	$\cdot \alpha \text{---} \dots \square \text{---} \dots$
$\text{S} \neg \neq f \uparrow \alpha \cdot \neg \pm \neg \downarrow \pm \text{---} f \text{---} \dots \square \text{---}$	$\uparrow \alpha \cdot \neg \pm \neg \downarrow \pm \text{---}$	$\downarrow \alpha$	$\alpha \text{---} \dots$
	$\alpha \pm \neg 1 \mu \neg$	$\cdot \gg$	
	$\text{---} \dots \alpha \text{---} \uparrow$	$\alpha \alpha$	
		$\pm 1/4$	
	$\mu \dots \uparrow \dots \ll \downarrow \mu$	$\pm 1/4$	
	$1/4 \pm \alpha \neq \alpha$	$\alpha \alpha$	

Sheet1

·...μ·flf...a±αμ²f...flf~•	·μα,·fl	©	—œœš
-šf»²¥f'²³	~fl-fμ...š	o·	"_TM•š
>"-f»²¥f'š'©'μ	~fl-fμ...šf...~	o·	"_TM~"
>"f»²¥f'²³fa,μ'~f²!	š±α~μ²	o·	"—š•
	fl·'³α!	³μ	
	μ'·fl'« ±α°	·	
	š±α~·®α~	©	
	fl·«f·μ'¥,«	2«	
	~1fl'±α	o~	
š>—f»²¥	±·š²	,·	>—"œ
	α·fl, a, α	αα	
	α~μš±α»~α	1α	
š²μf¼/4α°·μ²«flf~"	·±²°~¥	1α	œ—""•
·,±¹αf~¥~af™••	»±²μ¥	±¼/4	"_TM•
~±α~f°α«±αμ¥f—••	~fl²f±αfl	1α	œ~•—
"™~"f»²¥f'²³	α±²μ²!	1α	œ"š">
š²μf~μ~«flšμ²~	±²fl~š²	o~	~š"œ
	š²²°«·μ²±	2«	
·μ,²!f®α²f~¹²šf>~""	²±~·μ'³,!	1α	œ~""—
>→f~·flf□1αfα~²±αα°f«·²flf~"	°~"«α±α	1α	œ•"—
·...μ·flf~¹α~!fœ">~"	~1®!²μ	°š	•">~
~¹αf¼/4±α~¥f±f—™~""	š±~fl-fflš±«²	fl!	
	²±~·μ'³,!	1α	œ~""—
	·μ²³°~±	®¼/4	
flμ~¼/4¥f«·μ²±fœ"•	±~³²	°2	TM_>""
·,±¹αfš±α~«~α~f—•—	±~³²	°2	TM_>"—
~™>f»²¥f□œf~·,²μ	±~³²	°2	TM_>"—
"š~"f»²¥f²³	±²·a±~μαf~	°α	"•"š—
"~†f□f«·²flf~·,±¹αf«·š"ff~—~	¥αf□¼/4μα~α!	1α±αš²α	·αf"μ—
>→f¥²³	¼/4~flμ'¹~±,f~·α·fl	αμ	š~™š
	®³f~fl²μ	±	
œ"œf»²¥f'²³	š±~fl±°²·f·μ²³	°α	œ>~™>
	±·š°α!	±¼/4	
""~†f□·flf~μ,α~f••	fl²~μα!f±αfl	1α	œ—"š"
~¹~μšf°²~²«f·~®!~μ!f—š"	±~·fl,α	·»	š>š~>
·...μ·flf©©~!f™œ"	±~·fl,α	·»	š>š~"
>š>f»²¥f'²³	~α1f~š	·»	š>™š
>""~†fš²μf²!±α~¥f™••š	²~±²·±αf±αfl	·»	š>™š
	flª±~μ³flf~·¥	°2	
""~†f~±α~f·fl°f±f¥□>~•	±²·®!²·fl	1α	œ~•~"
•""f»²¥f²³	~1fl~·μα¥	2®	š~""~
·,±¹αfα~±~!fα~f~™•	fl~ª±αffl²~	1α	œ""—
~™~"f»²¥f'²³	š~·©flμ~®α¥	1α	œ→œ
">š·f»²¥f'²³	š~·©flμ~®α¥	1α	œ—"~
">š·f»²¥f'²³	š~·©flμ~®α¥	1α	œ—"~
">š·f»²¥f'²³	š~·©flμ~®α¥	1α	œ—"~
>"†f□~·,±¹αf~·μα°~šf~"	š~·©flμ~®α¥	1α	œ—"œ
~¹~μšfš±α~·«flf™œš	š~·©flμ~®α¥	1α	œ—"œ
	š~·©flμ~®α¥	1α	

Sheet1

	$\pm 2. \uparrow, 2 \ll$	$\cdot \gg$	
	$\dots \neg 1 \cdot \textcircled{R} 22 \uparrow$	$\cdot \pm$	
	$\dots \pm 2. \uparrow \uparrow \text{S} \alpha^{-a}$	$\circ 2$	
	$\mu \cdot \uparrow \cdot \ll \uparrow^2 \mu$	$\pm 1/4$	
	$\neg \circ \alpha \neg \circ$	\textcircled{C}	
$\dots \mu \cdot \uparrow f \ll \neg \cdot \uparrow \cdot \uparrow \circ f \rightarrow$	$\textcircled{R} \mu^{21/4} f \circ \pm$	$\pm 1/4$	$> \dots$
	$\text{S} \dots \neg \textcircled{C} \uparrow \pm \alpha \circ$	$2 \ll$	
$\dots \mu \cdot \uparrow f \ll \cdot \mu, 2 \textcircled{C} f \cdot \uparrow \circ f \cdot \neg f \square \neg \text{oe} \sim f \mu \circ \alpha \mu \text{S} f^{23}$	$\circ \cdot \neg \alpha \uparrow \square \pm 2. \uparrow \pm \neg \circ$	$\pm \uparrow$	$\cdot \text{S} \dots$
$\text{S} \mu f^{02} \text{S} \alpha \dots f \cdot \neg \alpha \cdot f \text{oe} \cdot \cdot$	$\pm \mu, \neq, \alpha$	$\uparrow \alpha$	$\text{oe} \sim \text{TM} \dots$
		3α	
	$a \pm \neg \ll \uparrow, \neg \textcircled{C}$	$\pm 1/4$	
	$2 \uparrow \alpha 3 f \dots$	$\cdot \gg$	
	$\mu \cdot \uparrow \alpha \uparrow \pm \alpha \neg$	3α	
$322 \neg f \alpha \cdot \uparrow \neg 1 f \text{oe} > \text{oe} \sim$	$\uparrow \uparrow^2 f \pm \alpha \uparrow$	$\uparrow \alpha$	$\text{oe} \sim \cdot \neg \square \text{oe} \text{oe} \sim$
	$\dots \mu^2 \pm \neg \uparrow \dots f \cdot \textcircled{R} \alpha \neg$	$\uparrow \alpha$	
	$\neg \mu$	3α	
$\dots \uparrow \alpha \mu^a f \neg \sim \neg$	$\dots \pm 1/4 \alpha \circ$	$\circ \neg$	$\rightarrow \dots$
	$\pm \mu, \neq, \alpha$	$a \alpha$	
		$a \alpha$	
	$\mu \cdot \uparrow \alpha \uparrow \pm \alpha \neg$	$\uparrow \alpha$	
	$\dots \mu \cdot \neq \alpha$	$\pm \circ$	
	$a \pm \neg \uparrow \pm \alpha \neg f \cdot \uparrow \alpha \dots$	$\circ \neg$	
$\cdot \cdot f \alpha \uparrow f \cdot \uparrow \alpha \neg 3 f \cdot \uparrow \neg 3 \alpha f \cdot \cdot \rightarrow$	$\uparrow \alpha^a \cdot 1 f \uparrow \alpha \neg$	± 1	$> \text{oe} \dots \text{S}$
$\cdot \cdot f \alpha \uparrow f \cdot \uparrow \alpha \neg 3 f \cdot \uparrow \neg 3 \alpha f \cdot \cdot \rightarrow$	$\uparrow \alpha^a \cdot 1 f \uparrow \alpha \neg$	± 1	$> \text{oe} \dots \text{S}$
$\cdot \cdot f \alpha \uparrow f \cdot \uparrow \alpha \neg 3 f \cdot \uparrow \neg 3 \alpha f \cdot \cdot \rightarrow$	$\uparrow \alpha^a \cdot 1 f \uparrow \alpha \neg$	± 1	$> \text{oe} \dots \text{S}$
	$\dots a \alpha \cdot \mu^{23}$	$\neg \pm$	
	$\pm 1/4 \dots f \pm \dots a$	$\neg \neg$	
	$\uparrow \neg \neg 23 \alpha \dots \pm \pm \neg \circ$	$\circ \pm$	
$\alpha \sim \text{TM} \dots f \gg 2 \neq f \square \dots \uparrow f \cdot \mu$	$a \pm \neg \pm \mu^2 \uparrow$	$a \mu$	$\text{S} \dots \cdot \cdot$
$\dots \pm \neg 1 \alpha f \circ \neg 1 \mu \neg 1 \mu f \rightarrow$	$\alpha \cdot \pm^2 \pm^2$	$\pm 1/4$	$\dots \cdot \alpha$
$\rightarrow \cdot \cdot f \gg 2 \neq f^{2:3}$	$\alpha \cdot \pm^2 \pm^2$	$\pm 1/4$	$\dots \cdot \alpha \square \sim \cdot \rightarrow$
$\dots \text{S} f \gg 2 \neq f^{2:3}$	$2a \cdot 2$	$\pm 1/4$	$\dots \cdot \sim$
		0α	
	$1/4 \mu \mu \dots \text{S} \pm^2 \text{S} \pm^2 \neg$	$\pm \ll$	
	$\alpha \pm \pm \dots \neg 1$	1α	
	$\pm \pm, \text{S}$	1α	
$\dots \text{S} > f \neq^{23}$	$\textcircled{R} \neg 2 \textcircled{C} \mu^2 \pm$	1α	$\cdot \neg \dots$
	$\pm 2. \textcircled{C} \neg \uparrow$	\pm	
	$\dots \neq, \mu \cdot$	$\uparrow \cdot$	
$\dots 1 \neg \mu \text{S} f \dots \text{TM} \dots$	$2 \uparrow \uparrow 202$	$\circ \neg$	$\rightarrow \dots \text{TM} \text{S}$
	$\pm 2 \uparrow \text{S}, \ll$	\textcircled{C}	
	$\dots \dots 3 f \cdot \uparrow$	\textcircled{C}	
	$1/4 \dots \alpha^1 \textcircled{R} \mu \alpha \circ \pm$	$\pm 1/4$	
	$\text{S} \dots \mu \textcircled{C} \uparrow \pm \neg \mu^3$	$\circ \text{S}$	
	$2a \alpha \uparrow \neg \ll \uparrow$	$\neg \neg$	
	$\dots \mu, \alpha \neg \cdot \circ$	\pm	
$\dots \mu \cdot \uparrow f \dots 3 \alpha \circ f \cdot \uparrow \circ f \dots \text{TM}$	$a \pm \neg \uparrow \pm \alpha \neg$	$\circ \neg$	$\rightarrow \text{oe} \text{TM}$
$\dots 1 \neg \mu \text{S} f \dots \pm \neg \mu \dots \alpha \uparrow f \rightarrow \text{oe} \cdot$	$\mu \cdot \alpha \circ \mu \alpha \neg \uparrow$	\textcircled{C}	$\dots \text{TM} \dots \text{oe}$
	$\text{S} \pm \alpha \neg \mu^2$	$\circ \cdot$	

Sheet1

"f¶,f%of—" — f·:µf□1af",1·"¥fš"

'SµfS220·.¶f"'"

TM~S" —•f»2¥f'2'3

TM~S" —•f»2¥f'2'3

TM"~"f»2¥f'2'3

µSf"12µaf1/4µµ"«|f•-š"

¶"µ«|f·¶"°f—" —

—""±†f□'0'±f·"µ·¶f«,""f□f" —

¶·Sf~"»f»2¥f'2'3

¥f·:¶,¶f"¥2µfaS-1f2±-°a|f~—œ"

"TM"†f□·"µ·¶f±a°@|af>š>

—TM—"f»2¥f'2'3

"1-µSf"~a·±-1f"•

—~"f»2¥f'2'3

·"µ·¶f±2·-°a«f•œš

·"µ·¶f±2·-°a«f•œš

·"µ·¶f¶«|2±·f-šTM-

"±1af±a1-1/4¶f — f'±-†f□2±,µ¥f'α'«

"1-µSf·,±¶"«|f"'"

µ2±1¶2µaf">-

"±1af" S-¶f~"«f~TM

š — f»2¥f'23

š — f»2¥f'23

"±1af~"~af¥□~TM>"

"±1af~"~af¥□~TM>"

"±1af~"~af¥□œ"œ~"

"±1af~"~af¥□~TM>"

"1afα-±µ2©-~a|f"'"

"—šf·:¶,¶fSf"~@µSf"~f"'"

α1/2α-3f1/4α°S-°fš•

S±α·µ23

~S±±'3

1/4·-|f±2¶µa|

¶,¥°,~2|

a|a«·-~

~-1@|2µ

¶f~«3°~°

¶f~«3°~°

S±α-¶f~µ'µ'°

aµ,¥¶f~·-αa

±a-α3°a«|

α·±α·α

α«α°2

«a-~αµ

Sα¥¶f~µa|

±2a|f~

±2±a¥~

µ2¶S±-°f·¶a"

¶a°,¶

±-~@±αµ©

·¶µ"°2¶

~-1«¶a±

αµa'f~α·±a¶

¶©©-~|fS220~"~a±"

'3f□'©µ,šSf~-α¥

'3f□'·°f□·±,2°·¶"

'3f□'µµ"-3f',¶f~"-1

«|¥f~α-±-αµ-1

S~"~©«|~µ

-12±

¶f·«a~"«f~αS±"-~|a«

¶f·«a~"«f~αS±"-~|a«

¶f·«a~"«f~αS±"-~|a«

¶f·«a~"«f~αS±"-~|a«

«aµ,¥0'±

1/4·-|f~α~2

·µ23µ'±'3¶

α±2µ'1

»±2µ¥

@|~µ'S"µ©

µ·α°µα~|

S~"~©¶±α°

2·-αf2-α3

±-¶,¶,α

¶f±-~2|f·µ2©

·|'3¶2µ3f·°

"~aSα°~α·

¶f~µ«|f·¶

2µ

3α

±1

2«

±1/4

°S

·±

·±

°α

°S

-

aα

±"

±|

|α

|α

·±

±

°α

±

±

·±

|α

±

|α±αSα

|α±αSα

|α±αSα

1α

2«

°~

|α

|α

|α

|α

±1/4

2@

±1/4

±

±

±1/4

°S

©-

2«

|α

·»

|2

-

2«

-

"œ"—š

—·•

->"•—□"š~TM

->"•—□"š~TM

œ>"—"

•">š>

TM",•"

—"_">

TM,"'"

œ•"">

œ••"

-š">□"-TM-

">~•"

œ•œ~□"~-

">š-

">š-

œ~'"

"šTM_•

«œ»f•°•

«-1/2f•°•

«>µf"-

—•,TM□"—š

->"~"

œ"š~

œ"š~

œ"š~

œ"š~

œ—" —

>"~"

—•š>

Sheet1

·¶α·f TM -f ² , μf [¶] , f TM œ TM	μ [¶] « [¶] · [¶] ©	2«	—~· TM
‘α·¶f ^{1/4} ·¶¶μ ^{1-±} , f ^{š-} >f>>2¥f ^{'2'3}	¶¶μ ² ©f ^{š±αμ^a}	±š	~>·‘
α±-š±α [¶] f [¶] α«f [¶] , ¥f ^{~œœ}	¶¶-1±α [¶] ¶¶¶	¶¶	·œ~>
·¶·μ·¶f [«] ·©·©f ^{·š·} ·□ TM —	¶¶f [¶] □α-μ ² ·1-1	¶α±αš	1>·f—¥·
·± ¹ αf ^{šμ} -f·¶¶α [¶] f ^š “·”	αμ ² μ, α	¶	>““““
·± ¹ αf ^{šμ} -f·¶¶α [¶] f ^š “·”	αμ ² μ, α	¶	>““““
¶α ³ f ^{š±} ·œf·¶ ⁰ f TM —	μ [¶] ·¶±-°·¶ ⁰	¶	>““—
	μ [¶] 1±·š	¶	
		°±	
~“““““f>>2¥f ^{'2'3}	¶¶α©f ^{μš} ¶	-α	
	©¶-°¶±, μ¥f ⁰ ±	±	“>œ TM
	¶¶-1¶±α ¹ ¶	-±	
	α·¶« [¶] ¶-°	®¶¶	
¶-1-μšf ^š ¶¶·¶¶α [¶] f [—] ““	±2š±αμ¥	°¶¶	-œ“—·
š±2μf ^{±2±} α¥ [¶] ·f ^{©2} f [¶] μš¶ [¶] f ^{š-}	±2¶¶¶	°¶¶	-œ· TM
”——f>>2¥f ^{'2'3}	š±α [¶] ·αš-μ	°¶¶	-œ TM >
¶¶f ^{μ⁰αμšf^{'2'3}·3} ·šf [¶] ± [¶] ¶¶f ^{'3'2} ¶	··α·¶f ⁻³³ ¶¶¶¶¶	°¶¶	-œš TM ·
¶¶f ^{μ⁰αμšf^{'2'3}·±⁰·μš³·šf[¶]±[¶]¶¶f^{μ⁰}·, 3°2} ¶	··α·¶f ⁻³³ ¶¶¶¶¶	°¶¶	-œš TM ·
TMœf>>2¥f ^{'2'3}	šμ ² ©š±αμ¥	°α	“”>~
	±02· [¶] šš-°	2«	
“—”“f>>2¥f ^{'2'3} ¶1/4μ ^{±-0} f ² —ααf ^{'%} “f ² ¶	2·¶¶š ^{2°}	¶α	œ~--
·¶·μ·¶f [«] ·š ^{2'3} ¶1/4μ ^{±-0} f ² —ααf ^{'%} “f ² ¶	2·¶¶š ^{2°}	¶α	œ~--
	±2¶¶-š [¶]	±	
	α·¶« [¶] ¶-°	®¶¶	
š·+f [¶] ¶š ¹ —¥f [¶] š±αμ¶¶¶μ [¶] f [~] ·	α [¶] 2¶¶¶-°	°	
TM>>”f>>2¥f ^{'2'3}	¶¶μα [¶]	¶α	œ-œ·-
—~—□αf [¶] ·¶, ¶¶·¶·μ·¶f ^{μ⁰} ·¶¶œ ⁰ f ^{šš} ”	¶¶μα [¶]	¶α	œ-œ·”
š±2μf [¶] ““α ^{1°} f [~] —	1/4μ [¶] ·± ^{2°}	¶α	œ-œ—“
š±2μf [¶] ““α ^{1°} f [~] —	1/4μ [¶] ·°2α, ± ^{2°}	α [¶]	—TM”““
	1/4μ [¶] ·°2α, ± ^{2°}	α [¶]	—TM”““
	2¶-« [¶]	¶α	
	ααμ ^{2°}	¶α	
”“>š ^{““} f ⁰ f ^{““} □«-fœ~>œ	2-± ² ·±αf [±] α¶¶	·>	š>·—“
1/4α ⁰ f·± ⁰ α±μ, 2·fš>>□”>	2-š±-¶	¶α	œ··““
	α ⁰ ·α·°3	¶α	
	·α¶¶, α ⁰	°-¶	
αμ, ¥±μ ² «·f¶f ^{““} —	α-μα ⁰ fα·±α¶¶	¶α	œ—TM~
	1/4·¶f [¶] ·©α [¶] f [¶] ·α¶¶	·	
”““““f¥23	¶¶μ [¶] š±α [¶] ©	±	
“““““f [¶] ·¶, ¶¶f [¶] □¶-1-μšf [¶] μš ³ f [¶] ·©©-¶ [¶] ±μ ² «·f~œ	š [¶] ¶-°¶μα©	¶α	œ—~—
·± ¹ αf [¶] ·¶¶αα ⁰ f ^{“œ} ”	2·± ² μ ² ·	2±	°—«f ^{“š}
š±2μf ^{μ^aα«f^{±«2}f”} ·”	1/2·μ [¶] fα·±α¶¶	¶α	œ~ TM ·
”š ^{“““} ·f>>2¥f ^{'2'3}	”αα·-°μ [¶] «	·±	-š ^š TM
”š ^{“““} ·f>>2¥f ^{'2'3}	¶¶-1«¶¶±	·±	-š··□“š”
·TM”f [¶] ·¶, ¶¶f·¶¶f [¶] œ”f [¶] ·—	¶¶-1«¶¶±	·±	-š··□“š”
	š [¶] ¶-°¶¶μ [¶] ·@α¥	¶α	œ—““
	š [¶] ¶-°¶¶μ [¶] ·@α¥	¶α	
	¶¶-1·± ^{2°}	±	“š“—~
	·μ ²³ ·1·μ«¶¶	α [¶]	

