

PrP»Cł PjPμPrPēC‡PSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCł P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf

PŸCfP»C-PeCfPsPS

(Tulixone)

PŸPeP»P°Pr:

PrC-CHC‡C- CŸPμC‡PsPIPēPSPē: C‡PμC,,C,CŸC-P°PeCfPsPS, CfCfP»CHP±P°PeC,P°Pj;

1 C,,P»P°PePsPS PjC-CfC,PēC,CH C‡PμC,,C,CŸC-P°PeCfPsPSCf PSP°C,CŸC-CH
PμPePIC-PIP°P»PμPSC,PSPs C‡PμC,,C,CŸC-P°PeCfPsPSCf 1 Pi C,P° CfCfP»CHP±P°PeC,P°PjCf
PSP°C,CŸC-CH PμPePIC-PIP°P»PμPSC,PSPs CfCfP»CHP±P°PeC,P°PjCf 500 PjPi.

P»C-PeP°CfCfCHPeP° C,,PsCŸPjP°. PμPsCŸPsC€PsPe PrP»Cł PiCŸPēPiPsC,CfPIP°PSPSCł
CŸPsP·C‡PēPSCf PrP»Cł C-PSBŸ™ C''PeC‡C-PNē.

*PŸCfPSPsPIPS- C,,C-P·PēPePs-C...C-PjC-C‡PSC- PIP»P°CfC,PēPIPsCfC,C-: P±C-P»PēPNē
P°P±Ps PjP°PNēP¶Pμ P±C-P»PēPNē PiPsCŸPsC€PsPe.*

P»P°CŸPjP°PePsC,PμCŸP°PiPμPIC,PēC‡PSP° PiCŸCfPiP°.

PŸPSC,PēP±P°PeC,PμCŸC-P°P»CHPSC- P·P°CfPsP±Pē PrP»Cł CfPēCfC,PμPjPSPsPiPs
P·P°CfC,PsCfCfPIP°PSPSCł, C-PSC€C- b-P»P°PeC,P°PjPSC- P°PSC,PēP±C-PsC,PēPePē.
PiPμC,,C,CŸC-P°PeCfPsPS, PePsPjP±C-PSP°C‡C-C—. PμPsPr PŸPŸP¶ J01D.

P»P°CŸPjP°PePsP»PsPiC-C‡PSC- PIP»P°CfC,PēPIPsCfC,C-.

P»P°CŸPjP°PePsPrPēPSP°PjC-PeP°.

PŸCfP»C-PeCfPsPSB bŸ" C‡Pμ PePsPjP±C-PSP°C‡C-Cł C‡PμC,,C,CŸC-P°PeCfPsPSCf C,P°
CfCfP»CHP±P°PeC,P°PjCf PSP°C,CŸC-CH.

PiPμC,,C,CŸC-P°PeCfPsPS bŸ" PiP°CŸPμPSC,PμCŸP°P»CHPSPēPNē
C‡PμC,,P°P»PsCfPiPsCŸPēPSPsPIPēPNē P°PSC,PēP±C-PsC,PēPe III PiPsPePsP»C-PSPSCł P·
PiCŸPsP»PsPSPiPsPIP°PSPsCH PrC-C"CH. P°P°PeC,PμCŸPēC‡PēPrPSP° P°PeC,PēPIPS-CfC,CH
C‡PμC,,C,CŸC-P°PeCfPsPSCf P·CfPjPsPIP»PμPSP° PiCŸPēPiPSC-C‡PμPSPSCłPj CfPēPSC,PμP·Cf
PeP»C-C,PēPSPSPēC... PjPμPjP±CŸP°PS. PiPμC,,C,CŸC-P°PeCfPsPS P°PeC,PēPIPSPēPNē *in vitro*
PIC-PrPSPsCfPSPs P±C-P»CHC€PsCfC,C- PiCŸP°PjPSPμPiP°C,PēPIPSPēC... C-
PiCŸP°PjPiPsP·PēC,PēPIPSPēC... PjC-PeCŸPsPsCŸPiP°PSC-P·PjC-PI.
PiPμC,,C,CŸC-P°PeCfPsPS C...P°CŸP°PeC,PμCŸPēP·CfC"C,CHCfCł PrCfP¶Pμ

