



Ú! [à|^ { æcâ&Áà^@æçâ [ !Áâ•Áâ^~â } ^âÁà! [ æâ|^Áæ•Áæ } Áâ } c^!~^!^ } &^Áâ } Á ]! [-^••â [ } æ|Á~ } &câ [ } â } \*  
\_ @â&@Áâ•Á!^~|^&c^âÁâ } Á [ } ^Á [ !Á { [ !^Á [-Ác@^Á- [ || [ \_ , â } \*Á , æ^•KÁFDÁæ } Áâ } æàâ|âc^Áæ } âð [ !  
~ } \_ , â||â } \* } ^••Ác [ Áæ& ~ ^!^Áæ } âÁâ } c^\* !æc^Á ]! [-^••â [ } æ|Á•cæ } âæ!â•Áâ } c [ Á [ } ^q•Á!^ ] ^!c [ â!^Á [-  
]! [-^••â [ } æ|Áâ^@æçâ [ !LÁGDÁæ } Áâ } æàâ|âc^ c [ Áæ& ~ ^!^ ]! [-^••â [ } æ|Á•\â||•Áâ } Á [ !â^!Ác [ Á!^æ&@Áæ }

ÌÈ V@^ÁÖä!^&c[!Áæ}áÁ•~] ^!çä•[!Á { æ^Á { ^cÁc[Áää•&••Á] [••ä|Á&[~!••Á[-Áæ&cä[ ]È  
 ÎÈ Y@^}^ç^!ÁæÁá^&ä•â[ ]Á@æ•Áà^^}Á { æá^Áà^Ác@^ÁÖä!^&c[!Áæà[~cÁæÁc!æä}^^c•Á•cæc~•Áæc  
 c@^ÁÖ[~]•^|ä}•\*ÁÖ^}c!ÉÁc@^ÁÖä!^&c[!Á, ä||Áä]-[! { Ác@^Ác!æä}^^Áä}Á, !áçä}•\*Áæ}áÁ, ä||Á { ^c  
 , äc@Ác@^Ác!æä}^^Ác[!Á^çá^, Ác@^Áá^&ä•â[ ]ÉÁV@ä•Á { ^cä}•\*Á { æ^Áá}&|~á^Ác@^Á•~] ^!çä•[!•È  
 ÎÈ V@^Ác!æä}^^Á { æ^Á&@[ [•^Ác[!Áæ&&^]cÁc@^Á&[ ]áçä[ ]•Á[!Á { æ^Á&@[ [•^Ác[!Á&@æ|]^}•^Ác@^  
 æ&cä[ ]Áç•^^ÁÖ~^ÁÚ[!&••Á\*~ää^|ä]^•DÈ  
 ÎÈ V@^ÁÖä!^&c[!Á[!Á•~] ^!çä•[!Á { æ^Á&[ ]•~|cä, äc@Ác@^Ác!æä}^^q•ÁÖä!^&c[!Á[-ÁÖ|ä]á&æ|  
 V!æä}ä}•\*Á-[! { Ác@^Á!Áá[&c[!æ|Á]![\*!æ { ÁæcÁæ}^Ácä { ^È