Sheet1

±2-1.α.ϕf"α-2!f™œ™™™	±02.μ@α, ±2.2μ ^a ϕ·«fμ"¥,« °α«μ,§ "-μ-α."°	3α 1. 2« ±1 -α	•šš">
-3f"±2.ϕa±-1- f~"—— "1-μ§f½4α°α«·α«f"~—" "1-μ§f½4α°α«·α«f"~—" ""—□¥±f□°±f.μ·ϕf«>-f□f"—— ·μ·ϕf±2.a±-1ϕ±@f«.,2ϕf"° œ—œf»2¥f'2'3 œ—œf»2¥f'2'3 œ—œf»2¥f'2'3 ™š"μf»2¥f'2'3 ·μ,2!f½4·μα±α.f™š~	°α«μ,§ a±-μ³ϕfμ"1-ϕf a±-μ³ϕfμ"1-ϕf ±2.a±-«ϕfα° ±2.a±-μ ^a ±2.a±-μ ^a ±2.a±-μ ^a ±2.a±-μ ^a ·±2°·-	·± ±1 °§ °§ §1 1α 1α 1α 1α 3α	•šš"š •"œ"™ •"œ"™ •""™ ••"— ••"™ ••"™ ••"™ "™>~ ——~
·μ·ϕffff~f«.,2ϕfœ"	ϕ,¥°, -2! »-±'2«3 ϕ"-μα«!f·ϕf α-2- αϕ2μfα·±αϕf	2« α½2 - ®ϕf	™""š— œ~"—
μ§f§±α-2«f—š-—	·-1@ 2μ ±-2!±- ©ϕf	°§ ±· 1α	œ—"-"
¼α°f·ϕμ!§-°f™>	°α«a±-°αμ©	°α	""š""
"1-μ§f32«ϕf-¥f·œ	·-1ϕf"®-3	°§	™"™>
",±'1αf±2.©-1!f«·μ2±f-™"œ	ϕf"-± ϕf-«3°°° 2!ϕf-1±αμ©f±αϕf	- ·± 1α	š™~™š
œ—~f»2¥f'2'3	·-α§®!2μ ·-1@ 2μ	·» °§	~>š
"™·f»2¥f□"μμ	·ϕf2f±αϕf 2μ2¥ϕf®μα·ϕf	1α 1.	±¼4
—"f»2¥f'2'3	·ϕf-·-μμ"° ϕ,°αμα3	©- ±	"š™~—□""—
—"f»2¥f'2'3	ϕ,°αμα3 §μ2©§"°	± ±¼4	"š™~—□""—
œ·†f□½4α°«a-«f±2ϕfμ"©©"f-š-š š"™·f»2¥f'2'3fϕf"-μ³μ"·±"fμ"±"-°f2'1 ™"™f·-.,ϕf□§1~¥f½4α°ϕ,α!f±f~— ™>š-"f»2¥f'2'3	±α«αμ ^a « ±α«αμ ^a « "-μ-α."° ϕf±α"-μ2f°± ®°α«2°f"®α-	-α -α -α -α ±	š""·— š"">-□"™"š š""· š"">~
"-""f»2¥f'2'3	®μα3f®α2 §22°·®α-	- ±	™"·"—
"·f½4-§±"-μ©fμ"ϕ, f□§μf·μ23μ-αfœœœ	®μα3f®α2	- -1	"š™"
",±'1αf®1-2'3	¼·-1!f®μ2¼4f°± ¼·-1!f®μ2¼4f°±	- ±¼4 ±¼4	™"·"— """"~□"—"" """"·~
—"·f·-.,ϕf·μ·ϕf"-α°f"—	2a"-§f±αϕf	1α	
š™šf»2¥f'2'3			

Sheet1

“š-f»2¥	“μ!α§220	!α	œ—œš—
	2-±2.±αf±α¶¶	·»	
	“μ,α-	°§	
	1/4-·,±	±	
TMš-f»2¥f□—f·μ	“α§α±-μ3¶¶	αμ	š-š™—
—•”f”·¶¶□·¶¶f—α°f—	1/4±	±1/4	””””~
·””μ·¶¶f±2¶¶§,«f~	@μ21/4f°±	±1/4	””””_
	α·±α-α	αα	
>””f»2¥f'2'3	1/4·-¶¶f”-30”·	!α	œ”š>“
“¶¶f“œf'°fœ·š™	2°2@2@	-±	—™œ””
·””μ·¶¶f±«2f>-	”±”š-12μ3f·¶¶α”	μ-	“•œ”—
	¶¶μ”š±α-©	±	
°fμ§f«!±αμ¥f1/4·”μ3f”—œ·f□·—•>”f¥23	“—¥2°	α-	_™™™>
	α«¶¶α@!-«!	2@	
œ·—“—f¥23	α±”š¶¶α3	!α	œ”””“—
	α° 1/4	α1/2	
“œ—f¥23f□1αfα-·α@f“”f”””·	°-“«α±α	!α	œ·“—
—“·f”·-¶¶¶¶f□§μα1”-2¥f±2α!f~f”™™™	2α”-šf±α¶¶	!α	œ·”””~
—“·f”·-¶¶¶¶f□§μα1”-2¥f±2α!f~f”™™™	2α”-šf±α¶¶	!α	œ·”””~
—“·f”·-¶¶¶¶f□§μα1”-2¥f±2α!f~f”™™™	2α”-šf±α¶¶	!α	œ·”””~
—“·f”·-¶¶¶¶f□§μα1”-2¥f±2α!f~f”™™™	2α”-šf±α¶¶	!α	œ·”””~
—“·f”·-¶¶¶¶f□§μα1”-2¥f±2α!f~f”™™™	2α”-šf±α¶¶	!α	œ·”””~
	·μ23©-a	°¶¶	
	±02·”šš-°	±1/4	
	±02·”šš-°	±1/4	
—•—f¥23	”αš-μ«·μ±±	!α	œ”->
	“—1”2μ±2°	3α	
	@μα0”±	±	
“”1αf±2·α±-«¶¶α°f”œ”	±2·©-¶¶	±	“š”””
1/4α°f¶¶”-¶¶¶¶α°f””·	α¶¶”°fα·¶¶2!	!α	œ·™·š
””·□”””™f»2¥f'2'3	α¶¶”°fα·¶¶2!	!α	œ·™·>
œ·™·f¥23	α±αfα·±α¶¶	!α	œ·šœœ
	αμ,¥¶¶@!α-¥	1α	
¥f”·-¶¶¶¶f□’š1-¥f1/4μ2·!-1f·¶¶°f™™™—	@±α¥μ,¥	!α	œ”””~□”””·
—•”””f¥23	αμα¥μα¥fα·±α¶¶	!α	œ-”””
””-f¥23	2α”°¶¶2	-	™™””_
	αμ,¥¶¶-μμα«	3α	
	±2·αμfα!2¥	©-	
	±2·-α§	3α	
”·±”1αf1/4μ”°2α·±2°f·¶¶°f””””	·±2°·¶¶2μ	3α	”œ”””
š-“”f»2¥f'2'3	μ”š”2¥	!2	>“—”□“·—š
••f»2¥f'2'3	§μα-¶¶-«	©-	—“—™™
·¶¶α”f§α2μf±α°μ”š-αf””-”	“—-1±2¶¶@!α	©-	—•”””
”1-μ§f!-¶¶±μ2!f-“—	“—-1±2¶¶@!α	©-	—•””š
šœ”š-f»2¥f'2'3	“—-1±2¶¶@!α	©-	—•—š□š”œš
šœ”š-f»2¥f'2'3	“—-1±2¶¶@!α	©-	—•—š□š”œš
”1αf·±2°2¶¶¶¶μ!f™™™—	§220@!α-¥	±	“>””·
	”1·””·¥	°α	
	1/4·””α1f±-α·±,2©	!α	

Sheet1

œ™—f¥23	..2!¶µ³	α½	>™—“•
—™—f»2¥f'2'3	∴ 1.∴¥	0α	œ>™œ
—™—f»2¥f'2'3	∴ 1.∴¥	0α	œ>™œ
—™—f»2¥f'2'3	∴ 1.∴¥	0α	œ>™œ
	∴ 1.∴¥	2µ	
∴±α⁻fµαS“if”	a±-±-¶¶²	±¼	™™™
	S-±	2@	
	2⁻-1f±2-¶¶-°	!α	
∴“¥f”∴¶fS¹-¥f⁰-1f¼∴-α1f“¶f””-	¶α¹1f¶α⁻	±¹	>œ™•
	« ¥f«·2¥²«∴µ	S”	
S>”f»2¥f'2'3	¶-α©f±α-1αµ²⁰	±!	•,™~—
~™”f»2¥f'2'3	α1∴±”a	-	™“”
—“•f”∴¶f□±f¼α⁰@µα³f@”∴µ f«·µ²±f•”>”	∴∴∴2¥	0α	œ>””□>•“•
	¼α⁰α·α!¶-³	±	
	¶-«³⁰⁰	·±	
∴±f·¶f¼ ±, fœ™™	∴@α⁻f°α«	°±	~—“—
∴¶f·, ±-α⁰f·¶α”f□f””S	α±”Sα¶α³	!α	œ”””
	!-α¶¶α³	±	
	α±”Sα¶α³	!α	
	±²¶@!αf”@α⁻	·»	
	¶-²³α±α-¶S±-	-±	
∴¶² f¶µ∴¥¥, µα f—’—	«αµ, ¥±-¶S”	¶ ². -α±S	∴“”f”¶
	¶”±-²⁰f¶”Sf⁰	-α	
∴µ·¶f±²·a±-«¶α⁰f—~œ	2αα!-«!	-	™“™“S
~—f¥23	Sµα⁰¼α«	!α	œ—~—
∴µ·¶f”-αα”f•—~œ”	¼∴-α1f²µ·¶α!	!α	œ—~—™
∴µ·¶f”-αα”f•—~œ”	¼∴-α1f²µ·¶α!	!α	œ—~—™
	±²S±²-f⁰±	!	
	S”-@a±-µ³¶	-	
		S!	
	¶S-³αµf ^a -¥	°-	
	±²·¶, ²«	·»	
	α”µαf±²·¶, ²«	·»	
	α·±α⁻·α	αα	
∴µ-!f©α⁻fµ”¹-¶f“~•-	α³-α!, ¼	!α	œ•-œœ
	∴-¹¶, ±, «	α⁻	
∴aS-µ¥±²·f□·∴µ·¶f«a-«fS>	·±”@	, ±-∴”Sf@-±aS²⁰	·±œf”µ»
∴¶fµ”·¶²©f~•	µ²¶S±-⁰f«·, ²¶	!	“™“S—
	S±α⁻¹-¹	·±	
	2a”-Sf±α¶	!α	
	@µ²¼f⁰±	±¼	
∴¹αf@µα³f”±²	¼±	±¼	”””™
	∴, µ”’, ¥-α	±⁰	
	S±α⁻¹-¹	2«-²	
	∴-²³f·¶”	αα	
	∴@α”³α¶”«!	!α	
⁰±f”±α⁻f«·“”f—~>	¶S-³αµf±²!	°±	~—

Sheet1

±1αf.±μα ^a f-TM ^š	2a [±] -šf±α¶	α	œ•™œ
•>f [±] ·-¶,¶f'μšf ² ±-¶¶ f"•□•"š"-	š±α ⁻¹ -¶	·±	œ•—“
·¶fš±2 ¹ ·¶f□f [™]	¶μ ² ±-¶¶f [±] ·@α ⁻	α	œ—™š
¶¶fš±2 ¹ ·¶f□f [™]	¶¶,¥°, ⁻² ¶	aα	
¶1-μšf [±] ·-2±-α [°] ¶f [±] ·@α ⁻ f•TM>œ	2 ¹ ¶¶-¶±αμ©f±α¶	α	
•>f [±] ·-¶,¶f'μšf ² ±-¶¶ f"•□•"š"-	±2·μ ¹ α ⁻ ¥	2μ	
š±2μf@ [™] ·μ¶f¶ ^a š,©f [±] ·~	¶-2±-α [°] ¶f·¶ [°]	© ⁻	—™—
·μ,2 ¹ f±2 ¹ ·μ [±] μ¥f•—	±2·αμfα ¹ 2¥	© ⁻	œ•—“
1/4·-¶¶μ ¹ -±,f [±] ·α<<¶μα [°] f¶ ¹ ·-±μ [±] ¶fμ [±] , ^{3°2} ¶	¶μ ² ±-¶¶f [±] ·@α ⁻	α	
>œ”f>>2¥f ² ·3	α ^{3°} α.	© ⁻	
šμ ² ©¶±, fαš [±]	¶-1¶¶μ,2¥μα¥	01	•~“—
μšfμ [±] ·±¶fš ²²⁰ ·¶ [°] fœ”™>f□μ [±] , ^{3°2} ¶f°,±α,´	±2·a±-·±,«	01	•š™
	±2·a±-·±,«	01	•š™
	±2·a±-·±,«	01	•š•“
	¶aα¶ [±]	01	•~š
	¶-1¶¶±μ,¥	°±	
	α±± ⁻¹	1α	••>“
	š±α ⁻¹ -¶	2«	
	μ [±] ·¶ [±] « ¹ 2μ	°±	
	μ [±] ·¶ [±] « ¹ 2μ	°±	
	μ [±] ·¶ [±] « ¹ 2μ	°±	
¶,± ¹ αf [±] ·±α,šf·¶¶fš“-™	¶-α11/4±±,¶	α	œ—“>™
	¶¶š-3αμf ^a -¥	° ⁻	
	¶¶-a±αf¶ ²	α	
	¶¶-αš	·>	
·¶f [±] ·@μα [°] f™—•□•f>>2¥	2 ¹ ¶¶-¶±αμ©f±α¶	α	œ—™—
-™”f>>2¥f ² ·3	1/4μ,¥<<,2¶	·	“™—>>
~”f¥23	šμ ² ©·μα<<f [°]	·	
-œ±fšμf±1/4f [±] ·¶¶f [±] ·š	α¶ ² μfα·±α¶	α	œ—œ~•
·¶fš<<šf [±] ·¶f•”-	±2· ⁻² ¶	α	œ••—
š”fμ·¶¶¶¶α<<	¶¶¶α ³ f¶·±αμ ^a	2μ	œ—™~
>~—f>>2¥f ² ·3	¶-33-¶-aα ⁻ fš-œ—	a [±] ·μ [°] α±1/4	
œ—”f [±] ·-¶,¶f□¶š ¹ -¥f ² šμ ² -2 ¹ f·š••	-·α±±-¶±-¶	2«	—~••
	¶¶-a±αf¶ ²	α	œ™—”
	α@”μ,”	α	
~”f□ ⁻¹ -μšf1/4 ⁻ ·α ¹ f™•	¶±α¥¶-μ¥	α	œ—™~
	<<¶μ,¶¶f¶¶α©	1α	
	¶±·μ ² ©	¶¶	
·¶¶μ·¶f1/4¥μ-f<<,2¶f™~•	¶±·μ ² ©	¶¶	•œ™™
·¶¶μ·¶f1/4¥μ-f<<,2¶f™~•	¶±·μ ² ©	¶¶	•œ™™
•f>>2¥f ² ·3	a±-¶¶¶,©	±1/4	™~•
@ ²² μ¥ ⁰² šα [°] f~š	<< ⁻⁰ ±™μ ^a f [±] ·	μ-	“•>”
™-±f·¶¶μ·¶f [±] ·μ,α ⁻ f••	¶ ² ·μα!f±α¶	α	œ—š“
¶1-μšf [±] ·2μμα ³ f-™™™	2 [±] ·α [°] f±α¶	α	œ—™•
	α-α ³ -š-¶-α ³	3α	
	aμ,¥¶š,2μ·¶	3α	
±2αα·± ³ f [±] ·¶¶f™—š—f>>2¥f ² ·3	±2·a±-¶¶α [°]	š¶	•™™¶š“™
±2αα·± ³ f [±] ·¶¶f™—š—f>>2¥f ² ·3	±2·a±-¶¶α [°]	š¶	•™™¶š“™
	@μ ² 1/4f [°] ·±	±1/4	

Sheet1

af±2-1. a. fl f □ ce • ~ f » 2¥f'2'3
 af±2-1. a. fl f □ ce • ~ f » 2¥f'2'3
 af±2-1. a. fl f □ ce • ~ f » 2¥f'2'3
 "f" . 1, fl f □ f ± μ " . fl " ° f « , 2 fl f " " " " >
 -ce-f » 2¥f'2'3

"1-μsf @ μ a 3 f . , ± - a ° f . fl " ° f > •"
 1/4 . - fl μ " 1 - ± , f " " a fl f a - f • - f » 2¥f'2'3
 1 a f 1/4 ± - 2 f % o f « . " • f □ 1 - ± , f " " a fl f a -

ce • - f » 2¥f'2'3
 " " ~ f ¥ 23
 § - TM ~ - f » 2¥f'2'3
 § - TM ~ - f » 2¥f'2'3
 § - TM ~ - f » 2¥f'2'3

TM " + f □ " 1 - μ s f ± 2 « . a μ a ° f " " TM
 « , 2 fl f ° μ a © ° 2 § a " ° f - > •
 § a 2 μ f μ " . ± " i f 2 - μ a . ± 2 f ± 2 § " i a ° f • ce > •

ce " - f " . , fl f " § 1 - ¥ f 1/4 a ¥ □ 2 . □ □ © " , a f > " " -
 « . μ 2 ± f " i a μ μ " . f « > • " f □ f " ce ~ ce
 " " ± f . " μ . fl f μ " 12 § f " " " " ~
 2 - « 2 f • " f " - TM

" ± □ • § f □ μ " . ± " i f " § a μ . f § - μ 20 f " ± 2
 ce • f " . , fl f ± 2 fl - μ μ 20 f ' ° i fl f " • ce
 ce • f " . , fl f ± 2 fl - μ μ 20 f ' ° i fl f " • ce
 ce • f " . , fl f ± 2 fl - μ μ 20 f ' ° i fl f " • ce

© □ — " f » 2¥f □ - f " . 2 μ f § " . - ° - f 1 μ " fl 30 2 i f 2 i |
 © □ — " f » 2¥f □ - f " . 2 μ f ' § . - f 1 μ " fl 30 2 i f 2 i |
 - > f » 2¥f'2'3
 a □ " > " f » 2¥f □ " f " . 2 μ
 § a 2 μ f - @ fl a " , 3 f « . μ 2 ± f " " —

" . fl f 3 μ a « fl f • - ce —

a , ' a 33 a « | ± 1/4
 2 . ± 2 μ 2 . 2 ±
 2 . ± 2 μ 2 . 2 ±
 2 . ± 2 μ 2 . 2 ±
 1/4 . - i f a ° 2 « a - @ 2 2 @
 " " - ± ± " . a a

" § - fl 1/4 a ¥ ± 1/4
 a - « 3 " § a - - « 3 3 a
 a - « 3 " § a - - « 3 3 a
 a - « 3 " § a - - « 3 3 a

± 2 . " i ± - μ 3 ±
 § 220 " a § - μ ±
 ± " § ± - - ±
 " a § fl . . 2 i fl a 1/2
 » - ± " 2 « 3 a 1/2
 » - ± " 2 « 3 a 1/2
 » - ± " 2 « 3 a 1/2

" fl - f ± " . a . fl ± 1/4
 " ¥ ° a ! i a
 - - « i f « . μ 2 ± ± 1/4
 « . μ 20 " a ° ± 1/4
 μ 2 ¥ μ a f ± ± a °
 ± 02 . ± " i ± - 1 ±
 μ " . a ° μ a " i ©
 2 a μ a - ©
 a μ , ¥ fl μ " . " 3 f ' . fl ©
 " i ± " μ ° a - @ fl
 « i a " ¥ f a ± 2 - i a
 " a © a μ f ± a fl i a
 § " . - © ° 22 - ¥ ±

± " , « . " ° ° a
 - @ « fl , ¥ 3 a
 ± 2 . a ± - μ μ a ¥ -

@ μ 2 1/4 f ° ± ± 1/4
 § ± a - . μ 23 2 μ
 § ± a - . μ 23 2 μ
 § ± a - . μ 23 2 μ
 " . . a " fl ° a

± 2 . ± a . fl @ 1/4
 ± 2 . ± a . fl @ 1/4
 ± 2 . ± a . fl @ 1/4
 ± 2 . ± a . fl @ 1/4
 2 a a i - « i -
 2 " - a 1 i a
 " μ 2 ° - . - a ¥ ° §
 ± 2 fl - § a ° °
 fl a - a § . >

° o f " ± TM
 ° o f " ± TM
 ° o f " ± TM
 § - " - ce
 - " " > ce

" ce " • "
 " ce " — "