$P_4C_7P_6P_7C-C, P_6P^\circ. P^\circ P^\circ P^\circ C, P_s P^\circ C- C\in C, P^\circ P_7C-PI PIP\ddot{C}\%P_{\mu}P^\circ P^\circ PSP^\circ C\ddagger P_{\mu}PSP\ddot{C}...$
 $P_7C-P_6C_7P_sP_sC_7P_iP^\circ PSC-P^\circ P_7C-PI, C\ddagger P_{\mu}P_6C- P_7P^\circ C_7C, C_H P_jPSP_sP_{\mu}P\ddot{C}PSPSCr$
 $C\ddot{C}C, C-PN_2P_6C-C\ddot{C}C, C_H PrP_s C, P^\circ P_6P\ddot{C}... P^\circ PSC, P\ddot{P}\pm C-P_sC, P\ddot{P}P_6C-PI, C\ddagger P_{\mu}P$
 $P^\circ P_7C-PSP_sP_iP_{\mu}PSC-C\ddagger P\ddot{P}\gg C-PSP\ddot{C} C, P^\circ CrC_7P_{\mu}C-PrP_sP_iP_{\mu}PSC-C\ddagger P\ddot{P}\gg C-PSP\ddot{C},$

C†PμC,,P°P»PsCÍPİPsCĤPĚPSPĚ PİPμCĤC€PsPiPs C,P° PrCĤCÍPiPsPiPs
PİPsPePsP»C-PSPSCİ, P°PjC-PSPsPiP»C-PePsP·PĚPrPĚ, C" C‡CrC,P»PĚPIPĚPjPĚ PrPs
C†PμC,,C,CĤC-P°PeCÍPsPSCÍ, P·P° PIPĚPSCİC,PePsPj PeP»C-PSC-C‡PSPĚC...
C€C,P°PjC-PI *P.eruginosa*, CÍC,C-PNĚPePĚC... PrPs C†PμC,,C,CĤC-P°PeCÍPsPSCÍ.
Treponema pallidum C‡CrC,P»PĚPIP° PrPs C†PμC,,C,CĤC-P°PeCÍPsPSCÍ *in vitro* C- PI
PrPsCÍP»C-PrP°C... PSP° C,PIP°CĤPĚPSP°C.... PĽP»C-PSC-C‡PSC-
PIPĚPİCĤPsP±CÍPIP°PSPSCİ PİPsPeP°P·CÍCĤC,CH, C%oPs C†PμC,,C,CĤC-P°PeCÍPsPS
PμC,,PμPeC,PĚPIPSPĚPNĚ PrP»Cİ P»C-PeCÍPIP°PSPSCİ PİPμCĤPIPĚPSPSPsPiPs C-
PIC,PsCĤPĚPSPSPsPiPs CÍPĚC,,C-P»C-CÍCÍ;

P₅PSP°P₁C₇PSP±P₆: *Bacteroides* spp. (C†C₁C,P»P₆PIC- PrPs P¶PsPIC†C-)*, *Clostridium* spp. (PeC₇C-P₁ *C.difficile*), *Fusobacterium nucleatum*, *Fusobacterium* spp. (C-PSC€C-), *Gaffkia anaerobica* (C₇P°PSC-C€P₁ PSP°P·P₆PIP°P»P₆C₁C¶ *Peptococcus*), *Peptostreptococcus* spp.

* P^oPuCl₂PeC- C-P^oPsP»Cl₂C,Pë C†PëC... PIPëPrC-PI Cl^oC,C-PN₂PeC- PrPs
C†PuC₂,C,C₂C-P^oPeCl^oPsPSCr^o PIPSP^oCl^oP»C-PrPsPe CrC,PIPsC₂PuPSPSCl₂ β-P»P^oPeC,P^oPjP^oP.

$P_4C_7P_6P_7C-C,P_eP^o$. P'P°PiP°C,Ps P·C- C€C,P°PjC-PI *Bacteroides* spp., ClIPeC-PiC $\overline{H}$ PsPrCrPeCrCHC,CH b-P»P°PeC,P°PjP°P·Pë
(P·PsPeC $\overline{H}$ PμPjP°,B B B B B B B B B B B B B B B *B.fragilis*), CÍC,C-PN₂PeC- PrPs
C†PuC,,C,CHC-P°PeCÍPsPSCrí. PÿC,C-PN₀PePēPN₀ *Clostridium difficile*.