V@^Á!^ { ^áæcä[ ]Á\*~ää^|ä]^•Áà^| [ , Áæ!Áá}c^}ááÁc[!Áæää!Á••ÁæÁc!æä}^^q•Á~}•æcä•-æ&c[!~  
 ]^!- [! { æ}&^Áæ}áÐ[!Á[c@^!Á]!|à|^ { æcä&Áà^@æçä[!•ÉÁV@^ÁÖ[~]•^|ä}•\*ÁÖ^}c!Á!Á•^!ç^Ác@^  
 !á\*~cÉÁä}Ác•Á•[!^Áää•&!cä[ ]ÉÁc[!Áá^c^! { ä}^Ác@^Áæ}][!|!æc^Á!^ { ^áæ|Áæ&cä[ ]ÉÁ~]Ác[!Áæ}á  
 ä}&|~ää}•\*Áá { { ^áæc^Ááá• { ä••æ|Á- [! { Ác@^Ác!æä}•\*Á}![\*!æ { ÉÁæ•Áæ!Á}^&••cæc^Áá^Ác@^  
 ä}áçä~æ|Á-æ&c•Á[-ÁæÁ]æ!cä&~|æ!Á&æ•^ÉÁcÁæ}~Ácä { ^Áá~!ä}•\*Ác@^Á^æ!ÉÁæÁÖ[~]•^|ä}•\*ÁÖ^}c!  
 •cæ~Á { ^ { à^!Á { æ^Áá^•á\*}æc^Á•[ { ^Áæ•] ^&cç•DÁ[-ÁæÁc!æä}^^c•Á]![\*!^••ÉÁ]^!- [! { æ}&^É  
 æ}áÐ[!Áà^@æçä[!Áæ•Á~}•æcä•-æ&c[!~Á- [!Áæ}Áá}c^!}Áá}Ác!æä}á}•+Áæ}áÁ%}^^á•Á!^ { ^áæcä[ ]È+  
 U}^Á[!Á { [!^Á[-Ác@^Á- [|| , ä}•\*Á]!&^á~!Á•Á, ä||Áà^Áä}áçäæc^Ááæ&&[!áá}•\*Ác[!Ác@^Á|^ç^|Á[-  
 ~}•æcä•-æ&c[!~Á]![\*!^••Áæ}áÐ[!Á]!|à|^ { æcä&Áà^@æçä[!ÉÁQ}Áæääáçä[ ]ÉÁæ•Á}[c^ááæà[ç^ÉÁc@^  
 Ö[~]•^|ä}•\*ÁÖ^}c!Á!Á { æ^Áæ|•[Á&[ { { ~}á&æc^Á, äc@Ác@^Ác!æä}^^q•Á\*!æá~æc^Á]![\*!æ {  
 !^\*æ!áá}•\*Áæ}^Á~}•æcä•-æ&c[!~D]!|à|^ { æcä&Áà^@æçä[!Áæ}áÁ!^ { ^áæcä[ ]Á]!&^á~!Á•  
 á { ]|^ { ^}c^ááá^Ác@^ÁÖ[~]•^|ä}•\*ÁÖ^}c!ÁÈ

OÈÈ KÁÖä!^&cÁ&[ { { ~}á&æcä[ ]Áæ}áçç!àæ| , æ!}á}•\*Ác[!Ác@^Ác!æä}^^Ááá^}cä~^á}•  
 c@^Á~}•æcä•-æ&c[!~Áà^@æçä[!Áæ}áÐ[!Ác@^Á}^^áÁc[!Áá•&[ ]cä}~^Ác@^Á]!|à|^ { æcä&Áà^@æçä[!È

Òçæ { ]|^KÁcÉÁ { ^cä}•\*Áá•Á•&@^á~|áá, äc@Ác@^Ác!æä}^^ÉÁÖä!^&c[!Áæ}áÐ[!Á•~] ^!çä•[!•Ác[  
 áá•&~•Ác@^Ác!æä}^^q•Á-æä!~!Ác[!Á•~á { áçÁ]![\*!^••Á} [c^Áá}ÁæÁcä { ^!^Á { æ} } ^!ÉÁ[!Ác@^Ác!æä}^^c•  
 çæ!áá}^••Ác[!Á { ^cä}•\*Á[!Á, [!~È

Þ[!Á!^&[!áá[-Ác@^Ááæ&cä[ ]Áá•Á\^]cÁá}Ác@^Ác!æä}^^á-ä|ÁÈ

ÓÈ Y!ácc^}Áæ&\ [ , |^á\*^ { ^}c c[!Ác@^Ác!æä}^^Á- [! { æ|^  
 •cæcä}•K

FÈ V@æcÁc@^ÁÖä!^&c[!Áæ}áÁ•~] ^!çä•[!•Áæ!Áæ, æ!Á[-Áæ}áÁ&[ ]&^!^ááæà[~c  
 ~}•æcä•-æ&c[!~Á]![\*!^••Áæ}áÐ[!Á]!|à|^ { æcä&Áà^@æçä[!L  
 GÈ V@æcÁc@^Á&[ ]&^!}•Á@æç^Áá^}Áá! [ ~\*@cÁc[!Ác@^Ác!æä}^^L