" § " • ce
 > ~ • TM "
 > ~ " TM ce □ ~ TM - §
 > ~ " TM ce □ ~ TM - §
 > ~ " TM ce □ ~ TM - §

ce ~ " " >
 " ~ " —
 " ~ " TM >

— TM " ce
 — TM —
 — § —
 TM TM " —

" " " >
 ce § • ~
 ce § • ~
 ce § • ~

— " — >
 — " — >
 — " — >
 — " — >
 TM " TM " —

§ ~ • — §

Sheet1

~TM•f»2¥f ²³	§μ ² ©§ [°]	±	
§α ² μf± ² ·α·¶f—•	¶—α©f·α [°] μ ^a	°	~œ—“—
·...μ·¶f—α ⁰ fšš [°]	“f'μ±f—α¶—α«f± ² ·μα¥	±	—œfš±
± ⁻ f¶μ ¹² —f ⁰ fœ [°] ff□ ³³² «¶f·±—μ ³	α±α¥μ,	—	
± ⁻ f¶μ ¹² —f ⁰ fœ [°] ff□ ³³² «¶f·±—μ ³	± ² ·¶±—μ ³	±	“>~—“
	¶α—α§	·»	š~•“œ
	¶α—α§	·»	š~•“œ
	μ [·] ·α ⁰ ·a§—μ¥	°α	
	μ ² ¶§±— ⁰	2±	
	± ² ·¶, 2«	·»	
§α ² μfμ ¹² μ ^a f~—~	± ^{2a} ·@¶, °	°—	—œ—•
	α—		
	§±α—·μ ²³	2μ	
	§—·—©¶±α [°]	2«	
	¶— ²³ α±α—§±—	—±	
	± ² ·a±—» [—]	@ ^{1/4}	
	α ³ °α.	©—	
“1αf [·] μ ²² °f«·μ ² ±f [°] ~•	“μ ²² °	2@	š—“TM“
	—μ, α—	°§	
	α [·] — ¹ f±·°	¶α	
“šf»2¥f ²³	§±α— ¹² —	2«	—~“—“
	§—·—©«¶μα [°]	°—	
	2μ§±α— [—] f±α¶	¶α	
	1/4α ⁰ @ ^{1/2} μ¥	3α	
~••f»2¥f ^{2'3}	±μ, ¥, α	°α	œ>“š”□•—~
	·±— ²³ «a—«	±¶	
~“š~—f»2¥f ^{2'3}	± ² ·¶, 2«	·»	šš•—~□~š [°] ~
	¶α ^a · ¹ f¶α—	±1	
“1αf1/4@ ¹ , ± [·] @f [°] š~—	¶— ²³ α±α—§±—	—±	—TM•—”
		2μ	
§μf± ² α [·] ¥f□ [·] ¶, 2«f [·] ¥ [°] 2¶¶±— ⁰	»¶¶¶, ¶f□« ^a , 2μ2¥02μ ¹	±—, §f@—±a§ ² °	·±TMf [·] , —
~“~“f [·] ·¶f ⁰ ±f ¹ αf [·] , ¶—, ¶ [·] ±± ² ¶f~• [°] ~“	± ² ·a±—«¶α ⁰	§¶	•“““>
~“~“f [·] ·¶, ¶f ⁰ ±f [·] , ± [·] 1αf [·] , ¶—, ¶ [·] ±± ² ¶f~• [°] ~“	± ² ·a±—«¶α ⁰	§¶	•“““>
~“~“f [·] ·¶, ¶f ⁰ ±f [·] , ± [·] 1αf [·] , ¶—, ¶ [·] ±± ² ¶f~• [°] ~“	± ² ·a±—«¶α ⁰	§¶	•“““>
“1—μ§f¶μ [—] ·...¶f••”	2—¥ [·] , 3	¶ ²	>“““>□”>—
“1—μ§f¶μ [—] ·...¶f••”	2—¥ [·] , 3	¶ ²	>“““>□”>—
•f»2¥f□§α ² μf [·] ±·°f¶μ [—] §±α ¹ f~š TM —	aμ, ¥« ^{±1/4} —	1α	•—~“TM
	§—·—©·¶ [°]	°α	
—TM—f»2¥f ^{2'3}	©μ ² §± [·] ·...¥	—α	~•š••
“± [·] 1αf [·] —“¥f>”~•	·μ ²³ ± [·] 1α§	—α	~•“—
“± [·] 1αf§±•—f□f•“TM	“±— ² °f·¶α [·] ”	—	TM”•—
	« [·] , 2°¶·μ ²³	±«	
šš TM ”f»2¥f ^{2'3}	¶¶ ² μ ^{1/4} α ⁰	aα	—~“•
TM“”f [·] ·¶□¶μ ¹ f¶μ, μ [·] — ¹ f [°] ~“—f□¥, 3f [·] ±α¶¶—α± [·] μ	@“μ ¹ f [·] , ±—α ⁰	¶α	œ—~œ>
“± [·] 1αfμ [·] ·μ ^a ¶fœ—••	—, a ³ f [·] , ¶	°±	~“““>
	2¶¶— ¹ ±αμ©f±α¶	¶α	
	“a§—μf@μα ³	±	
	¶ [·] §α¶— [—] a ³ f ¹ α ³	¶α	
	± ² ·a±—μα	1α	

Sheet1

¶, μS¼«f°f•š—”

>“œ-f»2¥f'2'3

—œ”f»2¥f'2'3

>>-f»2¥f'2'3f¼·-!2¶fμ·, 3°2!f--a±a-μ·

·±a-fS220°aS°°ffα”””””

>TM“•f»2¥f2f3

±-a°f·¶”°f””””•

μ22°©f«·””f□·, ±”1af±2¶-Sα°f“TM•

””-œf»2¥f23

—•f»2¥f”f”·, 2μ

—“”f”·, ¶f□¼α°«a-«f|-©-!α3f'0'¶f“”š•”

¶”°α-fμ°02·f•

”1-μSf@α2f”1- f“TM>š

α±-”μfα-f”Sfα-1f”œ”

‘S1-¥f|-·±a-·afœœ””

œ”“>f»2¥f23

¶!3□•“f”·, ¶f□·””μ·¶f·¶μ-©f«·μ2±f~šTMš

—, «f¶μ·-°°23f•

·±2°-¥

¼2°-

2-μa·±2

S±a-¶-fμ”μ”°

-¶«f”3α«!

°α«μ, S

©©α·¶aα-©

¶-2¥, S

2¶α3f”

±αSμ2°0

±2·a±-»”-

S±a-S-°

2aμa©

μ, ·a!”S

Sμ2°S”°

S±2°«!-μ

@μ2¼f’0’±

>>α©μ-α©

2±”μ

μ”·¶a!±a-

”@α-f-a·¶¼μ!

¼·-!fS”μ

Sμaα·

¶”-α°f”@α-

”@α-fa±-μ3¶

”- -1>>2±@

S±”¥f«·, 2¶

”S-¶μ”1-μ

S±a-¶-f·-μμ”°

«!α”¥f|-·±a-·α

¼±α¥-α

¼μ, ¥±αS

±2·¶”-μa«!

2!¶-!±αμ©f±α¶

¶”-¶«f±2-¶¶-°

¶±”””’

-·α±±-!±-!

a±-Sα”μ

2aα!-«!

2aα!-«!

2±¶”μ©

·±2°”μ©

α3°α·

!”¥·’

αS¶”«·”¥

¶¶2μ!μ2±

μ”·¶”«!f·¶”°

±!

α¼2

!α

°α

±!

±!

α¼2

3α

·»

·’

@¼4

°-

±S

-

2μ

!α

±¼4

1α

±1

!α

-

°-

2μ

©-

±

·±

-±

!α

©-

©-

αα

±¼4

!·

¶!

!α

!α

±¼4

2«

3α

-

-

!α

!α

©-

!α±αSα

°S

αα

3α

>~•-”

œ”šTM”

œ>“—“

•š””□-~>>

•šš”-

—“~•—□~“TM>

œš~“”

””””TM

TM“”””—

—œTMšš□œ>“”

œš••-□TM”->

—>~

œ•~“œ□~—œ

—œœ~

—••—

œ”——TMf|-¶

œ-š””

>½f°•

Sheet1

•TM~f~.¶f□SμfS±α ⁻² «f”œ•—	±α°Sμα ² ¥	2«	•——~•
“1αf”~.¼α°f——>•	«!α”¥fα-±-αμ-1	1α	TM•“——“
> , † f □ “ μ “ ° “ a S “ f “ — TM	2. — α f 2 — α 3	1α	Šœœœ~
α¥°-μα°f——>	¼. — 1 f “ . — ± α μ a	—	Šœœœ”•
~>”Š-f>>2¥f’2’3	2a”-Sf±α¶	1α	Šœœœ-Š
“1-μSfS±-0¶¶2μ1f“•-•	2¶¶α3f~	·»	—œ““>
“1-μSfS±-0¶¶2μ1f“•-•	2¶¶α3f~	·»	—œ““>
“1-μSfS±-0¶¶2μ1f“•-•	2¶¶α3f~	·»	—œ““>
‘S1~¥f~“021fœ““~f”~¥fαμ1α¶	221/2α°α-α@	°-	œ~TM”TM
“1-μSfS±αμ, ¥S±α¶f——>	221/2α°α-α@	°-	œ~>”œ
Š••TM”f>>2¥f’2’3	221/2α°α-α@	°-	œ~>”TM□••Š
Š••TM”f>>2¥f’2’3	“——-1±2¶¶@!α	±!	œ~>”TM□••Š
~>TMf¥23	“±-1μ-	1α	œ~TM”TM□“TM,~
·μ, 2!fS22α±”1α«fœœ>œ	¶¶-1αS	1α	—••”Š
>”>TMf¥23	2. ±. ° α μ 1 α ¶	1α	œ”””
———”>f>>2¥f’2’3f¶¶¥¥	2. ±. ° α μ 1 α ¶	1α	œ•”->
———”>f>>2¥f’2’3f¶¶¥¥	2. ±. ° α μ 1 α ¶	1α	œ•”->
———”>f>>2¥f’2’3f¶¶¥¥	2. ±. ° α μ 1 α ¶	1α	œ•”->
———”>f>>2¥f’2’3f¶¶¥¥	¶¶. «a-~«f¶¶, μ. -1	1α	œ•”->
———”>f>>2¥f’2’3f¶¶¥¥	“——-1±2¶¶@!α	©-	œ•”->
¶¶¶”μSααS~2f” , ±”1αf«. TM—f□f”œ~•	@±α¥μ, ¥	1α	œ——””TM
•””μ. ¶f. ° @μα°fTM—•f“•f>>2¥	±2. ¶¶μ	1α	œ——””
•””μ. ¶f. ° . μα¥f——~	“±1/4α°	±	œ——””Š
——f”~. , ¶f. ° . μ. ¶f¶¶”¼α«f“TM>”	¼. — 1 “ @ α — . — α ¶	, .	œ——””> , □ ——”TM
~”f”~. , ¶fSμα1~”2¥f¼μα”af~——	2a”-Sf±α¶	1α	œ——TM””
””-†f. ° . μ. ¶f±2±μ”1f””	2a”-Sf±α¶	1α	œ-•ŠŠ
“±”1αfμα¶¶α1f. ¶”°f~•-•	2a”-Sf±α¶	1α	—••”Š
—“”f”~. , ¶f□”1-μSfμ”~. ±!f”1- , !”>”f””>”	2¶¶-1±αμ©f±α¶	1α	••“œ“
Š>~f>>2¥f’23	2¶¶-1±αμ©f±α¶	1α	”””œ
>•f”~. , ¶f□. ° . μ. ¶f«. TM~f. ¶”°f~•	2¶¶-1±αμ©f±α¶	1α	—œ~Š
~œšf>>2¥f’2’3	2¶¶-1±αμ©f±α¶	1α	œ”~”
••†fSα2μf±2¼±α!fSαS~2¶¶f——“•>”	2¶¶-1±αμ©f±α¶	1α	œ”~”
•””μ. ¶f~αSα±fŠ•Š>”	S±α-@α2	1α	œ”~”
‘S1~¥fα-1±~”α1f——•	α-~α¶-1	1α	œ”~”
“——†f□¼α°@μα3f±-α. ±, 2°f!-αα°fŠ——•	“——-1±2¶¶@!α	©-	¶¶——3f-¼•
“1-μSf±α°”«! . α@¶¶f”•”•	±2. ¶¶μ	1α	œ——>
Sμf@α2f”>•	±2. ¶¶, 2«	·»	
	@μ2¼f0’±	±¼4	
	~¥-±α¶	©-	
	¼μ. ±, 2!f±2¼±α!	1α	
	¼μ. ±, 2!f±2¼±α!	1α	
	α-1±~”α1	1α	
	α-1±~”α1	1α	
	α±-α”μ	¶@	
	¼. — α 1 Š . ± , «	3α	
	«α±±α1α¶	αα	
	αμα¥μα¥fα. ±α¶	1α	
	“μ2°- . — α ¥	°S	

Sheet1

	±1/4 ¹ f ± ¹ a	—	
	® ₂ a ⁰ — ⁰	°	
	±2. a ± — « f a ⁰	§	
	« a — a μ	±	
	.. 2 ¹ μ a «	±	
	— a ± ± — ± —	2 «	
§ μ f 1/4 ¹ a ¹ f ± a f —, f f ⁴ —	±, f —, f	a	œ — ~ >
§ μ f ., ± — a ⁰ f • œ §	1/4 ¹ a ¹ f 2 μ • f a ¹	a	œ — ~ — TM
μ § f © © — f ± 2 — f — ° f § " §	2 a ¹ — § f ± a f	a	œ • " TM
« f —. f f □ § μ f ± 2 f ± 2 μ f > œ —	2 a ¹ — § f ± a f	a	œ • " " "
	. 3 f 1/4 μ — — °	°	
	° a a ± — μ, ¥	a	
" — f > 2 ¥ f 23	° — 1 ± — a — 3	± 1/4	" " > —
	® 22 μ ¥ 1/4 ± 2, f	± 1/4	
" § f ¥ 23	— .. a — f	° a	œ > " " "
TM ~ TM " f > 2 ¥ f 23	« a — ¥ f 1/4 a μ — §	© —	— — § □ " TM ~ TM
" 1 a f ± a — 2 f TM —	§ a — « — ¥ μ a °	° a	" " œ — ~
	a . ± a — a	a a	
— f —. —, f f § μ f § μ 2 © 02 — a « f f —	a . — μ a °	a a	— " TM • □ ~ " —
" 1 — μ § f — a § — μ ¥ ® a 2 f > " —	" f 2 f ± a f	a	œ ~ " •
	« a — a μ	±	
. f f — 2 f > — TM	2 f — ± a μ © f ± a f	a	œ — " " §
" 1 — μ § f 1/4 ¹ — a « a ± f ~ §	± a —. — μ ¥ f ° ±	.	" TM " —
§ μ f ± 2 — 3 μ 2 f — f — • " TM	f — a « f § ± a — § 220	a	œ — TM §
" 1 — μ § f a μ a ¥ μ a ¥ f > " — •	2 ¹ — μ a ° a	a	œ — " " "
	° a « a ± — @ 2 μ	±	
	§ 220 ¹ — 3 a °	° ±	
> TM — a " f > 2 ¥ f ' 2 ' 3	1/4 . — f a ° 2 « a — ® 2	2 ®	§ — " §
" " — f > 2 ¥ f ' 2 ' 3	§ 220 ¹ ® a —	a	œ " § " " □ — " " "
" 1 — μ § f f a — a 2 § f —	μ, . a " §	a a	
§ — f —. —, f f □ § a 2 μ f f — ¥ μ 2 © f " " TM §	± — § — μ °	.	" TM — ~ "
f 02 § a — ° f μ — « a — «	—, a — ± f a ±, a a —	a	œ • TM § §
§ " + f □ " — ± f —, ± 1 a f «. " " f □ f — " §	± 21 " § f □ μ — ¥	±, —. " § f ® — ± a § 2°	" > " • f — «,
	" 1 — ¥	° a	œ > " " —
— f > 2 ¥ f TM f —. 2 μ	± — § — μ °	.	• § — • TM
~ § — § ~ f > 2 ¥ f ' 2 ' 3	a ± — μ a 1 □ 1/4 a , ' , ©	±	— • ~ §
" § " œ — f > 2 ¥ f 23	2 § ± a — μ 2	© —	— • § — œ
	a μ, ¥ f —	© —	
" , ± 1 a f f ® a 2 f μ — a © f œ " TM —	a 3 ° a .	© —	— TM " "
® μ a 3 f f " § a f ~ •	± 2. f —. «	, ®	. μ — f ' f
" 1 — μ § f —, μ f § § f , a — ¥ f > • œ —	± a a a "	° ±	~ " • •
	± 2. 1/4 a §	2 «	
	> — ± — 2 « 3	a 1/2	
	μ — " > "	± «	
	§ ± 2° « — μ	1 a	
	° — 1 f ± . °	a	
	§ ± a — 1 —	2 «	

Sheet1

"œ"†f ⁻ α ⁻ μf ^{2±-1°} α ⁻ f ⁻ f ⁻ TM ⁻ •	¼ ⁻ « ⁻ μ ⁻ μ ²³	© ⁻	œ [~] "
"œ"†f ⁻ α ⁻ μf ^{2±-1°} α ⁻ f ⁻ f ⁻ TM ⁻ •	αμ ⁻ α ⁻ f ⁻ α ⁻ ±α ⁻ ¶	α ⁻	œ [~] "
'μSf« ^{a-} « ^{f>} ~ ⁻	αμ ⁻ α ⁻ f ⁻ α ⁻ ±α ⁻ ¶	α ⁻	1•¶f ⁻ 3TM
œ> TM —TM f>>2¥f ²³	!¥f□Sμ ² ©¶.2¥¥α	α±αSα	Š TM —
"~" f>>2¥f ^{2'3}	μ ⁻ ± ⁻ ®	α	
	¶ ⁻ ± ^{-2°} f¶ ⁻ S	α	œŠ→Š
	α ⁻ ± ⁻¹	2μ	
	® ^{2±} α ² μ	1α	
œ•—TM f>>2¥f ^{2'3}	¶@±α¥μ ⁻ α©	α@	
	¶ ⁻ μ ⁻ α« ⁻ f ⁻ ® ⁻ α ⁻	α	Š TM ™
	S±α ⁻ 1 ⁻ ¶	±	
		α	
± ⁻ 1α ⁻ f ⁻ μS±α ⁻ f ^{""} •	¶2¶2f¶2 ⁻	α	œ—•
~μ ⁻ ¶f« ⁻ TM f□f•S—	¶2¶2f¶2 ⁻	α	œ—•
± ⁻ 1α ⁻ f± ² ¶± ² f—TM œ"	23¶ ⁻ ~¥2f¶ ⁻ 1 ⁻ f±α ⁻ ¶	α	œ—"
¼α ⁰ f ⁻ α±~Sμ ⁻ α ⁻ f>~	S ⁻ ~ ⁻ © ^{a±} ~μ ³ ¶	2μ	œŠ—ŠŠ
	α ⁻ α ¹²	© ⁻	
•~f¥23	>~± ⁻² « ³	α ¹²	>~—
•2μμ ⁻³ f ⁻ ~f ⁻ S ⁻ ±f ⁻ ± ⁻ 1α ⁻ f« ⁻ œ [~] f□f ⁻ •	!¥ ⁻ ;	α±αSα	Š1f ⁻ 1TM
•2μμ ⁻³ f ⁻ ~f ⁻ S ⁻ ±f ⁻ ± ⁻ 1α ⁻ f« ⁻ œ [~] f□f ⁻ •	!¥ ⁻ ;	α±αSα	Š1f ⁻ 1TM
± ⁻ 1α ⁻ f ⁻ ~μ¼ ⁰ f—>•	¼ ⁻ ~!f ⁻ ~ ⁻ ±αμ ^a	α	TM•—"
	@μ ^{a3} f ⁻ ¶ ⁻ μ ² ©	α	
	@ ⁻ 1 ⁻⁰ ¶±,μ¥ ⁻ ±	±	
	2a ⁻ ~Sf±α ⁻ ¶	α	œ•"
~f ⁻ ~¶f□ ⁻ ± ⁻ 1α ⁻ f±α ⁰ « ⁻ ¶!f"••"	¶ ⁻ α ⁻ ~±~!± ⁻	α	œ•—
~α ⁻ μf ^{2±-1°} α ⁻ μ ⁻ f ⁻ ±f¥□Š~•	~ ⁻ ~1¶¼μ ^{a0}	°	—>—"
~μ ⁻ ¶f« ⁻ TM f□f>>	± ⁻ ~1μ ⁻	α	œ•S ⁻
±α ⁻ 1 ⁻³ f ⁻ ~•	μ ⁻ 1± ⁻ S	12	>~—œ
•—œ—f>>2¥f ^{2'3}	μ ² ¥μ ^a f±±α	°	—> TM
>Š TM —f>>2¥f ^{2'3}	¶ ²⁰ •@ ²	°	—>>TM—
~μ ⁻ α ⁻ f ⁻ μ ²³ « ⁻ 2¶f"—•—	~ ⁻ ~122 ⁻ μ ⁻ •α ⁰	±	±~ ⁻ Sf®~± ^a S ²⁰
~1α ⁻ fαμ ⁻ ~ ⁻ f□@μ ^{a3} fS ⁻ ~ ⁻ © ⁻ αμ ⁻ ¶f□f ⁻ ~±,	αμ ³ ¥ ⁰ α« ⁻ ¶	α	32ŠfŠ>>Š
•~œ~f>>2¥f ^{2'3}	°~ ⁻ 1f±~α ⁻ ± ^{-2°}	~	TM ^{""} œ
~1~μSf±~Sμ ^a f—TM"•	~μ ⁻ α ⁻	α	œ—"
~μ ⁻ ¶f« ⁻ ~f ⁻ ¶ ⁻ 0f ⁻ ~"	2 ⁻ ± ⁻ °αμ ⁻ α¶	α	œ~—"
>ŠŠ"—f>>2¥f ^{2'3}	±μ ³ ¥,α	±«	"—•
>>" f>>2¥f ^{2'3}	¼ ⁻ μ ⁻ 1 ⁻ ¥	°	
	¼±α¥ ⁻ α	α	
TM—>TM" f>>2¥f ^{2'3}	α ⁻ ±α ⁻ α	α	—"•"□">—TM
	± ⁻ 1α« ⁻ fS±αμ ^a	°	
¼α ⁰ « ^{a-} « ^{f~} @ ⁻ α ⁻ fμ ⁻ •αμ ⁻ f~Š—TM	~±~23f ⁻ αμ ⁻ ± ⁻ ¶	2μ	œŠ~"
>>••f>>2¥f ^{2'3}	S ⁻ ~ ⁻ © ⁻ ~μμ ⁻ °	1α	•~"TM
•~f>>2¥f ²³	± ² •¶ ² «	•>	ŠŠ•—□~"
~μ ⁻ ¶f± ⁻² ~α ⁻ ¶f> TM f ⁻ ~¶,¶	>>αα	2±	~"¶f"μœ
~μ ⁻ ¶f± ⁻² ~α ⁻ ¶f> TM f ⁻ ~¶,¶	>>αα	2±	~"¶f"μœ
~f>>2¥f ^{2'3}	±μ ³ ¥,α	±«	"—"•□~"
•~f□ ⁻ ± ⁻ 1α ⁻ fS±α ⁻ μ ⁻ 12fS TM S~	¶ ⁻ ~ ⁻ α±α ⁻ f¶ ²⁻	α	œ ^{""} —
•~œ~f>>2¥f ^{2'3}	αμ ³ ¥ ⁰ α« ⁻ ¶	~	TM ^{""} œ
~1~μSf~± ² ¶Sα ⁻ αf—•	¶ ^{a±} ~μ ³ ¶f ⁻ ~¥	°2	TM—"