$P\check{Y}CrP \gg CH_3P \pm P^\circ PeC, P^\circ Pj \text{ PSP}^\circ C, C\check{H}C - C\check{H} C'' \text{ PiPsC} \dots C - PrPSP\check{e}Pj \text{ PsC}\check{I}PSPsPIPSPsPiPs$
 $PiP\mu PSC - C\check{I}P\check{e}P \gg C - PSPsPIPSPiPs \text{ C}\check{I}PrC\check{H}P^\circ. P'C - PS C'' \text{ PSP}\mu PsP \pm PsC\check{H}PsC, PSP\check{e}Pj$
 $C - PSPiC - P \pm C - C, PsC\check{H}PsPj \text{ P} \pm P\mu C, P^\circ - P \gg P^\circ PeC, P^\circ PjP^\circ P \cdot P\check{e} C, P^\circ P \cdot P^\circ C\check{I}C, PsC\check{I}PsPICrC''C, CH_3C\check{I}C\check{I}$
 $C, C - P \gg CH_3PeP\check{e} \text{ PiP}^\circ C\check{H}P\mu PSC, P\mu C\check{H}P^\circ P \gg CH_3PSPs. P - P^\circ C \dots C - PjC - C\check{I}PSPsC\check{H}$
 $C\check{I}C, C\check{H}CrPeC, CrC\check{H}PsC\check{H} \text{ C}\check{I}P\mu \text{ C}\check{I}CrP \gg CH_3C, PsPS \text{ PSP}^\circ C, C\check{H}C - C\check{H} \text{ PiP}\mu PSC - C\check{I}P\check{e}P \gg C - PSP^\circ C, Cr.$
 $P_{\check{H}}C - C\check{I}C, P\check{e}C, CH_3 \text{ 92 PjPi PSP}^\circ C, C\check{H}C - C\check{H} (4 \text{ PjP} \cdot PePI) \text{ PSP}^\circ 1 \text{ Pi. } P\check{Y}CrP \gg CH_3P \pm P^\circ PeC, P^\circ Pj \text{ в}\check{H}''$
 $PrCrP\check{I}P\mu \text{ P} \gg P\mu PiPePs \text{ C}\check{H}PsP \cdot C\check{I}P\check{e}PSPSP\check{e}PN_{\check{e}} \text{ Cr PIPsPrC - PeC}\check{H}P\check{e}C\check{I}C, P^\circ P \gg C - C\check{I}PSP\check{e}PN_{\check{e}}$
 $PiPsC\check{H}PsC\check{e}PsPe \text{ PjP}^\circ PN_{\check{e}}P\check{I}P\mu \text{ P} \pm C - P \gg PsPiPs \text{ PePsP} \gg CH_3PsC\check{H}Cr. P_{\check{H}}PsP \gg P\mu PeCrP \gg C\check{I}C\check{H}PSP^\circ$
 $PjP^\circ C\check{I}P^\circ C\check{I}C, P^\circ PSPsPIP\check{e}C, CH_3 \text{ 255, 22.}$

PŸCŕP»CHP±P°PeC,P°Pj PSPµ PjP°C” PIPëCĤP°P¶PµPSPSc—
 P°PSC,PëP±P°PeC,PµCĤC–P°P»CHBPSPSc— P°PeC,PëPIPSpScŦC,C–, P·P° PIPëPSCŦC,PePsPj
 P°PeC,PëPIPSpScŦC,C– PĭCĤPsC,Pë *Neisseriaceae* C,P° *Acinetobacter*. PhPrPSP°Pe
 P±C–PsC...C–PjC–C±PSC– PrPsCŦP»C–PrP¶PµPSPSCŦ PSP° P±PµP·PeP»C–C,PëPSPSPëC...
 P±P°PeC,PµCĤC–P°P»CHBPSPëC... CŦPëCŦC,PµPjP°C... PĭPsPeP°P·P°P»Pë, C%Ps
 CŦCŕP»CHP±P°PeC,P°Pj C” PSPµPsP±PsCĤPsC,PSPëPj C–PSPiC–P±C–C,PsCĤPsPj
 PSP°PNëPIP°P¶P»PëPIC–CëPëC... P±PµC,P°–P»P°PeC,P°PjP°P·, C%Ps
 PĭCĤPsPrCŕPeCŕCĤC,CHCŦCŦ PjC–PeCĤPsPsCĤPiP°PSC–P·PjP°PjPë,
 CĤPµP·PëCŦC,PµPSC,PSPëPjPë PrPs P±PµC,P°–P»P°PeC,P°PjPSPëC... P°PSC,PëP±C–PsC,PëPeC–PI.