HÈ



lÉAV@^Á]! [&^ã~!^Ác[Áæ•&!cæã}Á, @^c@^!Ác@^Á]! [à|^ { Áæ•Áà^^}Áæ ]! [ ]!iæc^!^Á!^&cã-ã^ÁLáæ}ã

lÉAV@^Á& [ ]•^~^>}&^•Á[-Á] [cÁæ { ^|ã [!æcã} \*Ác@^Áãã^}cã-ã^ÁÁ]^- [! { æ}&^Á [!Áà^@æçã [!Áã••^•

OEÁ& [ ]^Á [-Ác@ã•Á•cæc^ { ^}cÁ, ã||Áà^Á\^]cÁã}Ác@^Ác!æã}^^q•Á-ã|^È

Òçæ { ]|^ÁV!æã}^^Á^çæ|~æcã [ ]•Áã}Á [ ]^Á [!Á { [!^Á [-Ác@^Á { æb [!Á& [ { ]^c^}&^Áæ!^æ•Á!^-|^&c  
•ã\* }ã-ã&æ}cÁ•\ã||Áã^~ã&ác•Áã} & [ ]•ã•c^}cÁ, ác@Á|^ç^|Á [-Ác!æã}ã} \*Áæ}ãb [!Á^ç] ^&c^Á|^ç^|Á [-  
ã^ç^| [ ] { ^}cÉÁ•~|^!çã• [!ç•qDÁ|^] [!c•Áã}ã&æc^Á& [ ]•ã•c^}cÁ•ã\* }ã-ã&æ}cÁ|æ}•^•Áã}Ác@ã&æ|Á [!  
]! [-••ã [ ]æ|Áb~ã\* { ^}cÉÁ [!Á&|^]cÁ&æ!^Áã•Áb [ ]æ!ãã : ^Áàæ•^ÁÁ }Ác@^Áã^&ã [ ]•Áæ}ãb [!  
à^@æçã [!•Á [-Ác@^Ác!æã}^^È

Ø Q-Ác@^ÁÖã!^&c [! á^c! { ã}^•ÉÁã}Á& [ ]•~|cæcã [ ]Á, ác@  
c@^Áæ ]! [ ]!iæc^Á•~|^!çã• [!ç•DÉÁc@æcÁc@^!^Á@æ•Á] [cÁà^^}Á•~ã&ã^}cÁã { ]! [ç^ { ^}cÁã}Ác@^  
c!æã}^^q•Á]! [ \*!^••Áæ}ãb [!Áà^@æçã [!Ác [!Á^ { [ç^Á^Ác@^!^Ác@^Á&@^ã~|^Á { [ãã-ã&æcã [ ]Á [!  
]! [àæcã [ ]ÉÁc@^ÁÖã!^&c [!Áæ}ãÁc@^Á&|ã}ã&æ|Á•cæ~Á, ã||Áãã&~••Á] [••ãà|^Á& [ ]•^•Á [-Áæ&cã [ ]Ác [!Áà^  
cæ\^}ÉÁV@^ÁÖã!^&c [!Á, ã||Á& [ { { ~}ã&æc^Áã}Á, !ãcã} \*Ác [Ác@^Ác!æã}^^Ác@æcÁc@^Á& [ ]ããcã [ ]•Á- [!  
!^ç [!ã} \*Ác@^Á]! [àæcã [ ]Á [!Á { [ãã-ã^ÁÁ&@^ã~|^Á@æç^Á} [cÁà^^}Á { ^cÉÁæ}ãÁæÁ& [ ]^Á [-Ác@ã•Á, ã||  
à^Á\^]cÁã}Ác@^Ác!æã}^^q•Á-ã|^ÉÁV@ã•Á} [cã&^Á, ã||Áã}&|^ãÁc@^Á& [ ]•^•Á [-Áæ&cã [ ]Ác@^ÁÖã!^&c [!Á@æ•  
ã^&ãã^ÁÁc [Áã { ]|^ { ^}cÉÁV@^•^Á { æ^Áã}&|^ã^Á& [ ]cã}~æcã [ ]Á [-Ác@^Á!^ { ^ããæcã [ ]Á^~ [!c•Á- [!Áæ  
•]^&ã-ã^Ácã { ^Á]!• [ ]ÉÁ [!Áæ}^Á [-Ác@^Á- [ ] [ ] , ã} \*K