“—•f»2¥f'2'3
 .~!µ~|fS~|~©2µf—•
 ‘S1~¥fS±αµaf'''~
 1/4α0f±2.«a~µ|fš-œ~
 “'''†f□Sα2µf±'Sα°af—œ”
 .'''µ.¶f...α...f''''f□f-š>š
 “œ'''f»2¥f'2'3
 ..~|~1>>2µf□—†f'µ'µ
 S220'®α~f“TM~'''
 Sα2µf''®α~f±±'α|f~—œ
 ~'''—f''¶f□¶α|~µ'°αf'«.f©2f1αf“•'''
 š”f»2¥
 —š”f»2¥f'2'3
 α□—”f»2¥f□•f'';2µ
 Sα2µf.±~23fµ'¥°~.f□TM~f»2¥
 ''1~µSf@|2~.±~|~©f—
 1/4α¥f±~©©α¥f”••
 .±'¶µ|f.µα¥2«f-š
 ~—f»2¥f□•f'';2µ
 ''1~µSf1/4α0°af'''œ”
 ..±'1αf1/4µ''°2α.±2°f—>•
 ''1~µSf¶~µ~fœ“—>
 α°°'f'''>
 ''|α~3fµ°α°f±1/4µ¥f«;2¶f—
 ‘S1~¥fS220®µα3f—“—•
 ~TMf»2¥f□'''f'';2µ
 ""f»2¥f'2'3
 .¶f«.•'f°f~TM—•

š>š“TM TM f¥23

•µ,2|f1/4±α...~µ¥f”•—•

.'''µ.¶fα~|µαaf—TM•~—
 1/4α0f±α~33αf•”
 œœ—f»2¥f'2'3
 œœ—f»2¥f'2'3
 —>TM~f»2¥f'2'3
 —>TM~f»2¥f'2'3
 ..±'1αf¶~¥¥2µf''''šfα-fa±~S~|~.¥f□''''¶|~Sf2|
 ""±f.µ,2|f±2.1/4αSf••—”

¶°'«..α°
 —~|~α±µ2«.
 µ2¶S±~°
 2.±'°αµ|α¶
 ''¶2f±α¶
 |¥f□α.~S
 «.~¥α1/2~
 2|f1/4¥a~S
 2¶α3f~
 α»±~
 ®µ21/4f°±
 ''a±αµafα~
 »±2µ¥
 α±2~2®2
 3~«¶S±'~µ©
 ±'µµα°
 2±α~3
 ±α~3'±
 ..~|~11/4µµ'¥
 ..~2~µα«|
 ±2.¶±αµ|
 αa22±α..α«|
 ±2.±'µ.
 α~S°°
 3,~|~α1/4,3
 ''±α®23¶
 ''αSα±~µ3¶
 ''3°°.
 ..~|~1'..1/4α©
 ®°α«2°f''®α~
 2.±'°αµ|α¶
 2.±'°αµ|α¶
 «|α'¥f'α1
 ±2.1/4αS
 ''±1/4α°
 α¶2µfα.±α¶
 ''±2.¶Sα~a
 ''S~¶|±α'12
 ''12µa±2~±,
 S~|~©'aS~µ
 1/4.~|f±2~±,
 1/4.~|f±2~±,
 1/4.~|f±2~±,
 1/4.~|f±2~±,
 ''αSµ'S,α~f'.©
 ''αSµ'S,α~f'.©
 α~«3~Sα~|~«3
 ±2.±'µ

±|
 2±
 2±
 |α
 |α
 |α±αSα
 |2
 |
 ±¶
 .»
 ®¶
 ±1/4
 ~|~
 ±1/4
 °¶
 °°
 ±
 .»
 2±
 1α
 ±|
 µ~
 .±
 °2
 3α
 0α
 0α
 0α
 α1/2
 αα
 ±
 |α
 |α
 |α
 2«
 ±
 |α
 |α
 °2
 ±1/4
 °~
 |.
 |α
 |α
 |α
 |α
 ©~
 ©~
 3α
 0α

•>'TM
 ~|~.f—•
 ±>.f'°•
 œ~>—•
 œ~'~•
 1—|f—®~
 >''''š
 ¥“1f”α“
 šœœ•~
 TM TM•~
 ""~TM
 TM~•~
 ""—š”
 —>TM“
 “~—š
 “š“TM“
 š~“š~
 ®«f~¶|~
 ••TM'''
 ••”TM
 “œ~□—•”
 —š—•
 TM__TM_>
 ”œ~TM—
 œ>—š—
 œœœ•“TM
 œœœ”š—
 >~•”
 œ~>TM TM
 —~—~œ
 œ—~>š
 œ—~>š□—š'''
 œ—~>š
 œ—~>š
 —'''
 —'''
 ”œ'''
 œ>“TM

Sheet1

«·»TM“f«·,2¶¶f”•”
 §µ-œ”f«·,2¶¶fTM—
 “1-µ§f”µ±±”f>”
 ¶¶¶µ§§αf§α≠f·µ·¶¶f±-α°fTM•
 “,±”1αf±-①±2¶f~
 “,±”1αf±2≠,§,αfTM
 ·µ·¶¶¶¶”-α°f§

±2.a±-§§αfTM“œ”
 “µ-«¶±-2¶±-α°fœ”-
 “1-µ§f¶¶¼”①fµα§”f•“—”

~·f>>2≠f□”f§µ
 œTM-f>>2≠f’2’3
 œTM-f>>2≠f’2’3
 œTM-f>>2≠f’2’3
 “1-µ§f”αµi°f>>2±①f——“—

TM-§-f≠23

•§~f>>2≠f’2’3
 §“”œf≠23

TM“”f≠23
 -f·-±,f’§1-≠f¶¶-α-α¶fœTM§~

~“§f>>2≠f’2’3

“••f±!□1αf¼°③fœ-•”f□¶¶·¶¼¶¶f”-①©2
 ·µ·¶¶f§α2µ≠f«·µ±±f§—
 “>>§”f>>2≠f’23
 >-TM-f>>2≠f’23

“·..α”¶¶
 “·..α”¶¶
 α°2¶α.
 ±2.°α«a±-≠
 ±2.°α«a±-≠
 ±2.°α«a±-≠
 ±2.°α«a±-≠
 ¶¶-23α±α-§±-
 a±-1µ-
 a±-1µ-
 “-1¶¶-α°-
 aµ,≠±α·µα3¶¶
 2µ2≠¶¶±”µ^a
 α2¶¶
 α2¶¶
 α2¶¶
 “-1¶¶,·-
 “2µ±2°
 “2µ±2°
 §µ2②±α·¶¶
 «·,2°¶¶·µ23
 α-±α§
 µ”1±·§
 ①“µ¶f,±-α°
 ±·±f§±αµ^a
 §±2°§”µ
 §±α-¶¶fµ”µ”µ°
 aµ,≠¶¶µ”·3f·¶¶
 2αα!-α¶
 “12¶f±·-a
 ±¼-①22µ≠
 ①µ2¼f0’±
 ¶¶-23α”±±-°
 aµ,≠«!±¼-
 2±¶¶µ©
 «a-”αµ
 “·µ23α-
 ±2.±·µ·
 ±µ2≠µ-α©
 2a”-§f±α¶¶
 αµα-¶¶fα·±α¶¶
 ¶¶-α3°°
 ¶¶”±-2°f¶¶§
 ±2¶¶-§α°
 aµ,≠¶¶”α^a
 ¼µ,≠”§§-°
 µα°¶¶§⁻²
 “-1”①-3
 ¼”«!-µf.3

°α
 °α
 °α
 ±¼
 ±¼
 ±¼
 ±¼
 -±
 ·>
 ·>
 ·>
 ¶¶!
 °§
 ©-
 ©-
 ©-
 ©-
 ©-
 -α
 -α
 ¶α
 ±«
 ©-
 ¶
 ¶
 °α
 °α
 ©-
 -
 ±¼
 ±¼
 ±¼
 °±
 ¶α
 ¶α
 ±¶
 ·>
 ±
 2«
 ¶α
 ¶α
 ·±
 -α
 ±
 -
 ¶.
 ©-
 ①¼
 ©-

œ>”→
 œ>”→
 œ>—“TM
 ”-œ“~
 ”-œ“-
 ”-œ“-
 ”-œ“~
 §~“TM•
 §~“TM”
 §~“TM§
 •”TM-œ
 -·œ·-□“-TMœ
 -·œ·-□“-TMœ
 -·œ·-□“-TMœ
 -·§“
 œ——“œ
 —““—
 >“•œ
 œ>“—
 —§”—
 “““·—
 “>TM·~
 —~·—
 œ·””§
 œ~“~□“-TM→

§²μf [—] °f [—] •	¼μ, ¥§²²°	!α	
§²μf [—] °f [—] •	®±α«³α¼	αα	
§²μf [—] °f [—] •	®±α«³α¼	±¼	””œ>“
§²μf [—] °f [—] •	®±α«³α¼	±¼	””œ>“
•¹-μ§f«!-°±””μªf¥f-“””	®²²©©, ¶	±¼	””œ>“
	²!-«!	!α	œ~œ•™
	•¹-μ°°, ¶	¶!	
•±α ⁻ f¥ ⁻ α®”§f→™~	•¹°°, ¶	±	
	¶¶²μ!μ²±	αα	-““œ-
	α³°α.	© ⁻	
™””f”””¶f□’§¹¥f””¶²f±α¶f“§””	•¹-¹±²¶!®!α	© ⁻	-••-
>-†f□””¹-μ§f””f””±±α«!f«., ²¶f””-	¶!αª¹f¶α ⁻	±¹	>œ””œ
~>””f>²¥f²³	”!±αμμ².	!α	œ”””
•¶f¼μ”°²-f±f•“”	•¹-μ””μ²³	!α	œ-~š
	°α«.α«!	²±	
	•¹¶-f±””α.¶	±¼	
	μ””¶””«!² ⁻ ª	!α	
	>>α©μ-α©	!α	
”™”-f>²¥f²³	>>-±”²«³	α¼²	>~“™”™”™”
~™”f>²¥f²³	®!²μfª-¥	•±	-š•-
”¹αf¶§μª°§”fœ“™	±².¶!±-®	±!	•>””
””±f””±¹αf«.™™f□f“-	α²!α.	°α	œ>••
..”!°α©f«., ²¶f•™-	α²!α.	°α	œ>-“>
•””μ.¶f§μ²©»²f«., ²¶f>“™	α²!α.	°α	œ>-™~
	”²«α.f””®α ⁻	±¹	
	””¶¶α«α ⁻ α.	© ⁻	
	α³°α.	© ⁻	
•””μ.¶f±-α°fš>-	•μ²³.¶”°	!.	“™”>“
	±².±α!	°-	
	•¹-μ°°, ¶	¶!	
	ªμ, ¥¶-μμª«	³α	
	•¹-¹±²¶!®!α	© ⁻	
•””μ.¶f§μ—f”°¶f“œ•	±².±”μ	°α	œ>””
	±²§±μ”	!α	
	α-μ§±α»”α	!α	
μ§f±²-!±, f§±αμªf””•”	¼.α®	•>	šš~“
•””μ.¶f [—] ²μμª!f—™	±².μ””α°	°α	“•”š.
	±².¶, ²«	•>	
	²§±α ⁻ μ²	© ⁻	
	±².¶!®μª ⁻ !	°-	
	α.±α ⁻ .α	αα	
•¹¥α°αf•™”>•	²-¹f±²-¶¶-°	!α	œ•™œ•
	±α..α«±α°	±¼	
	±².±.α.¶	!α	
	¶-²³α”±±-°	°±	
	°²μμªf±”®²μ¥	²®	

Sheet1

“1-μSf”|αμ·f^{a±-S±-0f}—šTM
—•f>>2≠f²³

œTM”f>>2≠f²³

“μ·f-°α-°α·f”©□~>”
α^{1/2}α⁻³f’fTM••”
“1-μSf”-αα”f-•

“1αf<<.TM f·f|α”f——•
ššTM”f>>2≠f’^{2:3}
—•“~”f>>2≠f²³

”>f>>2≠f□·”©μ⁰f’⁰¹±f•——•

“~“•TM f>>2≠f²³

šμf²⁻α©©,≠fTM—
‘šμf’f₂«μ²⁰fTMš•

šTM”f>>2≠f²³

š²μf⁰².f|α-α⁻³f>TM”

š²μf⁰².f|α-α⁻³f>TM”

š²μf⁰².f|α-α⁻³f>TM”

>—•f’•.f|f□1αfα-^{-2±α}α°f’fTM”

“1-μSf^{1/4}”-αSfTM”

“±”1αf±-α·±, ²©fœ•”

š²μf⁰²α¹²šμ²¹f>—”

“1αf<<·œ-f·f|α”f>

“1-μSf^{1/4}š, °f••

TM TM-~>f>>2≠f²³

~TM••f>>2≠f’^{2:3}

α-±-αμ-1f·f’⁰□•-•-

±-©©-•

±².f₂«

α-μ”©α-

@!2≠≠, -

—-α<<fμαš”!

1/4·-1|f”-αš

αμ²α⁻¹|fα·±αf|

“..²-μα<<|f·μ²³

š”-α©^{a±-μ}3f|

@|⁰·-α©

2±α⁻³

μ”^{1±}š

—°μα!

@!2μ”-•-α-

a±-šα”μ

“..α”f|

±².a±-μ²

“!±”š±”³š±-α

—αš±”-a

-α±±-|±-|

°α<<^{a±-0}μ-≠

f|α©α·-α<<|⁻⁰

±².1/4α⁻¹

±².f|α”

±².f₂«

šμ²©š”°

02.f|α-α³

02.f|α-α³

02.f|α-α³

02.f|α-α³

šμ²©”šš-≠

šμ²©”šš-≠

šμ²©”šš-≠

“..²-μα<<|

°-”<<α±α

2.α^{12±}

«^aμ, ≠f|α-α³

«^aμ, ≠f|α-α³

αμ, ≠f|μ”<<-α^a

|≠f□μ”¹, 2|±α¹

@μ^{21/4}f⁰·±

«^aμ, ≠f⁰·±

μ^{2±}α”<<

2š±α-μ²

°-αf|μ”

»±”²<<³

±².©-|

°-αf|

2«

·»

·”>>αf|

·»

·»

1α

|α

©-

°2

, ±-”šf@-±^aš²⁰

·»

|²

-š

αμ

3α

°α

1α

@^{1/4}

|α

2«

α-

·»

±|

|.

·»

±

±«

±«

±«

±«

°·

°·

°·

±|

|α

|α

3α

3α

°š

|α±αš

±^{1/4}

±^{1/4}

, ±-”šf@-±^aš²⁰

©-

3α

-f|μ²-

α^{1/2}

±

±«

šš“TM

š”~œ

š”~”

—œ—>

TM”>—

°@—~f”μ<<

>“•TM

—TM“—•

š••—”

œ>”š

—~•”

•š~“

“TM TM”•

“—>TM~

“—>TM~

“—>TM~

“—>TM~

œ>“—

œ—œ—œ

”~•“~

”~•“TM

1⁰f”š

š”šfš≠μ

—•>□~TM TM

œ”~••

>”~œ

Sheet1

“±”¹af<>œf“±fTM—”
 “—”f₁¥.¶²³
 >”—”f>2¥f^{2'3}

“”μ.¶f.¶—f.¶“°<<. 2¶f“••”
 §a²μf.¶±, ¶f⁰¶fš”•
 “±”¹afμ.¶¥“°f⁰¶f~“>
 μ^{-1/4}.f⁰¶fš”>
 œš•”f>2¥f^{2'3}
 >”•œf>2¥f²³

—š—”f>2¥

“1-μSf±a¹”³f“”
 “1-μSf±a¹”³f“”

š>TM-f>2¥f²³f“±a⁻f a⁻”f—”
 •μ, 2¹f²»-’f±2Sf•
 “1-μSfμa⁰²-μfTM”•
 ‘S¹-¥fa.¶-1fa°-μ³f.¶a”fš—

“”>f>2¥f^{2'3}

œ—•f>2¥f²³f-□S•f“”-¶, ¶f.¶f±2.°, ¶f”-•
 —°of.±-1©f“”-αof“”š•f>2¥f^{2'3}

~—~f¥²³

š•”f>2¥f^{2'3}

œ>—”f>2¥f^{2'3}

“•†fμSf”S-¶μ¹-μf~••”

“>”œTMf>2¥

“|a⁻³f<<—f“”f~š•f¶¶-μ³μ”±”f“”@|°f²’|

“±a⁻fμ”<<•α”<<f“”¶f“•—TM

“””f>2¥f^{2'3}f”|_©©²f⁻a-μ².-S“”¶¶±-¶, ¥

μ¹, 2|±a¹
 aαα<<f±”Sf“”f“”•
 ¶¶a¹f¶¶a⁻
 >-±”²α³
 02Sα”°a±2⁻

α@”³².

α@”³².

α@”³².

α@”³².

α@”³².

“@α”³α¶¶“<|

1/4.~|f.¶”°S-°

2.±2μ².

±2.a±-α¶¶a⁰

“@α”³α¶¶“<|

2a”-Sf±α¶¶

¶¶”³α±

±2.¶, 2<<

“..²μα<|

¶¶, 2⁻.¶f”@α⁻

1/4¥“<¶¶

1/4μ, ¥±αS

S²²⁰a±2⁻

“±1/4a⁰

“~|, ~f’.¶f.μ²³

“~|, ~f’.¶f.μ²³

“~|, ~f’.¶f.μ²³

S±a⁻±-1

°α<μ, S

±2¶¶±”1”.¶¶

a±-°21/4°

¶¶°±f.μ²³⁰±

μ”¹²S±αf<<.μ²±

±2.a±-¶¶±”@

±2.¶, 2<<

—, ¥°, μ.

±”S-μ”°

±2¶¶|.

S^{2201/4}-2<<f<<.μ²±

α¶¶|.

α¶¶|.

Sμα<|μ²f.μ²³

2¥¶¶²³

a-α³-Sα⁻-α<<³

μα¥±, S

°α

<<2⁻α±S

±1

α1/2

°α

0-

@¶¶

@¶¶

@¶¶

@¶¶

@¶¶

1α

2@

!α±αSα

±

1α

!α

©⁻

·>

±|

°2

±|

!.

©⁻

±

©⁻

©⁻

©⁻

±

±|

!.

°-

1α

°α

°S

·>

!.

!.

α1/2

!α

2@

2@

°α

°α

3α

°α

01

3α

œ>TMTM—

>œ””•

TM TM TM””□•”—

TM TM TM”—

TM TM TM“TM

TM TM TM”•

TM TM TM“”

•—”

•—~

•>”“

“š—š“

—œ~•

—œ~•

—œ>—

“TM—œ”□“>”~

“”>—~

•“>œ~□“>•—

“TM TM””

“TM—~“

>š“•

œ”TM“š

š—”TMœ

š—”~

œ>—TMTM

œ>—š“

Sheet1

“TM_”f»2¥f'2'3

“TM_”f»2¥f'2'3

“TM_”f»2¥f'2'3

“±”1αf·μa0·f“TM

•~f°22μf□~2·~3α!f“«.

1/4α0fα·f~1f—“

‘S1~¥f@μa3f±α~!2f”“œ””

““_____TM f»2¥f'2'3

œ»””TM TM f»2¥f'2'3

“±α~1/4μ2@!~«f””ŠŠ

””œf»2¥f'2'3

—”TM TM·f»2¥f'23

±2.a±~«~fα0f·f”°f~•

‘S1~¥fμa0~”Sf””ŠTM

·,!~·!~±±2!f@2f1/4·~fμ~1~±,f~•□, f□·3”Sf«~f~a±”

‘·»”fSμf1/4±·~«°f>—f~22«~fSαμa

“±”1αf°, 1/4fαf>œš”f’±±2!f@2f’

—α«fS~±μa~f””“·f□CEf±αμ·□!3<

“1~μSf””aS~μ¥μ,·f””•

”•~f»2¥f'2'3

”•~f»2¥f'2'3

”•~f»2¥f'2'3

“1αf°α«S~2f””f~••

“1~μSf±2S±αμ¥f±f~—”

—”>f^a±~S~·,¥f□»!«'S3!

“±~1/2αa0f1/4αμ~±”f°, ~·μ2f±2!fμ~·, 3°2!f±αa~«!~°

αS~μ2~©f«·, 2f@2f1/4·~fμ~1~±, f@S“~f, S”

μ~·±~!f2@±~f~f!~, f@f!, fœ“~f!1f!