$P_{\mu}P_{\sigma}C, P_{\mu}P_{\sigma}C \dagger C - P^{\circ}P \gg C \Gamma C \Gamma P \gg C H P \pm P^{\circ}P e C, P^{\circ}P j C \Gamma C \% P s P r P s P \cdot P^{\circ}P i P s P \pm C - P i P^{\circ}P S P S C \downarrow$
 $P r P_{\mu}C \Gamma C, C \Gamma C \Gamma P e C \dagger C - C - P i P_{\mu}P_{\sigma}C - C \dagger P e P \gg C - P S C - P I C, P^{\circ}C \dagger P_{\mu}C,, P^{\circ}P \gg P s C \Gamma P i P s C \Gamma P e P S C - P I$
 $C \Gamma P_{\mu}P \cdot P e C \Gamma C, P_{\mu}P_{\sigma}C, P S P e P j P e P j C - P e C \Gamma P s P s C \Gamma P i P^{\circ}P S C - P \cdot P j P^{\circ}P j P e$
 $P i C - P r C, P I P_{\mu}C \Gamma P r P \P P_{\mu}P S P e P N_{\circ} P r P s C \Gamma P \gg C - P r P \P P_{\mu}P S P S C \downarrow P j P e C \Gamma P_{\mu}P \cdot P e C \Gamma C, P_{\mu}P_{\sigma}C, P S P e C \dots$
 $C \in C, P^{\circ}P j C - P I P S P^{\circ}C \dagger C - P \gg C - C \Gamma P S P e C \dots P j C - P e C \Gamma P s P s C \Gamma P i P^{\circ}P S C - P \cdot P j P^{\circ}C \dots, C \Gamma C \downarrow P e P e C \dots$
 $C \Gamma C \Gamma P \gg C H P \pm P^{\circ}P e C, P^{\circ}P j P i C \Gamma P s P r P_{\mu}P j P s P S C \Gamma C, C \Gamma C \Gamma P I P^{\circ}P I P i P e C \Gamma P^{\circ}P \P P_{\mu}P S P e P N_{\circ}$
 $C \Gamma P e P S P_{\mu}C \Gamma P i C - P \cdot P j C - P \cdot P i P_{\mu}P_{\sigma}C - C \dagger P e P \gg C - P S P^{\circ}P j P e C, P^{\circ}C \dagger P_{\mu}C,, P^{\circ}P \gg P s C \Gamma P i P s C \Gamma P e P S P^{\circ}P j P e.$

PhCfPeC-P»CHPePe C fCfP»CHP±P°PeC,P°Pj C,P°PePsP¶ P·PIB¶™ C¶P·CfC"C,CHCfC¶ P·
PrPµC¶PePePjPe PiPµPSC-C†PeP»C-PSP·PIB¶™ C¶P·CfC¶C†PePjPe P±C-P»PeP°PjPe,
C†CfC,P»PePIC- C¶C,P°PjPe C fC,P°C¶C,CH PIC¶P°P·P»PePIC-C¶PePjPe PrPs PrC-C—
PŸCfP»C-PeCfPsPSCf, PSC-P¶ PrPs PrC-C— PsPrPSPsPiPs C†PµC,,PsPiPµC¶P°P·PsPSCf.

PαP°C¶PjP°PePsPeC-PSPµC,PePeP°.

PkPµ PrPsCfP»C-PrP¶CfPIP°P»Pe.

P¶P»C-PSC-C†PSC- C...P°C¶P°PeC,PµC¶PeCfC,PePePe.

PµPsPeP°P·P°PSPSC¶.

Ø P†PSC,,PµPeC†C-C— PSP¶P¶PSC-C... PIC-PrPrC-P»C-PI PrPeC...P°P»CHPSP¶C...
C¶P»C¶C...C-PI;

Ø PiPsCfC,C¶PePN P±P°PeC,PµC¶C-P°P»CHPSP¶PN PsC,PeC,
CfPµC¶PµPrPSC¶PsPiPs PICfC...P°;

Ø C-PSC,,PµPeC†C-C— Pj'C¶PePeC... C,PeP°PSP¶PS, C¶PeC-C¶Pe;

Ø C-PSC,,PµPeC†C-C— PSP¶C¶PsPe C- CfPµC†PsPIP¶PIC-PrPSP¶C... C¶P»C¶C...C-PI;

Ø C-PSC,,PµPeC†C-C— PeC-CfC,PsPe, CfCfPiP»PsP±C-PI;

Ø CfPµPiC,PeC†PµPjC-C¶;

Ø C-PSC,,PµPeC†C-C— PsC¶PiP°PSC-PI C†PµC¶PµPIPSsC— PiPsC¶PsP¶PSP¶PSP¶B
(PiPµC¶PeC,PsPSC-C,, C-PSC,,PµPeC†C-C— P¶PsPIC†PsPIP¶PIC-PrPSP¶C...
C¶P»C¶C...C-PI C- C,C¶P°PIPSsPiPs C,C¶P°PeC,Cf);

Ø PjPµPSC-PSPiC-C,;

Ø PiPsPSPsC¶PµC¶;

Ø PiC¶PsC,,C-P»P°PeC,PePeP° C-PSC,,PµPeC†C-PN C f C...C-C¶CfC¶PiC-C—.