ÖK KÁV@ã•Á!^~ã!^• æÁá^c! { ã}æcã [ ]Ác@æcÁc@^  
, ^|-æ!^Á [-Ác@^Ác!æã}^^q•Á&|^}c•Á@æ•Áà^^}Áb [ ]æ!ãã : ^ÁÉÁV@^!^~ [!^ÉÁãã!^&cÁ•^!çã&^Áæ&cãçãcã^•  
, ã||Áã^Á••^}ã^}ã^Á- [!ÁæÁ•]^&ã-ã^ÁÁ]^ã [ããæ•Áá^c! { ã}^ÁÁà^Ác@^ÁÖã!^&c [!Áã}Á& [ ]•~|cæcã [ ]  
, ác@Ác@^Á•~|^!çã• [!ÉÁc@^Ác@^Á^}ãÁ [-Ác@^Á••^}ã [ ]Á]^ã [ãÉÁc@^Ác!æã}^^q•Á•~|^!çã• [!Áã}  
& [ ]•~|cæcã [ ]Á, ác@Ác@^ÁÖã!^&c [!Á, ã||Áæ••••Ác@^Ác!æã}^^q•Á&æ}æ&ác~Á- [!Á^~^Á&cãç^Á~} &cã [ ]ã} \*  
æ}ãÁá^c! { ã}^Á, @^}Áãã!^&cÁ•^!çã&^Á&æ}Áà^Á!^•~ { ^ÁÉÁÖ [ &~ { ^}cæcã [ ]Á!^\*æ!ãã} \*  
•••^}ã [ ]Á [-Áãã!^&cÁ•^!çã&^Áæ&cãçãcã^•Á, ã||Áà^Á\^]cÁã}Ác@^Ác!æã}^^q•Á-ã|^È

PÈ KÁV@ã•Áã}ç [!ç^Ác@^Ác { ] [!æ!^, ác@ã!æ, æ|Á [-Áæ||Á!^•] [ ]•ããã|ãcã^•  
æ}ãÁ]!ãçã|^\*^•ÁæcÁc@^ÁÖ [ ]•~|^ã} \*ÁÖ^]c!ÉÁæ}ãÁ, ã||Áã^Áã [ &~ { ^}c^Áãã}Ác@^Ác!æã}^^q•Á-ã|^ÉÁc  
, ã||Áæ|• [!Áà^Á} [c^Áãã-Ác@^Á]! [àæcã [ ]Á]^ã [ãÉÁ•••^}ã [ ]Á [-Áãã!^&cÁ•^!çã&^Áæ&cãçãcã^•ÉÁ [!  
æã { ã}ã•c!æcãç^Á|^ç^Áã}c!^-|^!^•Á, ác@Ác@^Á•~&^••~|^Á& [ { ]|^cã [ ]Á [-Ác@^Ác!æã}ã} \*Á@ [ ]•!  
}^^Á^ÁÁ- [!Á& [ { ]|^cã [ ]Á [-Ác@^Ác!æã}ã} \*Á^æ!È