”œ””TM·f»2¥f'23

””>””f»2¥f'2'3

””>””f»2¥f'2'3

””>””f»2¥f'2'3

«·, 2f!f””f·f!α”f””•

•~□~f□>”>f»2¥

~Š~□~f□>”>f»2¥

f~r~23α~±±~°

f~r~23α~±±~°

f~r~23α~±±~°

1/4·~!f±”Sμa

±2.a±~«~fα0

±2.a±~«~fα0f·μ2©

f~r~a±αf~f2~

f~r~a±αf~f2~

f~r~a±αf~f2~

~r~1±””μa

1/4α~S±~©

±1/4~@22μ¥

±2S1/42μ!

1/4·~!f~f!αf±α@

1/4·~!f±”Sμa

«~f!α¥α0

~r~1~r~°

«·μ20f·μ2©

~r~1±””«3”·f!

1/4·~!f1/4·~f!μ~1~±,

f!μμ2·f!

f!μμ2·f!

Sμ2©·μa«f·f!°

~!±””μ0α~

αf!~·,

~r~1±””μa

~r~1±””μa

~r~1±””μa

~r~1±””μa

1/4·~!f~f!αf±α@

~r~1>2±@

±1/4~f±~a

¥@αf~r~°»α°

f!α~αS

a±~f!±α~f·f!α”

α3°α.

α3°α.

2a~~Sf±αf!

1/4·~!f””@α~f·~αf!

1/4·~!f””@α~f·~αf!

1/4·~!f””@α~f·~αf!

1/4·~!f””@α~f·~αf!

f!¥°, ~2!

μ~1, 2!±α1

±2·f!”μ

“μ2°μ~1~

“μ2°μ~1~

°±

°±

°±

±1/4

S!

°S

!α

!α

!α

f!

2«

±1/4

3α

°2

±1/4

~±

±

·»

·»

°~

!·

!·

!·

@f!

2@

f!

f!

f!

f!

°2

·±

~

α~

·»

°~

©~

©~

!α

·,

·,

·,

·,

·,

2«

°α

!α

!α

~_~>□_~TM“

~_~>□_~TM“

~_~>□_~TM“

””~—“

•“””

•“TM”Š

œ””TM—

œ””TM—

œ””TM TM

—~>—“

—TM œœœ•□“œ””

ŠTM•”TM□“TM”~

ŠTM—””

TM_”_“

“TM•TM œœ□””•~

“TM•TM œœ□””””TM

“TM””Š

TM TM“~”

•œTM””

•œTM“TM

•œTM“TM

•œTM“TM

~šœ”š□~TM“

TM“”~œ

~TM””•□~š”•

—>>•TM□”_“•

—TM•“□~TM””

—TM•“□š””

œ•”•TM

>”””

>”””

>”””

>”””

œ~””

œ~””

Sheet1

—•f»2¥f'2'3
 œ—”-f»2¥f'2'3
 ¶|'¹²±²|'f'²µ,·,|¹µ²af©2f'.3'§
 ”,±¹¹af.±²µ²af~”f□f””—

µ²²²af—™—”

α<|'¹©f².¹±¹ºα|fœ™™™

—~+f□¹af±²ºµ'«¶f~”f□¶±¹®µα«f”²

—§””~f»2¥f'2'3

§α²µf±²º.¶¹±, 2¹/4f~>~
 §α²µf±²º.¶¹±, 2¹/4f~>~
 §α²µf±²º.¶¹±, 2¹/4f~>~
 ±¹¹af.¶¹µ²©f™••

—•f»2¥
 —”•f»2¥f'2'3
 ”±²fµ'®α, f«µ²±f-™—

º±ff”¹af«~f“~

~—f»2¥f'2'3

>“—”f»2¥
 ·”µ.¶f«.—•f~•—

.±²º~
 1/4²µ
 ¥ºf□¹³¹±¹¹º
 ¥ºf□¹³¹±¹¹º
 ¥ºf□¹³¹±¹¹º

®µ²¹/4fº±
 ”~¹µ”±§µα²
 ¶¶²µ|µ²±
 1/4µ²af'.º
 ¹.α±¹¹|±¹|
 2a¹-§f±²¶¶
 §±²-§¹º
 α.µα³¶
 ±².¶¹±²¹
 ¶”µα«|f”®α
 ±².¹a§¹µ¥
 ±²¶µ”§±”«

”µ²º.¹.¹α¥
 ¶”¹±
 ¶”¹±
 ¶”¹±
 ±¹µµαº
 ±².¶¹”µα«|
 ±².µ¹¹¹µ
 1/4±²α¥¹α
 ”¹a§¹µf±¹¹a
 §µ²©.µα«f.¶”º
 »α©µ¹α©
 ±².¶¹, 2«
 ¹, α³f'.¶
 ®µ²¹/4fº±
 ®µα³f±¹¹®±²µ©

¶¹α¹¹f¶¹
 αµ, ¥¶¹¹µµα«

±¹/4
 ,
 |¹±²α§α
 |¹±²α§α
 |¹±²α§α

±¹/4
 ±¹
 αα
 °§
 2«
 |¹
 °¹
 ±
 ¹
 ¹
 ±
 ±¹
 |¹
 °§

2«
 2«
 2«
 2«
 01
 0¹/4
 0¹
 ±
 |¹
 1α
 ·»
 °±
 ±¹/4
 ¹

±¹
 3α

>“™§
 µ-|f—”™
 µ-·f•±•
 µ-ºf”¹/4—

>œ—”“

œ•”””

™“•””

>œ””™

_____™
 _____™
 _____™
 _____”

~_~•
 “§”>
 “™”œ

~””•

™“”_”

>œ””•
 ”§”_

Sheet1

DAY,C,15	DBBS,C,15	FAX,C,15	FREE,C,15	UPDATIASS(TY RA
•~—□—•>’š”š				### § □
•š~”—•~□>“				### □¶³ © ±
“~>”□—šœ’™”œ				### □¶³ § □
™™™™•□œ—•□š“—				### § ¥
				### § ¥
				### § ¥
				### § ¥
				### ¥ ¥
				### § ¥
				### ¥ ¥
				### ¥ ¥
				### □¶³ § ¥
				### ¥ ¥
				### ¥ ¥
				### ¥ ¥
				### □¶³ §
				### ¥ ¥
				### ¥ ¥
				### § ¥
				### ¥ ¥
				### □¶³ §
				### ¥ □
				### ¥ ¥
				### ¥ ¥
				### § ¥
				### ¥
				### ± ¥
				### ¥
				### ¥ □
				### ¥ ¥
				### ¥ ¥
				### § ¥
				### ¥ ¥
				### ¥ ¥
				### § ¥
				### □¶³ □ □
				### □¶³ ©
				### □¶³ §

Sheet1

TM“→□šš—’—“
 >TM“—□šš~’TM”
 ~œš>□œ—’•”
 —“TM—□•š~”•

œœš™□”>™’—’>
 TM•œ”□——
 ”š“□”>—’—”š

→>š□™→’—“~
 >~>□šœ•’—”œ

“—™□—™”“—
 •œ”—□—•’™”~
 •””□—œ~’—”š
 —~”□•→’>—
 ”~•□~œ”“—
 TM•—“□•œ•”~”~

TM~>”□œ•’š”™

•œ•□~œ—□—”•

—™™•□>™>’—“š

~>œ•□——’•” œ™~□”~”“>
 œ”~□”~”~”“—

œ>™™□>“•’—”•
 “>—œ□™•~”™”•
 “>—œ□™•~”™”•
 œ™”•□•š”“—

~”~□™™~’™”•
 ”œ”□™~’™”~

—”→□—š•’•”~
 —š•—□œœ’>“—

”•>“□—š•’—”~

“~—□š™™’—“š

•——“□š•š”~”~

™——”□>™”“•
 ”“——□—œ—’™”•

™™••□——š’•“™
 —“™š□“œ>”“—
 ~——□œ••’š”™

”•>□š™™’——š

>•—š□—š’>“œ

•—™œ□→š’™”•
 ™œ>—□š→’——™
 š™—œ□œ——’>“—

### >	§	¥
###	§	¥
###	§	α
###	3	±
###	¥	¥
###	!	¥
###	!	¥
###	¥	¥
###	¥	α
###	¥	¥
### α¶³	α	α
###	§	¥
###	§	!
###	§	¥
###	§	¥
###	¥	¥
###	!	¥
### α¶³	α	α
###	¥	¥
###	¥	¥
###	!	¥
###	¥	¥
###	§	¥
###	¥	¥
###	§	¥
### α¶³	§	¥
###	3	±
###	§	¥
###	§	¥
### α¶³	α	α
###	¥	¥
###	¥	α
###	!	¥
###	¥	¥
###	¥	α
###	¥	α
### α¶³	§	¥
###	!	α
###	¥	¥
### α¶³	§	α
###	¥	¥
###	!	¥
###	¥	α
###	¥	¥
###	§	±

	š->"□—•~—"š	### □¶³ □ □
		### ¥ ¥
		### □
•••TM□œ—~'—"		### ¥
•••TM□œ—~'—"		### ¥
•••TM□œ—~'—"		### ¥
•••TM□œ—~'—"		### ¥
	š">"□—~'—"	### ¥ ¥
		### ¥
		### ¥
		### ¥
		### ¥
•—•~□š—š		### ¥
—□>š—'•"~	—"œ•□>š—'•"~	### □¶§ § □
TM—~□"——'>">		### □¶³ □ □
	"—>"□—•>'~"~	### ¥ ¥
	>"~"□—>'~"~	### ¥ ¥
~"—œ□œ"TM'>">		### § ¥
	—~"œ□"TM'—"	### ¥ ¥
	•"•TM□"•—'—"	### ¥ ¥
	š"š"□•~"~"~	### ¥ ¥
	"—TM—□>š'TM"—	### ¥ ¥
">—>"□—•—'—"		### □¶³ § ¥
""œ□"~'—'—"		### □¶³ § `
	•œ—~□——'—"	### ¥ □
	—"TM"□œ—>'>"š	### ¥ □
		### □
	~"~TM□—>'—"	### ¥ ¥
	œš•š□~œ'—"	### ¥ ¥
"TM•□œ—•"~"~		### ¥
"TM•□œ—•"~"~		### ¥
"TM•□œ—•"~"~		### ¥
"TM•□œ—•"~"~		### ¥
	>—~"□šš—'œ"œ	### ¥ ¥
~—š□•"TM'>"TM	—"š~□>œ—'>"TM	### □¶³ □ □
		### □¶³ □ □
	~—~□TM~•'œ"TM	### ¥ ¥
	">•"□—>œ"~"~>	### ¥ ¥
	•>•"□—>TM'>"~	### ¥ ¥
TMš->"□TM>~"~"		### ¥
"œ—š□—œ"~"~"		### ¥
	š>š~□TMšTM'TM"•	### ¥ □
		### § ¥
	~—~□>——'—"	### ¥ ¥
	œTM—"□—TMœ'—"š	### ¥ ¥
	"•š—□"œ>"~"~"•	### ¥ ¥
"~"~"□"œTM'—"		### § ¥
	>•œœ□•š—'œ"—	### ¥ ¥
	š"šTM□"~'—"	### ¥ ¥
	>œ>—□šTM—'œ"TM	### ¥ ¥
		### □

~šœœ□">š'>">		### □¶ ³ § □
~šœœ□">š'>">		### ¥ □
~šœœ□">š'>">		### □¶ ³ ¥ □
~šœœ□">š'>">		### □¶ ³ ¥ □
	>œ—"□•→'™"š	### ¥ ¥
	™_~"□™_~'™"™	### ¥ ¥
	™" —□—•—'— "š	### ¥ ¥
š""•□~™•'š">		### □¶ ³ § ¥
—"~—□š>~'š"		### ¥
—"~—□š>~'š"		### ¥
	"™œ"□>—•'_~"	### ¥ ¥
	•—""□"™œ'™"œ	### ¥ ¥
	—œš□™>>'•™	### ¥ ¥
	"~™™□™_—'—"	### ¥ ¥
	>_™"□—š™'>"š	### ¥ ¥
	œšœ"□•œ•œ"œ	### ¥ ¥
	œ™>—□œ™>'•™	### ¥ ¥
		### □
	"">•□~œ—'š"—	### ¥ ¥
	•~š□>~'""š	### ¥ ¥
		### § ¥
		### § ¥
		### § ¥
		### § ¥
		### □¶ ³ □ □
	š"—•□—œ'•">	### ¥ ¥
	•š""□"—š'>"š	### ¥ □
	>œœ"□"—š'•—	### ¥ ¥
	—" —□œ•—'™™™	### ¥ ¥
	™"š™□~—'œ"—	### ¥ ¥
		### § ¥
	—œ~"□•—"">	### § ¥
	→~•□•š"">	### § ¥
	→>>□"œ"">	### << □
•——□>>š'•™™		### § ¥
	œœ—"□•š'™™™™	### ¥ ¥
œ"š>□——'•™™		### § ¥
	~š™™□"œš'—">	### ¥ ¥
	œ~""□~™'—"œ	### ¥ ¥
	—™>~□—š—'—œ	### ¥ ¥
	""~š□œ•œ'™™œ	### ¥ ¥
	—™•™□™š•š'š"	### ¥ ¥
—œ™~□—šš		### ¥
>~"□"—œ		### ¥
	>•™™□•šœ'>"š	### ¥ ¥
""—•□—™—'š"š		### □¶ ³ § ¥
	—•š□•~—'š"•	### ¥ ¥
	—œ•š□>™~""•	### ¥ ¥
""œš□™œ'š"™™		### ¥
œœœ—□—œ—'š"™™		### ¥
">">□š™_—'š"™™		### ¥

“>”>□š™_’š”™		###		¥
“>”>□š™_’š”™		###		¥
—~œ•□“>”>“~		###		¥
~>—”□ššš’š”™		###		¥
“~œ“□œœ™’œ“—		###		¥
	>>•œ□š>>’—“•	### □¶³	□	□
	šœ>>□~••’~”	###	¥	¥
	~”~”□~>’—”œ	###		¥
	™™™~□—œ>’—”	###	¥	¥
	—”~•□™_____’—”™	###	¥	¥
		### □¶³	§	
>š””□~š—□œ“		### □¶³	©	
šœ“œ□š—œ’—”š		###	§	¥
	>—”œ□•š>’•“™	###	¥	¥
	~•>□—šœ’—“>	###	¥	¥
		###	§	¥
	~>œ□š™™’—”œ	###	¥	¥
	”™š—□™_•’—“•	###	¥	□
”•“™□”š•’—”œ		###	§	¥
	œ>~□™>~”””>	###	¥	¥
	™œ→□~••’~”~	###	¥	¥
š—~□~>’™”š		###		¥
~”~”□•>’™”š		###		¥
~”~”□•>’™”š		###		¥
š—“—□~>’™”š		###		¥
	“š_™□•_•’_”š	###	¥	¥
	™~•—□œ—š’—”š	###	¥	¥
~””•□_____™		###	§	¥
>>•□_____™™’™™“•		###	§	¥
œš—“□~—~’™™“•	±². . ¥”””>	### □¶³	□	□
	—•œ>□”š™’—“š	###	¥	¥
	•™œ—□•>—’œ”•	###	¥	¥
		###	°	□
		###	§	¥
	š™œ—□™œ>’>“~	###	¥	¥
	š•~□_____•’œ”~	###	¥	□
”””š□™_š’•”~		###	§	¥
	™™œ”□>š•’~”~	###	¥	¥
		###	§	□
““—“□—š•’~”>		###	§	□
		### □¶³	§	□
	š—œ~□”™_____’—“—	###	¥	¥
	”š>>□>™•”””™™	###	¥	¥
—œ”>□_____™’™™”~		### □¶³	©	
”>>□šœ~—“™		###	©	¥
	>•™□>>_____’™”~	###	¥	¥
	>>š>□”>—’™”œ	###	¥	¥

•TM>>□š~TM”™“—
 ~”š□“šš”™“—

•~—TM□œ•~”š”•

—“•—□”>š’œ”œ
 œ>~“□—TM•”™“TM
 —“šš□——’—”>

—“TM“□šš——’TM”œ

>>TM~□š>œ”™“—
 TM•~□“~”•

šš——□”TM~”œ“TM
 >>—”□~œ”~”•

~——•□“š”™“—

—TM—š□~TM•”™“•

š~TM~□TM—>’™“•

>œ“~□TMš——”™“—
 —“œ>□š~TM’š“—

••~>□~——’—”>

“œ“š□—œ—’——”•

•TMš——□”>—”™“—
 •TMš——□”>—”™“—
 •TMš——□”>—”™“—
 TM——~TM□TM~——’™“—

TM••>□>TM——’š“>

—”™“•□š—>’•”™

š——□—œš’™“—
 >——□—•——’——“>

š“•~□•—š’™“•
 œ“œ”□—šš’——“—

—š>>□——~——’š”TM

”——š——□—>œ”™“>

“TM——~□š•TM”™“•

”——œ~□—š——”™“œ
 TM“š“□•——œ’•”——

š——œ□•——’•”——

”™“š□TM—š’•”——

•TM•“□”™“•’•”——

š—šš□——œš□•”——

••>•□>•——’•”——

###		□
###		□
###		□
###		□
###	¥	¥
###		□
###	¥	¥
###	¥	¥
###	¥	¥
###	□¶ ³	□ □
###	¥	¥
###	¥	¥
###	□¶ ³	□ □
###	¥	¥
###	¥	¥
###	□¶ ³	š ¥
###	¥	¥
###	□¶ ³	š ¥
###	¥	¥
###	¥	¥
###	□¶ ³	š ¥
###	¥	¥
###		¥
###		¥
###		□
###		¥
###		¥
###		¥
###		¥
###	¥	¥
###		¥
###	□¶ ³	š □
###	š	¥
###	¥	□
###		¥
###	□¶ ³	š ¥
###	□¶ ³	□ □
###	¥	¥
###	¥	¥
###		□
###		□
###		□
###		□
###		□
###		□

•→•□>•'•"-		###		□
-“TM TM □_TM>'•”-		###		□
•——□••TM'•”-		###	¥	□
~□TM•š'•”-		###		¥
œ™~□TM•š'•”-		###		¥
œ™~□TM•š'•”-		###		¥
œ™~□TM•š'•”-		###		¥
	-“-”□~→>'>	###	¥	¥
	~TM•_□“TMš'”š	###	¥	¥
	TM_“~□“œ'>“œ	###	¥	¥
	•“TM•□œ•š'””•	###	¥	¥
	—œ—□•š>'>“-	###	¥	¥
	TM_~□—š~’_”~	###	¥	¥
	>→>□•š'—”~	###	¥	¥
>œ™“□—•>”TM		###	□¶ ³	§ ¥
	~š“□—•'š”-	###	¥	¥
	TM“•œ□>œ™'™“•	###	¥	¥
	—TM”□“—TM'—”•	###	¥	¥
	•š→□—~TM'•”TM	###	¥	¥
—•TM□~œ~—“TM		###	©	¥
	—•—□š•—'TM”œ	###	¥	¥
	“—š—□šœš'””•	###	¥	¥
	š-š•□š—š'•“TM	###	¥	¥
•TM TM_□_•~’_—“TM		###	©	¥
		###		¥
		###		□
		###		
		###		□
	—“š>□š•~”~“>	###	¥	¥
	~TMœ”□•>TM'—”œ	###	¥	¥
	š~—“□š~’_—“>	###	¥	±
“š~”□•š'—“>		###	§	¥
	TM>”œ□—•'TM”>	###	¥	¥
	~œ~”□“œš'””~—	###	¥	¥
	→>—□—TMœ'>“œ	###	¥	¥
	š-•”□”~—’_—”~	###	¥	¥
•>š™□™š'•”-		###	§	¥
”_—•□>—•’_—“•		###	§	¥
	œ~>œ□”~—’_—”•	###	¥	¥
TM”š—□~—TM'œ”š		###		□
TM TM TM_□_TM_™'œ”š		###		□
TM”š—□~—TM'œ”š		###		□
TM”š—□~—TM'œ”š		###		□
	TM™œ”□”_—•’_—“-	###	¥	¥
	•š”TM□”_~œ”š	###	¥	¥
	>~š□œ—š'•”•	###	¥	¥
š”””□”™”””_		###		□
š”””□“_š”””_		###		□
š”””□“_š”””_		###		□

š•™™□“-š™™-	œ“-š□š>™™’-“—	###	!	□
	→-“□š—’-”š	###	¥	¥
	ššš™™□š-™™—	###	¥	□
	“-š™™□š™™œ™™—	###	¥	¥
	—“>>□™™•—’œ™™	###	¥	¥
	œšœ™™□—~™™•	###	¥	¥
	~>™™□—~’œ™™	###	¥	□
	š™™>š□™™—’—“—	###	¥	¥
-™™š□œš’-“—	œ>š™™□”•—™™>	###	¤¶³	□ □
>”š•□—š-’-”š	•™™□œ—’—“>	###	§	¥
	>™™□š—~™™•	###	¥	¥
	>“•□™™š™™™™—	###	¥	¥
	~™™œ□>•œ’-“~	###	¥	¥
	™™—□•š—’-“~	###	¥	¥
	>>“—□—>>’™™—	###	¥	¥
	™™~>□™™>’—”š	###	¥	¥
	™™•□—•—’™™•	###	¥	¥
	~—•”□•—’œ™™	###	¥	¥
™™š>□•™™•”œ	œ™™•™™□—œ™™•	###	§	□
—•□š—’>>	ššœœ□š—’>> >>>—□—š™™>	###	¥	□
	•—>□™™>•’>“—	###	¥	¥
	—“•”□”•š’••	###	¥	□
	š—™™□™™“—’™™•	###	¥	¥
—š□™™—’—“—		###	§	□
”•š□š™™—”š		###	¤¶³	§ □
“•—□™™—’™™•		###	§	¥
—š—□>>’•”		###	¤¶³	§
>~™™□>~>”š	~™™š□>~>”š	###	³	±
—”•□œ~™™~	“~>>—š—œ□œ>•™™>	###	§	¥
™™œ□”>’™™—		###	§	¥
•œ~□”—œ		###	§	¥
—”™™•□—œ•’>“—		###	¤¶³	□ □
		###	°	□
™™™™œ□”š—’œ”š		###	§	¥
		###	°	□
—œ•□>•™™š™™		###	§	¥
	>“~•□—œ’>“>	###	¥	¥
““>>□—œ’œ™™™™		###	§	¥
	“š•”□™™œ™™•™™	###	¥	¥
š™™š•□—š’™™™™		###	§	¥
~œ>š□>œ•’•—		###	§	¥
	œ>>•□>š’š”	###	¥	¥
	™™•—□“š™™™™—	###	¥	¥
~™™™™□—™™œ™™™™		###	¤¶³	§ ¥
	~™™•”□™™•~™™>	###	¥	¥