PµC¶PsC,PePiPsPeP°P·P°PSPSC¶.B B B B B B

PµC-PrPIP¶C%PµPSP° C†CfC,P»PePIC-CfC,CH PrPs C†PµC,,C,C¶C-P°PeCfPsPSCf P°P±Ps PrPs
P±CfPrCH-C¶PePsPiPs C-PSC¶PsPiPs C†PµC,,P°P»PsCfPiPsC¶PePSCf. PkP°C¶PIPSC-CfC,CH PI
P°PSP°PjPSPµP·C- C,C¶P¶PePeC... C¶PµP°PeC†C-PN PiC-PiPµC¶C†CfC,P»PePIPsCfC,C-
(PSP°PiC¶PePeP»P°Pr, P°PSP°C,,C-P»P°PeC,PeC†PSP¶C... C¶PµP°PeC†C-PN) PrPs P±CfPrCH-
C¶PePsPiPs C-PSC¶PsPiPs C,PePiCf P±PµC,P°-P»P°PeC,P°PjPSP¶C...
P°PSC,PeP±P°PeC,PµC¶C-P°P»CHPSP¶C... P·P°CfPsP±C-PI (PiPµPSC-C†PeP»C-PSC-PI,

PjPsPSPsP±P°PeC,P°PjC-PI C,P° PeP°CḡP±P°PīPμPSPμPjC-PI); PSPëCḡPePsPIP° C,P°/P°P±Ps PīPμC‡C-PSPePsPIP° PSPμPrPsCfC,P°C,PSC-CfC,CH; P·P°C...PIPsCḡCḡPIP°PSPSCf C,CḡP°PIPsPSPiPs C,CḡP°PeC,Cf PI P°PSP°PjPSPμP·C-, PsCfPsP±P»PēPIPs PSPμCfPīPμC‡PēC,,C-C‡PSPëPNē PIPëCḡP°P·PePsPIPëPNē PePsP»C-C,, PμPSC,PμCḡPēC, P°P±Ps PePsP»C-C,, PīPsPIbḡ™ CfP·P°PSPëPNē C-P· P·P°CfC,PsCfCfPIP°PSPSCfPj P°PSC,PēP±P°PeC,PμCḡC-P°P»CHbPSPëC... PīCḡPμPīP°CḡP°C,C-PI.

P|PμC,,C,CḡC-P°PeCfPsPS PīCḡPsC,PēPīPsPeP°P·P°PSPëPNē:

PSPμPrPsPSPsCēPμPSPëPj PSPsPIPsPSP°CḡPsPrP¶PμPSPëPj PIC-PePsPj ≤ 41 C,PēP¶PrPμPSCḡ P· CfCḡP°C...CfPIP°PSPSCfPj C,PμCḡPjC-PSCf PIPSCfC,CḡC-CēPSCḡPsCfC,CḡPsP±PSPsPiPs CḡPsP·PIPëC,PeCf (PīPμCfC,P°C‡C-PNēPSPëPNē PIC-Pe PIC-Pe PīC-CfP»Cf PSP°CḡPsPrP¶PμPSPSCf)*;

PrPsPSPsCēPμPSPëPj PSPsPIPsPSP°CḡPsPrP¶PμPSPëPj (PIC-PePsPj ≤ 28 PrPSC-PI):

- C-P· PīC-PīPμCḡP±C-P»C-CḡCfP±C-PSPμPjC-C"ḡ, P¶PsPIC,CfPSPëC‡PμCḡ, PīC-PīPsP°P»CHbP±CfPjC-PSPμPjC-C"ḡ P°P±Ps P°C‡PēPrPsP·PsPj, PsCfPeC-P»CHbPePē PīCḡPē C,P°PePëC... CfC,P°PSP°C... P·PIbḡ™ CfP·CfPIP°PSPSCf P±C-P»C-CḡCfP±C-PSCf, C-PjPsPIC-CḡPSPs, PīPsCḡCfCēPμPSPμ*;