ÖÈ Ö^}!æ||^ÉÁc@^Áæà [ç^Á\*~ãã|^ã}^•Áæ!^ã}c^}ã^ÁÁc [ÁæããÁc@^Ác!æã}^^Áæ&@ã^çã} \*  
^ç]^&c^Á& [ { ]^c^}&ã^Á- [!Ác@^Á!Á|^ç^|Á [-Áã^ç^| [ ] { ^}cÁæ}ãÁc@^Ác!æã}ã} \*Á [æ|^ÉÁÖã { ã••æ|  
ã}ç [!ç^Ác@^Á]^! { æ}^}cÁ, ác@ã!æ, æ|Á [-ÁÖ [ ]•~|^ã} \*ÁÖ^]c!ÉÁ!^• [ ]•ããã|ãcã^•Áæ}ãÁ]!ãçã|^\*^•È  
Y@^}Á•]^&ã-ã&Áã}c!ç^}cã [ ]•Áã [Á] [cÉÁæ-c!^ÁæÁ!^æ• [ ]æà|^Ácã { ^Á]^ã [ãÉÁ!^ { ^ã^Ác@^  
]! [à|^ { æcã&Áà^@æçã [!Á [!Á& [ ]&^!}•Áæ}ãÁc@^Ác!æã}^^Á•^ { •Á~}æà|^Á [!Á~}, ã||ã} \*Ác [Áæ|c!  
@^!D@ã•Áà^@æçã [!ÉÁc@^ÁÖã!^&c [!Á, ã||Á& [ ]•~|cÁ, ác@Ác@^Á•~|^!çã• [!Áæà [ ]cÁc@^Á] [••ããã|ãc^Á [-



V@^Áâ }c^}cÁ[-Áâ~^Á]! [&••Áâ•Ác[Áâ]~! { Áæ }áÁ! [çâ^ÁæÁ-!æ { ^, [!Ác[Á!^•] [ ]}áÉÁæ&cÉÁ [! áâ• ]~c^ÉÁ Y @^}ÁæÁ { æcc^!Á&æ } [cÁà^Á!^• [ç^á^Áà^c, ^^}ÁæÁ•~ ]^!çâ• [!Áæ }áÁâ}c^!}ÉÁc@^Á•c^}• c[Áà^Ácæ\^}Áæ!^Á!â•c^á^Áà^! [ , È

V@^!^Áæ!^Ác, [Á•âc~æcá [ ]•Áâ}Á, @â&@Á\*!â^çæ}&^Á]! [&^á~!^•Á&æ}Áà^Áâ}âcæc^áÈ

FÈ CE}Áâ}c^!}Á&æ}Á&@æ||^} \*^Áæ}Á^çæ|~æcá [ ]Á!^ [!cÁà^Ác@^á!Á•~ ]^!çâ• [!•Á [!ÁæÁ& [ { ]|æâ}c -! [ { Áæ } [c@^!Á]æ!c^Á!Áæ&cá [ ]•Á!^& [ { { ^ }á^á^Á^Ác@^Á•~ ]^!çâ• [!•ÉÁV@^~Á&æ}Á^!^&c c[Áæcc^ { ]cÁc[Á!^• [ç^Ác@â•Áâ]~! { æ||^Á [!Á-! { æ||^LÁà [c@Á•^c•Á [-Á]! [&^á~!^•Áæ!^ á^cæ!|Áà^! [ , È  
GÈ CEÁc!æâ}^^Á { æ^Á@æç^ÁæÁ& [ { ]|æâ}cÁæ\*æâ }•cÁæÁÔ [ ~ }•^!â } \*ÁÔ^}c^!Á•cæ~Á { ^ { à^!

Q-ÁæÁc!æâ}^^Áâ•Áââ••æcâ•-â^á^Á, âc@Á•~ ]^!çâ• [!•q^Áçæ|~æcá [ ]•Á [!Áââ•æ\*!^•Á, âc@ÁæÁ& [ { ]|æâ}c -! [ { Áæ } [c@^!Á]æ!c^ÉÁ@^Á [!Á•@^Á { æ^Á!^~^•cÁæÁ• }^Á&áæ|Á { ^^cá } \*Á, âc@Ác@^ÁÔâ!^&c [!ÉÁV@^!^çâ^, Á { ^^cá } \*Á, â||Áâ}&|~á^Ác@^ÁÔâ!^&c [!Áæ }áÁæ }^Á•cæ~Áâ}ç [!ç^á^Áâ}Ác@^Áââ• ]~c^ÉÁV@^ c!æâ}^^Á { æ^Áâ }çâc^Á [c@^!Á•cæ~Á { ^ { à^!•Ác [Áæ••â•cÁ [!Á]!^•^}cÁæáââcá [ ]æ|Áâ}~! { æcá [ ]È Ú [••â!^Áæ&cá [ ]•Áâ}&|~á^Áâ~cæ!^Á} [cÁ!â { âc^á^Ác [K