Sheet1

~œœ□"•š'—"š	>••"□"•š'—"š	~šš—□•—•'™™>	### □¶ ³ □ □
	"—™™™□—~—"š		### ¥ ¥
	—"™œ□~•—'š"•		### ¥ ¥
~•—□™™™œ'—•			### □
~•—□™™™œ'—•			### □
~•—□™™™œ'—•			### □
	~•>□——'—"		### ¥ ¥
	—š"œ□—>'™™•		### ¥ ¥
	™™—•—□š—>'š		### ¥ ¥
	•"••□"——™™—		### ¥ ¥
	—•™™□~š'™™—		### ¥ ¥
	>—™™□>—'—"		### ¥ ¥
	•~œ"□"œ'•"œ		### ¥ ¥
			### §
	—™™>□•š—'™™•		### ¥ □
	™™™™□—™™—>'œ		### ¥ ¥
š•œš□—™™~š"™™			### □
	š>—œ□"™™—>'š		### ¥ ¥
	—"œ□—•™™'—"		### ¥ ¥
			### ¥
	——š>□•~'™™š		### ¥ ¥
			### ¥
			### ¥
			### ¥
	—œ——□"œ—'•"™™		### ¥ ¥
	—šš—□—š—>'—"		### ¥ ¥
~——□•——'š™™			### □¶ ³ □ □
	™™œœ"□>š™™™™		### ¥ ¥
	—™™—□~•'œ"•		### ¥ ¥
	œ">—□—œ—'—"š		### ¥ ¥
	œ—~š□™™š™™'—">		### ¥ □
	š•œœ□—•——™™œ		### ¥ ¥
	•œ~•□•>—'™™š		### ¥ ¥
			### ¥
			### ¥
			### □¶ ³ □ □
	>>>•□>>—'•™™		### ¥ ¥
			### ¥
			### □
——œ□™™•~™™™™			### □
~™™•"□>•~™™™™			### □
		——™™š"□—•'™™>	### § ¥
——œœ•□——™™š"——		ž™™¶ ³ —□•——'™™>	### □¶ ³ □ □
	~™™—□~—œ'™™—		### ¥ ¥
•—"□•>'œ"š		——•™™□"——~™™™™>	### □¶ ³ □ □
š"œš□œš>'—"š			### □¶ ³ § ¥
	~œ™™~□š™™>'—"•		### ¥ □
~œ™™~□š™™>'—"•			### □¶ ³ § □
>™™□"œ~——"š			### □¶ ³ § □
	•™™š"□œ">'>'œ		### ¥ ¥

šššš□'—•'—'™		###	§	¥
	“™>□œœ•”“•	###	¥	¥
	™~œ-□~>'—-	###	¥	¥
	œ—š“□•š”š”>	###	¥	¥
”“”“□”_™’_”•		###		□
”“”“□”_™’_”•		###		□
”~“_□š>”~”_		###		□
š™_”□_œ’™”_		###		□
”_—š□_œ’™”_		###		□
š™_”□_œ’™”_		###		□
	““_”□•™_’_”_	###	¥	¥
	“”_”□œš—’•”>	###	¥	¥
	—“_□•—’•”>	###	¥	¥
œ“•~□™•>'—”•		###	§	¥
	—”_—□™™•’>“™	###	¥	¥
	šš>™□_—œ’š”š	###	¥	¥
•~œ□_—š’_™		###	¥	¥
	“”š>□>~”š“š	###	¥	¥
	>™š-□”šœ’—“—	###	¥	¥
œ“œ□œœ—’™”_		###	§	¥
	•—•>□_→œ’™”™	###	§	□
		###	¥	¥
		###	§	□
™_~”□_—’•“™	™_~”□_—’•“™ œ→•□>•”“>	###	3	□
“œ”—□š>š’_—“œ		###	¥	¥
	š—œ—□™_™’_—“~	###	¥	¥
	~“™□œ~—’_”•	###	¥	¥
	—“œ□”œ—’•”~	###	¥	¥
	→™□”š—’•”œ	###	¥	¥
		###	¥	¥
	>“œ”□“™>’•“>	###	¥	¥
	™“•>□>~—’•“™	###	¥	□
	>™™_□œœ•’_—“>	###	¥	¥
	—“š□~™>’•”•	###	¥	¥
	>“_□œ—’_”_	###	¥	¥
	>“š”□™š™’_—“•	###	¥	□
	~™™“□•œ•’_”_	###	¥	¥
	•”“•□š•”“~	###	¥	¥
	”™_—□”•™’_—“•	###	¥	¥
	”_—™□~™œ’>”>	###	¥	□
	>~•_□~™~”_—“—	###	¥	¥
	•œœ•□™_—’>”_	###	¥	¥
	“•™~□•™š’œ”•	###	¥	¥
	~š~□•>’_—“~	###	¥	¥
	š—šœ□™•š’œ”œ	###	¥	¥
—š”œ□“š’>”>	“”_~□_→>’>”>	###	¥	¥
	”™™□_—š•”“>	###	¥	¥
	—~_□œ™~”“•	###	¥	¥

TM“~—□~—’—“š	###	¥	¥
—“—”□œœš’s”~	###	¥	¥
•~>□š—•’>“œ	###	¥	¥
~>š□œ—~’—”•	###	¤¶³	¤
	###		¥
”“š“□—œ’—“—	###	¥	¤
TMœTM~□TM—œ’TM”_	###	¥	¥
	###		
•š”_□”>—’~”TM	###		¤
•š”_□”>—’~”TM	###		¤
	###		¤
	###		
š””>□~“TM”””•	###	¥	¥
“šTM“□š•—’œ“TM	###	¥	¥
“—TM□—•š’—“>	###	¥	¥
—~>“□œ—••“—	###	¥	¤
—~“□—>TM’—”š	###	š	¥
œ—~□œœ—’š“—	###	¥	¥
—~—~□>š’—”š	###	¥	¥
	###	¤¶³	¤
	###		¥
œš~□>TM’>“~	###	¥	¥
•TMœ~□“—~”””_	###	¥	¥
~š—□>œ•’>“—	###	š	¥
—TMš“□œ—••”_	###	¥	¥
	###	š	¥
•~—□šš—’>“š	###	¥	¥
•~—□šš—’>“š	###	š	¥
	###	¤¶³	¤
TM“—”□>—•’>“œ	###	¥	¥
	###	¤¶³	©
”>—□”>—□>“	###	¤¶³	š
TM•š“□~>’—“š	###	¤¶³	š
•”_š□•TM•’œ”•	###		¤
•”_š□•TM•’œ”•	###		¤
œ”šš□•TM•’œ”•	###		¤
~>TM—□—~š“TM	###	¤¶³	¤
—œTM”□œ>š’s“œ	###	¥	¥
œTM”>□šš—’—“œ	###	¥	¥
œ•TMš□š•—’~“š	###	¥	¥
—”œ□“TM—”””_	###	¥	¥
—TM~□š—•’~“—	###		¥
—TM~□š—•’~“—	###		¥
—“—□—š’TM“•	###	¤¶³	š
””>”□œ—••’>	###	¤¶³	¤
•œ~š□—’—“~	###	¥	¥
•œ~š□—’—“~	###		¥
•œ~š□—’—“~	###		¥
—š—•□>œ—”””•	###	¥	¥

—•“□—TM>”“•		###	§	¥
	•”“□>•”“•	###		¥
	~TM•~□>”“•	###	¥	□
	TM”•”□š•œ”~	###	¥	¥
~“š—□>•œ’œ”~		###	α¶ ³	§
TM>š—□œ•”“•	œTM—□”>>’š”-	###	α¶ ³	□
	œ□~—’TM”TM	###	¥	¥
•œ”□—œ—’~“	”œ”“□—TM•”“>	###		□
	>”œ—□>•”“•	###	¥	¥
—“š□œTMœ’—“—	š•~□••—’>“•	###	§	¥
”“—•□•œš”“—	œ•œ—□>>>’š”-	###		□
”“—•□•œš”“—	œ•TM—□——~”“—	###		□
”“•œ□•~—’”•	TM—>œ□œ•TM’>“—	###		□
	œTM”—□š•TM’š“•	###	¥	¥
	š•~□••—’>“•	###	α¶ ³	□
““—>□>•’—”œ	œ•TM—□——~”“—	###	3	□
	TM—>œ□œ•TM’>“—	###	¥	¥
>“œ□”>~TM“•	œTM”—□š•TM’š“•	###	¥	¥
	š•~□••—’>“•	###	α¶ ³	□
””~>□“—>’>	“•>TM□•TMœ’—“—	###	§	¥
	~•□——”“•	###	¥	¥
	“”~□•šTM”~”œ	###		□
	“œ~—□œ—œ’>“~	###	¥	¥
	š“TM”□š—’—“•	###	α¶ ³	© ±
——“>□”~—”œ	šš—□•——”“>	###	§	¥
	”š>”□TM—>”“—	###	¥	¥
	TM”œTM□•>—’œ“TM	###	¥	¥
	>>š•□•š—’~”•	###	¥	□
>>•□•œTM’>”š	—•”“□”>TM’—”	###	¥	¥
	“TM•—□•œTM’œ“TM	###	3	□
~”œTM□——œ’š”š	~šš—□•——”“>	###	¥	¥
šœ“œ□•~TM’š”š	”š>”□TM—>”“—	###		□
—œ—~□~—’œ”-	TM”œTM□•>—’œ“TM	###		□
“š”“□~—’œ”-	>>š•□•š—’~”•	###		□
•TM—š□”~—’œ”-	—•”“□”>TM’—”	###		□
”_TM—□~TM—’œ”-	“TM•—□•œTM’œ“TM	###		□
	~šš—□~œ”“—	###		□
œ>—œ□œ~TM’TM”•		###	α¶ ³	□

š->-□•>œ'™™™

œ—”□”—•’>“œ
>™-š□”—•’•“~
š>>“□”~’š“œ

œššœ□~—™™™
—™□•—œ’—™™
~—œ□~—™™™

š—š-□™—•’—“•

•—šœ□~•’>“—
—“□->š’—”œ
~•“”□š~™•“•

•“-œ□œ>š’™™•
—“—•□š-œ”™™—
œ-™™□-šœ’—“>
š™š>□•~™’-“š
—““—□>>œ’>“—
“~œ□™•—•’•“~
>œ~š□~•š’—”—

œ>œ>□>•~œ”š

šœœ>□>•~œ”š œ>šš□—•“™™>

-~“š□—•’™™•
—™™™™□š™™™>”>
>>—□>—•’>
™™—“□>-š’—“•

“~œ□š->’-”>

—™™—□~™™•’—“œ
•~š□••~š”•

•—šœ□~—•’-”š
~•>□—>š’-”š
™™“>>□>>-’-”š
—”œ□~>š’-”š

>™™>~□”—’™™”>

“™™-š□>—•’-”œ

>”™™□-š—”™™™™™™
—•™™>□™™~—’™™”•

•”->□~—□“™™>

“š™™□”-’š“—

###		□
###		□
###	¥	¥
###	¥	¥
###	¥	¥
###	□¶ ³	□ □
###	©	¥
###	□¶ ³	□ □
###	¥	□
###	§	¥
###	§	¥
###	§	¥
###	§	¥
###	§	¥
###	¥	¥
###	¥	¥
###	¥	□
###		¥
###	©	¥
###	¥	¥
###	¥	¥
###	¥	¥
###	¥	¥
###	¥	¥
###	¥	¥
###	□¶ ³	□ □
###	¥	¥
###	¥	¥
###	¥	¥
###	¥	¥
###	□¶ ³	§
###	¥	¥
###	¥	¥
###		
###		
###		
###		
###		
###	¥	¥
###		□
###		
###		
###		
###	§	□
###	¥	¥
###	¥	□
###	¥	□
###	§	□
###	¥	¥

Sheet1

•TM TM_□•_ TM'Š“—
 Š"œœ□>—'Š"
 Š"œœ□>—'Š"
 Š"œœ□>—'Š"

•~œ□→š'œ">
 ""TM~□œ—TM'—"
 —~œ□→TM'—">
 œ••"□ TM_•'—"
 "→š□•š'>"TM

TM""—□>œš'—"
 >—š"□~•'—š

šœ">□•œ~""—
 """□_•>'•
 •""□>~"">
 ~š"š□—š'—"š
 TM>~"□"š•>"TM

~•""□"œTM'œ"—

—"TM—□ TM——>'—"
 "œ""□">'—"š
 —~—□"TM——""—

—š—œ□œ~"—>

—"•—□~•>'—"

"šœœ□"TM•'TM"TM

>"TM—□—•TM'š"
 >"TM—□—•TM'š"
 >"TM—□—•TM'š"
 ~šœ—□TM—TM'š"TM

—"œ"□TM—TM'š"TM

""œš□~>'TM"

>œ"œ□>œ•>'œ

~>—□~—•~"—

—•—~□š→'•~"

"→>"□œ••'TM">

""~—□•—œ'œ"• ~—~□š—~"">

>—□ TM→>'—"•

•_•>□ TM_•_~"">
 •_•>□ TM_•_~"">
 •_•>□ TM_•_~"">
 •_•>□ TM_•_~"">
 •_•>□ TM_•_~"">
 •_•>□ TM_•_~"">
 •_•>□ TM_•_~"">

"">>□•_•_~"">

###	§	¥
###		¥
###		¥
###		¥
###	¥	¥
###	¥	¥
###	¥	¥
###	¥	¥
###	¥	¥
###	§	¥
###	¥	¥
###	¥	¥
###	§	¥
###	□¶ ³	□ □
###	3	□
###	§	¥
###	□¶ ³	□ □
###	¥	¥
###	□¶ ³	§ □
###	□¶ ³	§ ¥
###	□¶ ³	□ □
###	¥	¥
###	□¶ ³	□ □
###	¥	¥
###		□
###		□
###		□
###	□¶ ³	□ □
###	©	
###		¥
###	¥	¥
###	§	¥
###	¥	¥
###		
###		□
###		□
###		□
###		□
###		□
###	¥	¥
###	¶	±
###	§	□
###	§	¥
###		□
###		□
###		□
###		□
###		□
###		□
###	¥	¥

TM•~“□—TMœ’>“š	###	¥	¥
•~—□œœ>’“—	###	¥	¥
œ—TM—□—š~’—”•	###	¥	¥
→šTM□>—’—”•	###	¥	¥
>TM→□—œ•’TM”~	###	!	□
~>“□šTM>’TM”~	###	!	□
š”š□~TM TM’—”š	###	¥	¥
••>□~••’>“—	###	¥	¥
—“—□••>’—”š	###	⊠ ³	□
šTM”□—œ—’š”š	###	¥	¥
šœ•“□—œ—’—”•	###	⊠ ³	□
”——”□—œ—’š”š”š>□—•’““>	###	3	□
TM~——□—š”““>	###	3	±
•”TMœ□~•š’š“š	###	¥	¥
—š>”□œ→”“—	###	¥	¥
“—TMœ□œ—~’—”•	###	¥	□
—•œ—□••—’~“•	###	!	¥
~•—□——•’>“TM	###	š	¥
>•“□——•’>“TM	###	!	□
“šTM TM □”~•’>“TM	###	!	□
>”“□—š•’>“TM	###	!	□
—œ—š□š→>“TM	###	!	□
~——”□”_•’—”>	###	¥	¥
—”TM TM □→š’—”š	###	¥	¥
TM TM _•□>TM _’š”TM	###	⊠ ³	©
~“š—□—~TM	###	⊠ ³	©
~“š—□—~TM	###	⊠ ³	©
>——~□•œ>’~”——	###	!	□
š TM TM >□œœ•’“—	###	¥	¥
——TMœ□→œ’œ“TM	###	¥	¥
~œ—”□œ•>’œ“TM	###	¥	¥
•~“□TMœ—’•”~	###	¥	¥
~——□——>’š	###	¥	¥
••——□——>’š	###	š	¥
œ•œš□—š—>’~	###	¥	¥
œš>”œTM>”“—	###	⊠ ³	□
œ•œš□—š—>’~	###	¥	¥
œ•œš□—š—>’~	###	¥	¥
~TM“□——œ’š”š	###	¥	¥
>•œ—□—~>’š“•	###	¥	¥
š•——□>œ•’œ”TM	###	¥	¥
>•šš□”~š’œ“>	###	¥	¥
“~”>□”TM”š”š	###	¥	¥
~œ•□>—’——>	###	¥	¥

Sheet1

œ“_•□>TM_’_”~	TM“_•□>TM_’_”~	~”•>□_•_’““>	###	3	α
—”TMš□—□““>		—”TMš□—□““>	###	α¶³	§ α
—~•□>_’_—“TM	~>—š□ TM~—“>		###	α¶³	α α
			###	α¶³	© ¥
š•~š□“TM_’_—			###		α
œ TM TM TM □ TM_•_’_—			###		α
	“—”□—š’_—		###	¥	¥
	TM TM~□“•œ’•”TM		###	¥	α
	š”>š□ TM TM_•’œ”_		###	¥	¥
	š“TMœ□šš—’•”>		###	§	¥
	—šš—□”•š’TM”_		###	¥	¥
~š“•□•œœ”“TM			###		α
			###		α
>TM~š□•TM_”“TM			###		α
TM~š•□~”“TM			###		α
œš“•□~•_”“TM			###		α
œšš”□•š’>“~			###		α
	œ•~š□—•_’_”~		###	¥	¥
œ>œ—□œš~’œ“•			###		α
œ>œ—□œš~’œ“•			###		α
	š~>“□œ”>’>“œ		###	¥	¥
	•_~š□”•š’TM”_		###	¥	¥
	”>š—□”•’TM“_		###	¥	¥
			###		α
			###		α
“““TM□”>•’“•			###		α
——□>>•’“•			###		α
	—~□——’TM”œ		###	¥	α
	•_TM_□ TM š_’~”_		###	¥	¥
•ššœ□•œ TM’•”~		šœ TM_•□ TM~_’““>	###	α¶³	α α
_TM~š□š——’œ”TM			###	α¶³	α α
	”→>□>šš’š“š		###	¥	¥
	š~—œ□œ~—’~”š		###	¥	¥
			###		α
	“•TM“□•—œ”“>		###	¥	α
	•~—□š•œ”“•		###	¥	¥
			###		¥
“š”□—•_’TM”_			###	©	¥
			###		¥
œ—~—□~>>’~”TM			###		α
			###		α
—•“□~œ—□~“>	“~TM“□~œ—□~“>		###	α¶³	α α
	“~TM“□~œ—’~“>		###	¥	¥
š~••□——”“•			###	§	¥
	—“~—□~TM>’>”_		###	¥	¥

		###	§	¥
	“-š“□•œ™’•”~	###	¥	¥
	~“•>□>œ—”“—	###	¥	¥
	—“~•□š™™”“•	###	¥	¥
		###	:	¥
•šœ™□—~□•”•		###	:	□
“š>—□š>~”•”•		###	§	¥
	•™™•□š•™’—“—	###	¥	¥
—•”□“~™”š		###	□¶ ³	§
	•—š□->>’š”-	###	¥	□
“—œ•“——”“—		###	□¶ ³	§
	œ•—“□š•œ”“•	###	¥	¥
~”—œ□œ—™’~“•		###	§	¥
	œš-œ□—••’~“—	###	¥	¥
		###	:	□
	œ™œ-□->š’•“™	###	¥	¥
”-š-□—™’—”š		###	□¶ ³	§
		###	§	¥
		###	§	¥
		###	§	¥
		###	§	¥
		###	§	¥
		###	¥	¥
	“šœ-□™œ>”“™	###	¥	¥
	“™“•□~œ™’—”œ	###	¥	¥
	“™“•□~œ™’—”œ	###	¥	¥
		###	:	¥
	••_™□™~>’•”-	###	¥	¥
	š>>-□~—™”“•	###	¥	¥
		###	§	:
->~”□“——”“•		###	:	□
“_•~□™_™’—”š		###	:	□
		###	:	¥
	——œ□•~”-“š	###	¥	¥
““šœ□™->>’>		###	§	¥
		###	:	¥
š™~□—~□>“š	-š~□—~□>“š	###	§	¥
	œœ™>□š™’š”š	###	¥	¥
	™œ™”□œš—’š“—	###	¥	¥
	œš•”□-™’š”š	###	¥	¥
		###	□¶ ³	□
“—œ□š——’-“—	>š“•□š>”““>	###	°	□
—•~□~>’-“œ		###	:	□
		###	:	□
~—”□—•š’-“œ		###	:	□
~—“œ□”šš’-“œ		###	:	□
		###	§	¥
	š“~>□—•š’™“•	###	¥	¥
	•“——□“™š’—”š	###	¥	¥