- CfPeC- PīPsC,CḡPμP±CfCḡC,CH (P°P±Ps PsC‡C-PeCfC"ḡ,CHbCfCf, C%oPs PīPsC,CḡPμP±CfPIP°C,PēPjCfC,CH) PIPSCfC,CḡC-CēPSCḡPsPIPμPSPSPsPiPs PIPμPrPμPSPSCf PīCḡPμPīP°CḡP°C,C-PI PeP°P»CHbC‡C-Cḡ P°P±Ps C-PSC,,CfP·C-PNē PeP°P»CHbC‡C-PNēPIPjC-CfPSPëC... CḡPsP·C‡PēPSC-PI, PsCfPeC-P»CHbPePē C-CfPSCfC" CḡPēP·PēPe CfC,PIPsCḡPμPSPSCf PīCḡPμC‡PēPīC-C,P°C,C-PI PeP°P»CHbC‡C-C"PIPsC— CfPsP»C- C‡PμC,,C,CḡC-P°PeCfPsPSCf (PrPēPI. CḡPsP·PrC-P»Pē B«PhCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCfB» C,P° B«PμPsP±C-C‡PSC- CḡPμP°PeC‡C-C-B»).

* Pj PrPsCfP»C-PrP¶PμPSPSCfC... C-n vitro P±CfP»Ps PīPsPeP°P·P°PSPs, C%oPs C‡PμC,,C,CḡC-P°PeCfPsPS PjPsP¶Pμ PIPëC,C-CfPSCfC,Pē P±C-P»C-CḡCfP±C-PS P·C- P·PIbḡ™ CfP·PeCf P· P°P»CHbP±CfPjC-PSPsPj CfPēCḡPsPIP°C,PePē PeCḡPsPIC-, C%oPs PīCḡPēP·PIPsPrPēC,CH PrPs PjPsP¶P»PēPIPsPiPs CḡPēP·PēPeCf CḡPsP·PIPëC,PeCf P±C-P»C-CḡCfP±C-PSPsPIPsC— PμPSC‡PμC,,P°P»PsPīP°C,C-C— Cf C,P°PePëC... PīP°C‡C-C"PSC,C-PI.

PμPμCḡPμPr PIPSCfC,CḡC-CēPSCḡPsPjBḡ™ CfP·PsPIPëPj PIPμPrPμPSPSCfPj C‡PμC,,C,CḡC-P°PeCfPsPSCf CfP»C-Pr PsP±PsPIbḡ™ CfP·PePsPIPs PIPëPeP»CḡC‡PēC,Pē PSP°CfPIPsC-CfC,CH PīCḡPsC,PēPīPsPeP°P·P°PSCḡ PrPs P·P°CfC,PsCfCfPIP°PSPSCf P»C-PrPsPeP°C—PSCf, CfPeC%oPs PNēPsPiPs P·P°CfC,PsCfPsPICfPIP°C,Pē Cf CfPePsCfC,C- CḡPsP·C‡PēPSPSPëPeP° (PrPēPI. CḡPsP·PrC-P» B«PhCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCfB»). P"PēPI. C-PSCfC,CḡCfPeC‡C-Cḡ PrP»Cf PjPμPrPēC‡PSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCf P»C-PrPsPeP°C—PSCf, PsCfPsP±P»PēPIPs PīCḡPsC,PēPīPsPeP°P·P°PSPSCf.

P PsP·C‡PēPSPë C‡PμC,,C,CḡC-P°PeCfPsPSCf, C%oPs PjC-CfC,CfC,CH P»C-PrPsPeP°C—PS, PSC-PePsP»Pē PSPμ CfP»C-Pr PIPsPrPēC,Pē PIPSCfC,CḡC-CēPSCḡPsPIPμPSPSPs.

P·P·P°C" PjPsPrC-Cf P· C-PSCēPēPjPē P»C-PeP°CḡCfCHbPePēPjPē P·P°CfPsP±P°PjPē C,P° C-PSCēC- PIPëPrPē PIP·P°C" PjPsPrC-PNē.