- Á æDÁÁcE&&^}cæ}&^Á [!Á { [áâ-â&æcá [ ]}Á [-Ác@^Á•~ ]^!çâ• [!•q^Áçæ|~æcá [ ]•
- Á àDÁÁÚ)^&â-â&Á&@æ} \*^•Áâ}Ác@^Á!^ { ^áâæcá [ ]Á]! [ \*!æ {
- Á &DÁÁÔ@æ} \*^Á [-Á•~ ]^!çâ• [!ÉÁæ}áD [!]
- Á áDÁÁcEáââcá [ ]Á [-Áæ} [c@^!Á•~ ]^!çâ• [!]

Q-Ác@^Ác!æâ}^^Á!^ { æâ }•Áââ••æcâ•-â^á^Ác@^~Á&æ}Áâ}•câc~c^ÁæÁ-! { æ|Á&@æ||^} \*^È

Q-Ác@^Ác!æâ}^^Á, â•@^•Ác[-! { æ||^Á&@æ||^} \*^Áæ}~Áæ&cá [ ]Ácæ\^}Áà^Ác@^á!Á•~ ]^!çâ• [!ÉÁc@^ c!æâ}^^Á { ~cÉÁ, âc@â}Á!Á, [!Ááæ^•Á [-Ác@^!Á!^&^á]cÁ [-Ác@^ÁÔâ!^&c [!q•Áá^&â•á ]}ÉÁâ}~! { Ác@^ ÁÔâ!^&c [!Áâ}Á, !áçá } \*Á [-Ác@^!Á!Á&@æ||^} \*^ÉÁ Y @^}ÁæÁ&@æ||^} \*^Áâ•Á { æá^ÉÁc@^Ác!æâ}^^Á { ~c [ ]! [çâ^Ác@^ÁÔâ!^&c [!Á, âc@Áâ]~! { æcá [ ]Á•~ ] [!cá } \*Ác@^Ác!æâ}^^q•Á [!•âcá [ ]Á [!Á& [ ]&^!}ÉÁ Y âc@â} HÁ, [!Ááæ^•Á [-Ác@^!Á!^&^á]cÁ [-Ác@â•Á] [câ-â&æcá [ ]ÉÁc@^ÁÔâ!^&c [!Á, â||Á& [ ]•~|cÁ, âc@Ác@^Á [c@^! •~ ]^!çâ• [!•Áæ}áÁ, â||Áâ { ]|^ { ^}cÁ]! [&^á~!^•Áæ•Áâ^•&!â^á^Áà^! [ , È

V@^Ác!æâ}â} \*Á]! [ \*!æ { Á!^& [ \* }â: ^•Ác@æcá~ }æ}cá&á]æc^áÁ]! [à|^ { •Á { æ^Á [&&æ•â [ ]æ||^Áæ!â•^ à^c, ^^}Ác!æâ}^^Áæ}áÁ [c@^!ÁÔ [ ~ }•^!â } \*ÁÔ^}c^!Á•cæ~ÉÁV@^Á]! [à|^ { È• [!çâ } \*Á]! [&^á~!^• á^•&!â^á^Áà^! [ , Áæ!^Áâ}c^}á^á^Ác[Áæáâ!^••Ác@^~Á&æ}Áâ}•câc~c^ÁæÁ-! [! ]^ { È



Á FDÁÁCEÁc!æä}^^Á , @ [Á@æ•ÁæÁ& [ ]&^!}Á , äc@ÁæÁÔ [ ~ } •^|ä} \*ÁÔ^}c^!Á•cæ~Á { ^ { à^!Á [ !  
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