~•_•□_™_’™“•	”š”“□_™_’_“~	###		¥
š_™”□š™_’™“•	~“>□•™š’_“œ	###		¤
“_“š□”_™’™“•	š_~•□_•’~“_	###		¤
	™œ“•□>™š’_“š	###		¤
	™œ“•□_~•’•š	###	¥	¤
	™•š□~™’•“	###	¤¶³	¤ ¤
	>™™•□”•œ’œ”œ	###	¥	¥
>™™□•_•’>“š	™œ™□•_•’>“š	###	¥	¥
šœœ“□š>_	~”_“□_™_”>“œ	###	¤¶³	š ¤
	>•_□_š>”œ	###	¥	¥
“_□_□_”•™	>•_□_š>”œ	###	¤¶³	¤ ¤
““_•□~œš□>”>	”œ_™□”š_”“•	###		¤
	š_š™□šš”>”>	###	¥	¥
	”šœ“□~™•’œ“_	###	¥	¥
	š>“□™~>š”_	###	¥	¥
	>•_□_•_”~	###	¤¶³	©
““•~□™••’•”_	•œ_š□••š’““> _™•š□••š’““>	###	¥	¥
	š_™□”š’™”_	###	«	±
œ_•□>~”_		###	¥	¥
œ_•□>~”_		###		¤
	•••□_”_“•	###		¥
	š™š>□™_”š”•	###	¥	¥
	>““•□š_”_“•	###	¥	¤
	”™š>□™œš’™”™	###	¥	¥
	>“”□“š>’_”š	###	¥	¥
	™~š□~œ’”š	###	¥	¥
”œ“_□šœš’_”š	™>™™□ššœ’_“_	###	¥	¥
	š™”™□•>>”“•	###	¤¶³	¤ ¤
•”šš□•_š“		###	¥	¥
	“œ>•□>š_”™	###	¤¶³	©
	~”™™□•š•’œ”™	###		¥
	“™_“□™œ™’•”•	###	¥	¥
	”_~□”•>”“~	###	°	¤
	“•_□”>_”™”•	###	¥	¥
	•œ“□•™š’“_	###	¥	¥
œ“œ□š_”_”>	œ“œ□š_”_”>	###	¥	¥
œ““>□šš’•”™		###	š	¥

	“šœš□>—•’—”œ	###	¥	¥
		###		
>š•“□>—TM’TM”—		###		
—~œ—□TM>>’TM”—		###		
““TM~□•~”•”œ		###	§	
	>œ>“□š”•’>”š	###	§	¥
—~TM□“—TM’~”•		###	¥	¥
		###		□
~•”□”~œ□~”•		###		□
	š~š—□——~”•	###	¥	□
	>~”•□——š’œ“TM	###	¥	¥
	>•TM TM□•~TM’”“•	###	¥	¥
		###	§	□
		###		¥
š“œš□——œ’•“TM		###		□
š“œš□——œ’•“TM		###		□
šTM•œ□~œ’•“TM		###		□
	~œ“š□š>œ’>”š	###	¥	¥
		###		¥
“——□”š•’TM”š		###		¥
		###		¥
	•—>□~TM TM’_”_	###		¥
	““œ”□œ~>’œ“TM	###		¥
œTM”TM□•œ—>’_—		###		□
““œ“□”>~—>		###		□
>~•□TM•~—>		###		□
“—•□”>’_—œ		###	§	¥
	—œ•□——’_”•	###	¥	¥
	”_TM~□š~—’~”_	###	¥	¥
	—TM>□>š”“•	###	¥	¥
	>š~□“œ—’_—>	###	¥	□
	>—”□>>TM’>“~	###	¥	¥
	œ—~š□>>~š”š	###	¥	¥
	—“~□>~—>”š	###	¥	¥
~œ”_□TM TM_’•”•		###	§	¥
		###		□
—œ~>□~—•’_—“~		###		□
š“œ□>•’_—“~		###		□
	TMœ~•□šTM_’TM“•	###	¥	¥
•š—•□_TM TM’ TM“TM		###		□
		###		□
•š—•□_TM TM’ TM“TM		###		□
•š—•□_TM TM’ TM“TM		###		□
“•“□TM>•’•”_		###	§	¥
	•TM_“□•~š“š	###	¥	¥
	•—“□~>•”“_	###	¥	¥
	•—>>□••’>“TM	###	¥	¥
“~•□”_TM’_—”•		###	3	□
	“_~□>š>”““>	###		

œ>“□~_’TM“—	œ™š“□~œ’œ“™	###	¥	¥
—”•”>□—“š“	””——□—>—’š”•	###	㊞³	§
“œ—□—œ’œ“™		###	㊞³	©
•“œ”□“~_’”•		###	¥	¥
•“œ”□“~_’”•		###	㊞³	§
	>“~—□šœ™’>“~	###	㊞³	
	””••□>—œ’œ”~	###	¥	¥
	šš~•□>>—’—š	###	¥	¥
——••□>>š’™”™		###	㊞³	□
	šœ>—□•~—’~“•	###	¥	□
	™—š—□”•™’_~“~	###	¥	¥
	~•>š□—•~’œ”—	###	¥	¥
	—š•š□~œ’š”—	###	¥	¥
	~™~”□œ™•’™“™	###	¥	¥
	“•>>□“œ’—”>	###	¥	¥
—œ—□œœš’~“—		###	³	±
	“>””□™œ~”“—	###	¥	□
	—>—□š™œ’~”	###	¥	¥
		###	㊞³	□
	œ—”□š>—’~”š	###	¥	¥
	œ~”™□œ>’~”	###	¥	¥
	š“œ>□~™•’—”>	###	¥	¥
œš~“□™—œ	™•>>□™>>’œ”œ	###	§	¥
—œ—™□—•~_—”š	>œ—™□—•~_—”š	###	㊞³	§
”š~š□™~>’š”—	>™œ”□>—’•”š	###	¥	¥
	š>“•□™~>’š”—	###	㊞³	§
	••™—_—>—’_—~	###	¥	□
		###	㊞³	©
>>~”□~šš’•“•		###		□
>>~”□~šš’•“•		###		□
>>~”□~šš’•“•		###		□
		###		□
		###		□
		###		¥
•—••□>~—“>	™™——□>™~_—”——	###	¥	¥
š>>•□šœš’œ“—		###		□
œ~“□••_’œ”—		###		□
—š“œ□~š’œ“—		###		□
	œ~>”□——’_—™	###	¥	¥
“œ”□~—œ’~”——		###	-¶§	§
—”š“□”™’•’™		###	§	□
	”>œ•□~•’~”——	###	§	¥
	~••œ□š“—”“•	###	¥	¥
	>—š™□œ~—’_—”•	###	¥	¥
	™™“——□~•~_—š	###	¥	¥

Sheet1

	>TMœ~□~•>'—“š	###	¥	¥
		###	§	¥
-œœ"□TM—•		###	α¶ ³	§
•œ•—□>TMœ'œ"œ		###	§	
		###		¥
		###		¥
	~“>~□TM•~•“TM	###	¥	¥
	">>~□"š—'—">	###	¥	¥
	—š“□•œ~'~"œ	###	¥	¥
	~•“~□"TM~"~“>	###	¥	¥
	šš~“□>TM•'TM“TM	###	α¶ ³	α
	œ—>•□"—TM'š"~	###	¥	¥
	-šœ~□-œ•"~š	###	¥	¥
	—œ-□•—'š"•	###	¥	¥
ššš~□TMšš'—“~	—“>š□-šš'—“~	###	§	¥
	>>"□~•'~" —	###	¥	¥
		###	§	¥
	“~—œ□-“~—“š	###	¥	¥
	—TM—"□TM—š'•“š	###	¥	¥
	"~"~>□œ—œ'~“>	###	¥	¥
—TM□~—'~">		###	α¶ ³	α
		###	α¶ ³	α
	—“~“□——"~“>	###	§	¥
TM—œ~□TMšTM'—">		###		±
	š"—>□—šœ'“œ	###	¥	¥
	œ>š>□"—~"~"TM	###	¥	¥
	"~TM“□š—•œ"•	###	¥	¥
š“—~□>TM'—”š		###		α
		###	α¶ ³	α
>"~>□"—•'—“œ		###	§	¥
	“TMœ“□•œ'—“ —	###	¥	α
	>—š~□•——'~”	###	¥	¥
	>—>□"œš'—“•	###	¥	α
	TMœ—TM□“—œ'•”—	###	¥	α
	"~“—□šTMš'—“>	###	¥	¥
	šœTM“□—>~"~" —	###	¥	¥
		###	α¶ ³	α
	"~“>š□TMœ>'>š	###	¥	¥
	š~•œ□-œš'—”~	###	¥	¥
	>">“□>šTM~"~"•	###	¥	¥
	“>—œ□ššš'•”—	###	¥	¥
	TM"œ-□œšš'•”—	###	¥	¥
TM—TM~□œ——'œ“•		###	§	¥
	œTM"œ□œ~TM"~" —	###	¥	¥
	“>š•□-šœ'—">	###	¥	¥
š"—□“šš'œ">		###	α¶ ³	α
	•——~□œ••"~“ —	###	¥	¥
	š"š“□œš'•”—“ —	###	¥	¥
	>•—"□œœ-~"~"•	###	¥	¥

	š-š“□™•š’™”•	###	¥	□
	œ-“œ□—™œ’™”—	###	¤	§
“_™š□’™_”™		###	¥	¥
	~”š”□—→’œ”™	###	§	
		###	¥	¥
		###		□
œ—~“□—→’™”œ		###		□
œœ™“□—→’™”œ		###		□
”>~□œ—’™”™		###		□
”>~□œ—’™”™		###		□
”>~□œ—’™”™		###		□
	”→œ□šš~”œ”œ	###	¥	¥
	~”~□•~”~”š	###	¥	¥
™™™>□™~š’™”œ		###		□
—š—•□š~—’™”œ		###		□
		###		□
		###		□
“•”□•™•’—“œ		###	§	¥
	š”œ™□”œ—’—š	###		¥
	•~”>□”→”™•	###	¥	¥
	—šœ>□”™•”™”>	###	¥	¥
		###		□
		###		□
		###		□
		###		□
		###		□
		###		□
		###		□
		###		□
		###	§	□
		###	§	¥
	—“™”□”™œ’—”š	###	¤	¥
		###	§	¥
		###	§	¥
		###		□
		###		□
		###		□
		###		□
		###		□
		###	©	
		###	¥	¥
		###	¥	¥
		###		¥
		###	¥	¥

Sheet1

••œ—□~œ'>“š	###	¥	¥
TMš~□~'—	###	¥	¥
—TMš□—TM'•“•	###	¥	¥
TM>—“□—š'œ”œ	###	¥	¥
~—~□•—~'—š	###	¥	¥
œœ“—□•—'—~	###	¥	¥
	###	!	¥
	###	!	¥
	###	!	¥
	###	!	¥
š™—œ□œ—'š“•	###	¥	¥
>—□—~”	###	¥	¥
”šœ“□—š'TM”~	###	¤³	¤
TM™~•□œ>™'™”~	###	¥	¥
œš>>□•>—	###	°	¤
TM”>•□~œ—š“—	###	¤³	¤
>>”>□—™”““>	###	¤	¥
>™œ>□”™’—“—	###	¥	¥
>™œ>□”™’—‘—•”™□“™’—“—	###	¤³	¤
“œœ—□š—š'œ”œ	###	¤	¥
	###	!	¥
—šœ—□—•’—“•	###	¤³	¤
œœ“>□>>~“>	###	¤³	¤
—”š□šœœ'œ”œ	###	¥	¥
••>“□—š'•”™	###	¥	¥
—•~□—•~”“—	###	¤	¥
—>”>□—•—'—”•	###	¤	¥
—•”□—•™’—“•	###	¥	¤
“>““□š™—’—”š	“>—”□š™—’—”š •—>•□™—”““>	###	¤³
>>“—•fœšœ•“	###	¤³	©
š~—š□>š	###	¤³	¤
“š—□—™’—“•	###	¥	¥
”œš—□œš™’š“—	###	¤³	¤
>>“>□>š’—“œ	###	¤³	¤
	###	¤	¥
—™”™™~™•—“	###	¤³	© ±
”>>□•~—'•”™	###	¤	¥
““““□™—’~”~	###	¥	¥
““““□œ—'•“™	###	¥	¥
—“>š□•šš’—“™	###	¥	¥
—™•□™™•’—“>	###	¥	¥
œ™—š□>™œ’~”	###	¥	¥
”•”“□œ~’™”•	###	¥	¥

Sheet1

”š•” □ TM>•’>“—	“š—□œ TM>’—>	###	¥	¥
”š•” □ TM>•’>“—		###		□
® ¶ — § □ — ~>’ — “ TM		###		□
>—š~□— TM —’ — “~		###	¶³	©
		###	¶³	□
•>œ—□~—œ’—“~	š“”œ □ “>•~”~	###	¥	¥
		###	§	¥
	TM>_TM □ • — —’ — “š	###	¥	¥
	“TM —” □ • ~ —’ š“œ	###	¥	¥
>—~” □ —š—>’ —	šœ TM• □ TM~_—““>	###	¶³	§
	“~ —“ □ œ — —’ ~” TM	###	¥	¥
	œ — TM • □ — — ~’ — — “	###	¥	□
— TM” • □ TM ~š’ ~“>		###		□
”•” “ □ >•~”~“>		###		□
”•” “ □ >•~”~“>		###		□
—” —” □ —š’ —“~		###	§	¥
	~ —œ TM □ , TM —’ — “œ	###	¥	¥
šš —“ □ — ~ —’ — ~		###		¥
šš —“ □ — ~ —’ — ~		###		
“ — TM š □ — —’ — ” TM		###		
	TM — —” □ TM TM —’ — “ —	###	¶³	§
	— TM TM œ □ TM —>’ >“œ	###	¥	¥
•œ — □ >œ •œ’ TM	œ” TM — □ >œ •œ’ TM	###	§	□
>•> □ “ TM TM □ ““>	>•> □ “ TM TM □ ““>	###	§	¥
š”š — □ — TM —’ — —		###	¶³	§
		###	§	□
š•š — □ —š —’ — “ —		###	§	¥
>_TM š □ — TM š’ — —		###	¶³	§
“~ TM — □ œ — —’ š”~		###	¶³	§
œ “~ TM TM • □ ~ “š“		###	¶³	©
”•• □ šœ —’ >“š		###	§	¥
TM>”œ □ > —œ”~ —	“• TM” □ > —œ”~ —	###	¶³	□
	—~“ TM □ • TM • “““>	###	§	¥
•• — □ ~ •š’ TM”œ		###	§	□
“~““ □ š — TM’ — “ TM		###	§	¥
	— TM> — □ “” •œ’ >“~	###	¥	¥
	“ — — • □ • — —’ •”œ	###	¥	¥
“ —š” □ — TM œ’ — — “ —		###	¶³	§
	œ~“ — □ TM —>’ TM” TM	###	¥	¥
œš TM š □ TM •>’ — “~	“œ” > □ TM •>’ — “~	###	¶³	§
	š~ — ~ □ — — — “““>	###	§	¥
— TM “ — □ — — ~’ — ”š		###	¶³	□
		###		
—š• — □ —> TM’ TM” —		###		
		###		
TM~ — ~ □ œ ~ —’ •	® ¶ — § □ • ~ “““>	###	§	¥
”•• □ šœ —’ >“š		###	§	□
		###	¶³	§
		###	§	¥

—>—□—•>		###		
—>—□—•>		###		
—>—□—•>		###		
>>"TM□••š'š"TM		###		□
>>"TM□••š'š"TM		###		□
>>"TM□••š'š"TM		###		□
>>"TM□••š'š"TM		###		□
—œ">□•~"—•	"—œ□•>>'š"—	###	¥	¥
"TMœ>□"œš'—"•		###		□
		###		□
		###		□
•"'•□•>—"'—	"•œ—□"œ~"—>	###	¥	¥
		###	§	¥
		###		□
~">š□œTM•'š"—		###		□
~">š□œTM•'š"—		###		□
~">š□œTM•'š"—		###		□
	"š>"□TMœ—'>—	###	¥	¥
	—TMš"□TMœ—'>—	###	¥	¥
		###		¥
	~š—š□TM——'—TM	###	¥	¥
•š">□~•œ'~"—		###	§	¥
		###		¥
	>'—š□š—œ'~"—	###	¥	¥
	ššœš□•—'—"	###	¥	¥
	—>—œ□>TM>'TM"•	###	¥	¥
		###	§	□
œ—"—□š•~"—>	TM TM TM~□š•~"—>	###	¥	□
	—~TM>□œ—TM'•"—	###	¥	¥
	>"'"□TMšTM'TM"~	###	¥	¥
	œœ"TM□•šœ'>š	###	¥	¥
		###	§	¥
	"•~œ□">TM'•"TM	###	¥	¥
	>'~TM□TM—>'—"	###	¥	¥
	š>—□•—'œ"•	###	¥	¥
	~œ"—□•>š'œ"œ	###	¥	¥
	š>œ>□"š—'—š	###	¥	¥
		###	§	□
š——□>š>'—"	š~——□••TM'"">	###	§	¥
TM"~•□•š•'œ"TM		###	§	¥
		###	□¶ ³	□
		###	□¶ ³	□
	"—š□—TM—""œ	###	¥	¥
	œ"TM•□~•~"	###	¥	¥
	TM••□šš—""•	###	¥	¥
	š—TM"□•——'œ"—	###	¥	¥
	——œ—□>œ~"—•	###	¥	¥
	~TMš—□—~>'—"	###	¥	¥
	œš>"□•——'TM"TM	###	¥	□
	"~>>□•TM>'—"	###	¥	¥

Sheet1

	“~“—□•~”~”~—	###	¥	□
	>š™•□•>>’•”œ	###	¥	□
	“~——□—™—’™”~	###	¥	¥
—”•□~——’™”~		###	:	□
—”•□~——’™”~		###	:	□
—”•□~——’™”~		###	:	□
—”•□~——’™”~		###	:	□
	“™~>□——œ’——>	###	¥	¥
••™□———’™”œ	~•>□~œ>’™”œ	###	§	□
	šœ”>□”š>’——>	###	¥	¥
”——œ□~•œ’———	~——□—š•’>“œ	###	¥	¥
	—>œ—□š>>’——>	###	□¶ ³	□
		###	¥	¥
		###	§	□
		###	§	□
		###	□¶ ³	□
		###	:	:
	““š□•~—’œ”~	###	¥	¥
	”~——□——>œ>’š	###	¥	¥
	~“——œ□•——™’——>	###	¥	¥
	——™š□—•———š	###	¥	¥
		###	□¶ ³	□
		###	§	¥
š••>□š•~□’œ”œ		###	□¶ ³	§
”™”™□•———’™”•		###	:	□
——>”>□•š——’™”•		###	:	□
š”œ——□~™~’™”•		###	:	□
	——“——□>>~”•š	###	¥	¥
	œ~™—□•™~’——“œ	###	¥	¥
	““œ”□—™œ’——>	###	¥	¥
——•□š••’——“•		###	:	¥
	ššœ—□~———’——	###	¥	¥
	œ”•□~š>’——>	###	¥	¥
	~——>□”™~š”š	###	¥	¥
	—>•œ□“™•’——“œ	###	¥	¥
••~□”~•		###	§	¥
	~——□“———’——š	###	¥	¥
	•š~——□——œ’——š	###	¥	¥
		###	□¶ ³	□
>••——□™•œ’š”™		###	§	¥
	“•œ”□”>™—’š	###	¥	¥
	——“”□š~™’š“——	###	¥	¥
	——>——□~™—’——	###	¥	¥
	•š>——□œ•’———	###	¥	¥
~•“”□š>~——”š		###	□¶ ³	□
	>““œ□™“——’••	###	¥	¥
	~•>š□™>>’——š	###	¥	¥
	•~“”□——™•’™™	###	¥	¥
	š~™——□~——>”œ	###	¥	¥

Sheet1

>~TM_□TM~•'TM“.		###	§	¥
~_•~□”~_’“š	”TM_□“š□”_□””“	###	α¶ ³	©
	-šTM_□œš••“TM	###	§	¥
	••>”□šTM~”_—	###	¥	¥
	>“→□TMœš’_—	###	¥	□
		###		□
“•š_□~_•’_—”œ		###		□
“•š_□~_•’_—”œ		###		□
“•š_□~_•’_—”œ		###		□
		###		□
TM“~□>>_’_—“>	TM_”_—□>>_’_—“>	###	α¶ ³	□ □
	~TM~š□š_š’~“_—	###	¥	¥
	š_—TM□”~š’TM”_—	###	¥	¥
	œ_—TM_□œ>TM’>“œ	###	¥	¥
		###	§	¥
	œ•š>□→•’œ”TM	###	¥	¥
	~š_□•TM•’_—>	###	¥	¥
	”œœ”□-šœ’_—š	###	¥	¥
	—”œ□šTM~”—š	###	¥	¥
	—~“—□~•TM’_—_—	###	¥	¥
		###	§	¥
š_—→□š>_—’_—“š	œ”>□š>_—’_—“š	###	§	¥
	•_~>□”œš’_—“•	###	¥	¥
	“_—”œ□”_—>š“_—	###	¥	¥
		###	α¶ ³	□ □
••TM>□_—œTM””“•		###		□
>œ>œ□>š>š’š“_—		###		□
“TMš>□>š>š’š“_—		###		□
•~“□>š>š’š“_—		###		□
	—→~□•œTM’œ“TM	###	¥	¥
	~“œ_—□→_—’œ”œ	###	¥	¥
š~TM_□>>>’_—“•		###	§	¥
	”•>“□“_~”TM”TM	###	¥	¥
	”š”š□•š>’_—“>	###	¥	¥
šš_œ□_—œš’>“~	•TMš“□_—œš’>“~	###	α¶ ³	□ □
œœ>š□“šš”””“_—		###		
	~_—“□š_~_—”š	###	¥	¥
		###		¥
šœTMš□TM_œ’_—“•		###		□
”œ>”□_—>>’•“TM		###		□
		###		¥
š”_—□••TM’>”œ		###		□
		###		□
_—TMš“□”š>’TM“•		###		
>“~œ□œšš’TM“•		###		
	_—ššœ□~š’~”•	###	¥	¥
	>•>□~•~”TM“•	###	¥	□
	TM_“~□>TMš’_—“_—	###	¥	¥
	“>”~□š_—”~”•	###	¥	□