PkPμ PjPsP¶PSP° PIPëPePsCḡPëCfC,PsCfC,PsPICrPIP°C,Pë CḡPsP·C†PëPSPSPëPePë, C¶PeC-
 PjC-CfC,C¶C,Ch PeP°P»CHC†C-PNë, C,P°PeC- C¶Pe CḡPsP·C†PëPS P C-PSPIPμCḡP° P°P±Ps
 CḡPsP·C†PëPS P°P°CḡC,PjP°PSP°, PrP»C¶ CḡPsP·C†PëPSPμPSPSC¶
 C†PμC,,C,CḡC-P°PeCfPsPSCr Cr C,,P»P°PePsPSP°C... P°P±Ps PrP»C¶ CḡPsP·PIPμPrPμPSPSC¶
 PIC-PrPSPsPIP»PμPSPsPiPs CḡPsP·C†PëPSCr PrP»C¶ PIPSCrC,CḡC-CëPSCḡPsPIPμPSPSPsPiPs
 PIPIPμPrPμPSPSC¶ Cr P·PIBḡ™ C¶P·PeCr P· PIC-CḡPsPiC-PrPSC-CfC,Ch CrC,PIPsCḡPμPSPSC¶
 PïCḡPμC†PëPïC-C,P°C,C-PI PeP°P»CHC†C-C°PIPëC... CfPsP»PμPNë
 C†PμC,,C,CḡC-P°PeCfPsPSCr.B P°PëPSPëPePSPμPSPSC¶ PïCḡPμC†PëPïC-C,P°C,C-PI
 PeP°P»CHC†C-C°PIPëC... CfPsP»PμPNë C†PμC,,C,CḡC-P°PeCfPsPSCr C,P°PePsP¶ PjPsP¶Pμ
 PIC-PrP±CfPIP°C,PëCfC¶ PïCḡPë P·PjC-CëCfPIP°PSPSC- C†PμC,,C,CḡC-P°PeCfPsPSCr P·
 CḡPsP·C†PëPSP°PjPë, C¶PeC- PjC-CfC,C¶C,Ch PeP°P»CHC†C-PNë PI PsPrPSC-PNë
 C-PSC,,CfP·C-PNëPSC-PNë CfPëCfC,PμPjC- PrP»C¶ PIPSCrC,CḡC-CëPSCḡPsPIPμPSPSPsPiPs
 PIPIPμPrPμPSPSC¶. P|PμC,,C,CḡC-P°PeCfPsPS PSPμ PjPsP¶PSP° PsPrPSPsC†P°CfPSPs
 PIPIPsPrPëC,Pë PIPSCrC,CḡC-CëPSCḡPsPIPμPSPSPs P· CḡPsP·C†PëPSP°PjPë, C¶PeC-
 PjC-CfC,C¶C,Ch PeP°P»CHC†C-PNë, Cr C,PsPjCr C†PëCfP»C- P·
 PeP°P»CHC†C-PNëPIPjC-CfPSPëPjPë CḡPsP·C†PëPSP°PjPë PrP»C¶ C,CḡPëPIP°P»PëC...
 C-PSC,,CfP·C-PNë, C,P°PePëPjPë C¶Pe CḡPsP·C†PëPSPë PrP»C¶
 PïP°CḡPμPSC,PμCḡP°P»CHPSPsPiPs C...P°CḡC†CfPIP°PSPSC¶, P·P° PrPsPïPsPjPsPiPsCḡ
 Y-PïPsPrC-P±PSPsC— CfPëCfC,PμPjPë. PhPrPSP°Pe CḡPμCëC,C- PïP°C†C-C°PSC,C-PI,
 PeCḡC-Pj PSPsPiPsPSP°CḡPsPrP¶PμPSPëC..., C†PμC,,C,CḡC-P°PeCfPsPS C,P°
 PeP°P»CHC†C-PNëPIPjC-CfPSC- CḡPsP·C†PëPSPë PjPsP¶PSP° PIPIPsPrPëC,Pë
 PïPsCfP»C-PrPsPIPSPs, PsPrPëPS PïC-CfP»C¶ PsPrPSPsPiPs, C¶PeC%Ps PjC-P¶
 C-PSC,,CfP·C-C¶PjPë CḡPμC,PμP»CHPSPs PïCḡPsPjPëC,Pë CfPëCfC,PμPjCr
 CfCrPjC-CfPSPsCḡ CḡC-PrPëPSPsCḡ.

PhPïPëCfP°PSP° PSPμPIPμP»PëPeP° PeC-P»CHPeC-CfC,Ch P»PμC,P°P»CHPSPëC...
 PIPëPïP°PrPeC-PI Cr CḡPμP·CrP»CHC,P°C,C- CrC,PIPsCḡPμPSPSC¶ PïCḡPμC†PëPïC-C,P°C,C-PI
 PeP°P»CHC†C-C°PIPëC... CfPsP»PμPNë C†PμC,,C,CḡC-P°PeCfPsPSCr Cr P»PμPiPμPSC¶C... C,P°
 PSPëCḡPeP°C... PSPsPiPsPSP°CḡPsPrP¶PμPSPëC.... Pj PrPμC¶PePëC... PIPëPïP°PrPeP°C...
 PIPμPSPsP·PSC- PrPsCfC,CfPïPë C,P° C†P°Cf PIPIPμPrPμPSPSC¶ C†PμC,,CḡC,C-P°PeCfPsPSCr
 C,P° PeP°P»CHC†C-PNëPIPjC-CfPSPëC... CḡPsP·C†PëPSC-PI P±CfP»Pë CḡC-P·PSC-.