>_““□”š_’•”TM
•TM•>□ TM TM>’•”TM
“_TM~□>••’TM”~

>>œ TM □ •œ•”“_
““š_□“~TM’_”•
“_œ>□ TM~TM’_”•
”“_□“œ_’_”•

“•œ_□_—’œ”—

“°2«□_TM~’œ”•

—>•_□œ_—’š”>
~œ•š□~TMœ’š”>

œ”TM_□ TM>_’_“•
œ”TM_□ TM>_’_“•
œ”TM_□ TM>_’_“•
>~TM~□_—TM>’_—”œ

œ>•“□šœ•’_—“>
>œ~_□œ_—’_—“>
TM_•TM□_—•’_—“>
—š”□œœ•’—“>

š”_□š_—’~”TM
•š”š□~—’>“š
”•>□_œ•’~“•

““_TM□~—’š”~
““_□_—šœ’_—”>
““_□_—šœ’_—”>
“•~>□ TM TM~’œ”TM

““_š□”•~”“>

ššœ_□••~”_—
>•š□_—’~”_—

TM_~_□~œ>’_—“>

“œ TM~□_—š_—’>”š
š_—TM TM □>>š”~”•
š>š_□_—~’TM”>
~šœ_□_—>’TM”~

~□š—’œ“TM
~•š“□ TM TM>’š”—

—•□_—TMš’_—”_—

š_—”□_œ_—’>”œ

>_—□_—~’TM”>

~TM~TM□_œ_—’_—”•

~œ TM TM □_—•_—’_—”TM
—šœ TM □—œ TM’ TM “•
”_—>”□>_—TM’_—“š

| □
| □
| □
§ □
§ □
§ ¥
| □
| □
| □
¥ ¥
□¶³ § ¥
¥ ¥
¥ □
¥ ¥
¥ ¥
□ □
¥ ¥
¥ □
□¶³ □ □
□¶³ □ □
¥ □
§ □
| □
| □
| □
§ □
¥ ¥
| □
| □
| □
□¶³ □ □
| □
| □
§ □
¥ ¥
¥ ¥
¥ ¥
| □
| □
§ □
¥ ¥
¥ ¥
| □

¶³_—•_—”“>
¶³_—•_—”“>

—“š□”~—’>“š ”œ TM_□_š>”““>

>>•š□—œ'œ"•	###		□
•"•□™—œ'œ"•	###		□
™—œ□~œ'œ"•	###		□
—"š□œ—•"~—	###	¥	¥
"š"—□"™•'—™	###	§	
•~œ"□•,™'—™	###		□
~>™□~œ"™—"	###		□
"š—□•>'™"—	###	□¶ ³	©
"š—□•>'™"—	###		
~("œ□•~š"™	###	¥	□
"—™□š•"™•	###	¥	¥
"œ—□•—'"™—	###	¥	¥
š™"—□—œ'™"š	###	□¶ ³	§
š™—~□"œ™'™™™	###		¥
—œ>□>šš'š"š	###	¥	¥
>—š"□—™~œ"•	###		¥
>~"□—>'™—	###	¥	¥
—š•"□•™~"—	###	¥	¥
™~"□š—œ'™"—	###	¥	¥
"—™□~—'™—	###	¥	¥
š—"š□">'™—	###	¥	¥
—ššš□š~™'™"•	###		¥
œ••—□~•>'™—	###	¥	¥
œ~™>□~—œ"—	###	§	□
>>•—□•>'™—	###	§	
—œ→□š—□š"š	###	©	
"—□š™~"—•	###	¥	¥
œ••œ□>—'™—	###	¥	□
~™>—□š•>'™—	###	¥	¥
š"™™□">>š"—	###		□
"œ~—□œœ>'™—	###		□
"~"—□ššš'™"—	###		□
>'™—	###	¥	¥
">—□™"—'™—	###		□
~•™—□>—'•š	###	¥	¥
—œ"□™~—'™—	###	¥	¥
¶·μ ²³³ ,¶	###	□¶ ³	□
~—œ□š—œ'™"•	###	□¶ ³	□
™™™™□•œš'™"	###	¥	□

RM1,C,76

□,!'□°1'□§2'□°2'□°13'□°§'□§|'□°1'□°α

□,!'——□°1'□§2',•š□°2'''—š□°13'~——□°§'——□§|'——□°1'——□°α

□,l'—š□°1'□S2'□°2'□°i3'□°S'æ•—”□S'“——”□°i”——”□°□

□, !' □ °1' □ §2' □ °2' > ~ □ °13' TM ~ □ ° §' œ — □ §1' □ °1' — □ ° □

..... $\mu^0 \cdot \text{C}^2 \text{f} \text{S} \pm \text{C} \text{f}^2 \cdot \text{f} \text{S} \mu \ll \text{f} \mu^2 \text{C} \text{f} \cdot \text{f} \text{f} \ll$

□, I'•""¥S□°1'□S2'□°2'□°I3'""TM"□I□°S""œ"¥S□S|'°I'°□

TM TM!□°1' TMŠ"¤□°13' _•"¬□°2' œ""§□§2'••"¬□°Š'Š TM!□,!'> TM!□°1'~ TM!□§' TM _!□°¤

""□¼α§²

'Eμ^{a±α}f®1-SfSμα<<f°S<<f©²fμ²<<.α

□, I'•"š"□°1'□š2'□°2'□°3'TM□~TM""□°š'—"š"□š1'TMœTM"□°1'~"š"□°□

33, 2023

Şifreli bir belgeyi açmak için şifreyi girin. Şifre yanlışsa, lütfen şifreyi kontrol edin.

„1-1µ“f·αµ^a

□, I' □°1' □S²' □°2' □°I3' □°S' æ — " □S I' □°I' □°α

□, I' TM ~ " □°1' □S²' □°2' □°I3' — • " □°S' S' • " □S I' TM • " □°I' ~ • " □°α

•Š“ŕ°□,ŕ°™“ŕ°□°1'—•”, □ŕ2'□°2”š“°□°ŕ3'œ“ŕ°□°ŕ>~“ŕ°□ŕŕ'œ™“ŕ°□°ŕŕ°š“ŕ°□°ŕ

□,ŕ°—š”°□°1'□ŕ2'™•š•□°2'—~•□°ŕ3'™•”•□°ŕŕ”“—”□ŕŕ'œ>™”□°ŕŕ”“—”□°ŕ

□,l'æ——”□°1”“—“□§2”“TM”“□°2!>→•□°l3”~TM~•□°§'§→”□§l'TM_~•□°l1”——~•□°α

œ~•"a□,l'œ~"a□°1'□S2'S••"a□°2"TM""a□°13'•TM""a□°S'>~""a□S1'•""a□°1'4"TM""a□°a

□,!'□°1'□§2'''-''«□°2'>~§□°13'œš,□°§'™>«□§i'™>«□°i'fff□°□

''±-1/2□°□f@¶-§f±2f.±''''|»''ff'''.□§f2.f±''''¶f¶a2-□.□!f@¶-§f±2f.¶''¥f''«.f©2f''±

~"u~|°1'§" .3°|3~"««°2'>" .3§2'TM"~|°§|_~"~|°|'_~"~|°°α

'32||1/4||f1/4 S±~μ©ff1/4Sf□f||, ±~°f“-’||~→©f~f.~af||μ~||, fS~μ~.||~a~μf±2±

~S2|f2.f~S2|

¶¥¥'°··¶½¶f±²·°μ²©±¶f|·±²μ·|·f¶·

·-®f¶šμ³²·1·sf·-μ⁰·±·|f·-μ⁰·±·|

®¶-sfšμ«f·²²«¶f%of·±-²³f·μ²·¶·μ³,®|«¥f·²²«¶f%of·±-²³

$$\frac{f''(x) \cdot f(x) - f'(x)^2}{f(x)^3} = \frac{f''(x)}{f(x)} - \frac{f'(x)^2}{f(x)^3}$$

$$\frac{f''(x)}{f(x)} - \frac{f'(x)^2}{f(x)^3}$$

$$\frac{f''(x)}{f(x)} - \frac{f'(x)^2}{f(x)^3}$$

$\int_{\mu^2}^{\infty} f(x) dx \sim \int_{\mu^2}^{\infty} f(x) dx \sim \int_{\mu^2}^{\infty} f(x) dx \sim \int_{\mu^2}^{\infty} f(x) dx$

©¥\$323f\$.....3¶¥®f°2μμα

→f^{31/4}·□!3f¥\$→©□!3fŽ→©□!3fŽ!□!3f±^{1/2}2\$ffŠμ®α¥

$\mu \ll$

$\frac{1}{4} \mu \pm 2 \dots \mu \dots \mu^2 \dots \mu^3 \dots \mu^2 \dots \mu$

$2 \dots \mu^3 \dots \mu^3$

$\mu\sigma^3 f^3, S, |f^\circ S, |$

$^{\circ 2} | \mu^2, .$

TM>•f»-°1

'±,μf-°f,¥f□¼μαμ¥-f-°¶¶

~',2.»".f±2!.»".f°S±±2!

'-α!f.¶μ-©f±²f¶¶!¶αf-,©fS±αf""μ©

¼"®!α.¶f-°,·α¥

¼"±²°f¶-f""-.

-a□".α°®!'"«!f'°.·.α°®!'"«!

$$\mu^{\pm} \approx \frac{1}{2} \left(\mu \pm \sqrt{\mu^2 - 4} \right)$$

$$\mu^{\pm} = \frac{1}{2} \left(\mu \pm \sqrt{\mu^2 - 4} \right)$$

$$\mu^{\pm} = \frac{1}{2} \left(\mu \pm \sqrt{\mu^2 - 4} \right)$$

$$\mu^{\pm} = \frac{1}{2} \left(\mu \pm \sqrt{\mu^2 - 4} \right)$$

$$\mu^{\pm} = \frac{1}{2} \left(\mu \pm \sqrt{\mu^2 - 4} \right)$$

'E~' - f%o f~ • i~ < f ¶ @ ¶ ¶ - S f ± 2 f ¶ ¶ ' | - μ 3 f S 22a

$$|{}^0S_{\pm} f^0 S_{\pm} f| @ - {}^0 f @ - {}^0 f |^{-3} f^{-3}$$

$${}^{\mu} - \alpha \cdot \gamma^{-2} \eta f \mu @ {}^{23} f @ - S_{\pm} {}^2 @$$

$$S_{\alpha} {}^2 \pm {}^{\alpha} S f \mu \eta \cdot f \eta \cdot \pm {}^2 @ @ \eta \eta S$$

$${}^{\circ} \cdot @ \alpha f \mu^{-3}, \eta f \mu \pm \mu \alpha S$$

$$1/4 @ {}^3 - 1/2 f^{TM} > S f^{TM} > \alpha$$

“ $\mu^{1/4}$ ”

$\mu^{1/4}$

$\mu^{3/4} \rightarrow \mu^2 \mu^3 f \mu^{\circ} \mu^{a2} \mu^3 f \cdot \mu^{\circ} \mu^2 \mu^{1/4}$

$\mu^{\pm} \mu^{\circ}$

$\mu^{a2} \mu^{\circ} \mu^{\pm} f \mu^{\circ} \mu^{\pm} f \mu^{\pm 2} f \mu^{22a} f^{1/4} \mu^{1/4}$

! " # \$ % & ' () * + , - . / : ; < = > ? @ [\] ^ _ ` { | } ~

“œf^{12±f±fS}”·œµµf¶œ⁰f^{a±}·œµf¶œ«·ff^{a2}œ·œ!f®¶œSf^{±2f}¶œ±

«!±μ!¶

μ², · f^{31/4} · f «! , ² · f[°] · μ! □² μ³ f ¶ μ² μ μ² « f ©² f ¶ , ² « f ¶ Š²ᵃ, «

ᵃ ± - ± - ᵃ μ · f % f ¶ ! - 1 μ ¶ f ᵃ ± - « ¶ - ¶ , ³ f ³² · f © ¶ ! ¶ S

¯ ᵃ - S μ ᵃ · ¶

¶ 1/4 ¶ · 22 ¶

$\mu^2 \cdot \mu^{-8}$

$^\circ \mu^2 \odot f \rightarrow \gg \alpha^\circ$

$\neg \neg f \mu^{\alpha \pm \alpha^\circ} f^{\pm \alpha \pm \neg \odot} f \cdot 2 \square \cdot \neg \square^{\prime} \ll \{$

·{αμ...f±.3α0f3α0f@f3α0f«f3α0f.°3α0f°3α0f^a±3α0f.Σ3α0f2Σ3α0f

,Sα

¶¶—α≠f©©²¶¶

®!²—μ·«¶¶f·±,²!¶¶□!³

»α·¶¶°—.

¶¶²S—

$$\textcircled{B} \mu \alpha^{\alpha^3} \alpha \cdot f \gg \text{---}^3 \alpha \cdot f \cdot \pm \neg \mu^3 \text{---}$$

$$\text{¶} \text{,} \text{---}^3 \cdot \pm \neg \mu^3$$

μ^3

μ^0

$\mu^{\pm 1}$
 $\mu^{\pm 2}$

$\mu^{\pm 3}$

12

, ±° f ⊗ ¶ - S f S μ α « f 1 - f ° S «

¶ μ ¶ , f - α f μ 2 © f ¶ - ; - μ α f S 22 a f . , ¥ f □ ± - 1/2 α α ° f - μ α ° f S μ α « f α f 1/4 - μ α ° - μ 3

$\mu \gg$

$\mu^{\pm a \pm a^0} f^{\circ \circ} \cdot \frac{1}{4} f^3 f \mu^2 \cdot a^{\pm} \cdot f \cdot \text{C}^2 f \mu^2 f \ll \cdot a^3 f^{\pm} \cdot \text{C} f \cdot \pm a^0 \cdot f \mu \cdot \text{S}$
 $\text{S}^{2 \pm 3 a \frac{1}{2}}$

$\cdot a^{\pm} \text{S}^{\pm a^0}$

$$\langle \mu, f \rangle_{-a}$$

$$\langle \mu, f \rangle_{-a} = \langle \mu, f \rangle_{-a}$$

$$\langle \mu, f \rangle_{-a} = \langle \mu, f \rangle_{-a}$$

$$\forall \epsilon > 0 \exists \delta > 0 \forall x \in \mathbb{R} \left(|x - \frac{1}{4}| < \delta \implies |f(x) - \frac{1}{2}| < \epsilon \right)$$

$$\forall \epsilon > 0 \exists \delta > 0 \forall x \in \mathbb{R} \left(|x - \frac{1}{4}| < \delta \implies |f(x) - \frac{1}{2}| < \epsilon \right)$$

$$\pm, \mu^{-\alpha^3} f^{-\alpha^3}$$

$$\cdot i^{-2} \mu^3 f^{1/4} \mu$$

$$\alpha \epsilon > \alpha \epsilon f \mu^2 \cdot \alpha^{-1} \cdot i^{-\alpha} | f \pm^2 \cdot i, S'' S f \gg \alpha \cdot f'' | - \textcircled{C}^2 f''^{\circ 2} \ll$$

$$\mu^2 \cdot \alpha'' \mu | f S \mu^{2\alpha} \mu^2 \mu |$$

$$\alpha \mu |, f'' \ll \cdot f \pm \cdot f \mu \neq f^{1/4} \alpha^3 f \cdot \mu \neq f S'' \cdot \alpha \mu$$

TM © μ » □ i 3 f >>> □ . □ i 3

›Š“¶°□¼□S²

∴.², □¶S³fμ“¥°°°□¶S³f“!-μ³□¶S³f“¶□¶S³

.∴aS, ¥³

‘¶®¶-Sf““•f¶±-□.±²!ff‘a²-□.□!f®¶-Sf±²fμ²©f”‡

$$\mu^2 \cdot \neg S'' f^{1/2} \cdot \neg^1 \alpha \mu f^{-a} \cdot \pm \neg \mu^3$$

$$\eta \uparrow \rho^3 \cdot \\ \neg^{\circ} \neg \cdot f \cdot \mu^3 \neg \mu$$

$$\alpha \epsilon \neg \tilde{S} \square \text{TM} \tilde{S} \text{TM}' \neg \rangle f \eta \neq f \neg \cdot \circ' f \pm^{\circ 2} \mu \uparrow f'' \ll \cdot f \cdot \ll^a \mu \ll \cdot f \tilde{S}'' \cdot \uparrow \alpha \cdot \pm^2 \uparrow f'' \neq f \pm \alpha \uparrow$$

$$\alpha \epsilon \cdot \tilde{S} \neg \mu^{20} f \neg^{\circ} \alpha f \neg^{\circ} \alpha \pm f \tilde{S} \neg \mu^{20} f \text{TM} \cdot \eta \cdot \eta$$

$$\neg \eta \alpha \neq \textcircled{R} \mu^{20} f \mu^2 \cdot \alpha \mu \neg \pm^a$$

$$\mu \neg \ll \neg \neg \neq^3 f \pm^2 \neg \neq \mu$$

“S₁, a f¹² f ||SS±□||

$$\frac{1}{4} f''(x) - \mu f(x)$$

$$a_0, a_1, a_2, \dots$$

$$S_1, S_2, S_3, \dots$$

$$\mu, \pm 2, \dots$$

3, □ "¶¶"

—, 3¶.

¶@|, ¥. ¶¶©

©f±f¶¶¥f·¶"S²f"«·f©²f"±²

·a@|a³f^{1/4}·@¶¶²¥
1/4·@μa±a

$$\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{2} m v \frac{dv}{dt}$$

$$= \frac{1}{2} m v \frac{d}{dt} \left(\frac{2E}{m} \right)$$

$$= v \frac{dE}{dt}$$

$$= v \frac{dE}{dt}$$

$$= v \frac{dE}{dt}$$

→□!□!3f.□.□!®-°®

§±-°μ'ai-

““□f.□,°f□f□-f□-«.ff,,22.

»“§±-f^{21/4}□§f^{-a}f^{21/4}□§f³²·f^{21/4}□§f^{®12}-i^{21/4}□§f^{□μ}“§μ²f^{®1}□¥f^{21/4}□§f³□f^{21/4}□§f^μ□f^{21/4}□§

¶·¶

¶^{31/4}·¶©□¹³

¶¹⁻²¶[¶]·©¶Sf¶□^{1/4}¶□¶

$\frac{1}{4}\alpha S_{-1} \pm 2f \square \mu \cdot \eta \alpha^{\circ 2} S_{-1} f \square \mu \cdot \eta \alpha^{\circ} S \mu \alpha \cdot \eta^{23} f \square \mu \cdot \eta \alpha^{\circ} S \eta f \square \mu \cdot \eta \alpha^{\circ} \dots \eta \eta \alpha \eta f \square \mu \cdot \eta \alpha^{\circ}, \eta \alpha$

- $\eta^{\circ} \neg \cdot f \cdot \circ \text{C} \eta \cdot f \cdot \circ \text{C} \eta^3 f \frac{1}{4} \alpha S \alpha \eta \eta \pm 2 f \neg \eta \alpha \cdot \text{R} \alpha^{\circ} f \mu, 2 \text{C} \text{C} f \neg \mu \cdot \eta \gg \alpha \text{C} f \eta \cdot \bullet \cdot \eta \eta \eta \eta \bullet \cdot \eta \eta \cdot \mu^{\eta \pm 2}$
- $\eta^{\circ} \neg \cdot f \cdot \circ \text{C} \eta \cdot f \cdot \circ \text{C} \eta^3 f \frac{1}{4} \alpha S \alpha \eta \eta \pm 2 f \neg \eta \alpha \cdot \text{R} \alpha^{\circ} f \mu, 2 \text{C} \text{C} f \neg \mu \cdot \eta \gg \alpha \text{C} f \eta \cdot \bullet \cdot \eta \eta \eta \eta \bullet \cdot \eta \eta \cdot \mu^{\eta \pm 2}$

„S \pm - η° “ μ

“μ”«fη°αμ²μ³fηŠ±μ²!¬±, f©²fη±²¬ημ¹f·η”·α⁻f”«·fS±¬©fη¼α⁰⁻αf±α!f, 2¼

·α!²”S¬1
·η²³fS±α°²!fμ”η⁰²μ≠fη”·”³³α

•⁰²μ≠

-f^{1/4}a^{3/2}f⁻≠α⁻μ⁰α⁻f⁰,⁻³f≠αμ^a

..≠°αμ⁰f□⁰.2⁻α⁰
..±⁻°⁻.