B Pj PrPsCfP»C-PrP¶PμPSPSC¶C... C-n vitro P· PIPëPePsCḡPëCfC,P°PSPSC¶Pj PïP»P°P·PjPë
 PïCfPïPsPIPëPSPSPsC— PeCḡPsPIC- PrPsCḡPsCfP»PëC... C,P°
 PSPsPiPsPSP°CḡPsPrP¶PμPSPëC... P±CfP»Ps PïPsPeP°P·P°PSPs, C%Ps
 PSPsPiPsPSP°CḡPsPrP¶PμPSPëPj P·P°PiCḡPsP¶CfC° PïC-PrPIPëC%PμPSPëPNë
 CḡPëP·PëPe CrC,PIPsCḡPμPSPSC¶ PïCḡPμC†PëPïC-C,P°C,C-PI PeP°P»CHC†C-C°PIPSC—
 CfPsP»C- C†PμC,,C,CḡC-P°PeCfPsPSCr (PrPëPI. CḡPsP·PrC-P»Pë B«PŸPïPsCfC-P±
 P·P°CfC,PsCfCrPIP°PSPSC¶ C,P° PrPsP·PëB», B«PμCḡPsC,PëPïPsPeP°P·P°PSPSC¶B»,
 B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCrPIP°PSPSC¶B», B«PμPsP±C-C†PSC-
 CḡPμP°PeC†C-C-B»).

P|PμC,,C,CḡC-P°PeCfPsPS Cr PePsPSC†PμPSC,CḡP°C†C-C— PrPs 1 PjPḡ (PSP°PrP»PëCëPePsPIC-
 PePsPSC†PμPSC,CḡP°C†C-C— PrPsCfC¶PiP°P»PëCfCh in vivo PïC-CfP»C¶
 PIPSCrC,CḡC-CëPSCḡPsPIPμPSPSPsPiPs PIP»PëPIP°PSPSC¶ PïCḡPsC,C¶PiPsPj 30 C...PI 2 Pi
 C†PμC,,C,CḡC-P°PeCfPsPSCr) P·P°CfC,PsCfPsPICrPIP°P»Pë Cr PePsPjP±C-PSP°C†C-C— P·
 PeP°P»CHC†C-C°Pj Cr PePsPSC†PμPSC,CḡP°C†C-C— PrPs 12 PjPḡ (48 PjPi/PrP»).
 P°C-PrPSPsPIP»PμPSPSC¶B C†PμC,,C,CḡC-P°PeCfPsPSCrB P·B PïP»P°P·PjPëB PeCḡPsPIC-B
 P·PjPμPSCëCfPIP°P»PsCfC¶B PïCḡPëB PePsPSC†PμPSC,CḡP°C†C-C— PeP°P»CHC†C-Cḡ 6 PjPḡ
 (24 PjPi/PrP») C†Pë PIPëC%Pμ Cr PïP»P°P·PjC- PeCḡPsPIC- PrPsCḡPsCfP»PëC... P°P±Ps 4 PjPḡ

(16 PjPi/PrP») C‡Pë PIPëC%Pµ Cr PïP»P°P·PjC- PeCḡPsPIC- PSpSIPsPSP°CḡPsPrP¶PµPSPëC....
P|Pµ PjPsP¶Pµ PIC-PrPsP±CḡP°P¶P°C,Pë CrC,PIPsCḡPµPSPSC¶
PïCḡPµC†PëPïC-C,P°C,C-PI PeP°P»CHC†C-C”PIPëC... CḡPsP»PµPNë
C†PµC,,C,CḡC-P°PeCḡPsPSCḡ.

PŸCrPjC-CḡPSPµ P·P°CḡC,PsCḡCḡPIP°PSPSC¶ PïCḡPµPïP°CḡP°C,Cḡ P·
PïPµCḡPsCḡP°P»CHBPSPëPjPë P°PSC,PëPePsP°PiCḡP»C¶PSC,P°PjPë PjPsP¶Pµ
PïPsCḡPëP»CḡPIP°C,Pë PµC,,PµPeC, PïCḡPsC,Pë PIC-C,P°PjC-PSCḡ Pḡ C,P° CḡPëP·PëPe
PeCḡPsPIPsC,PµC‡C-. P PµPePsPjPµPSPḡCḡC,CHCḡC¶ C‡P°CḡC,Ps PïPµCḡPµPIC-CḡC¶C,Pë
PjC-P¶PSP°CḡPsPrPSPµ PSpSCḡPjP°P»C-P·PsPIP°PSPµ CḡPïC-PIPIC-PrPSPsCëPµPSPSC¶ C,P°
PSP°P»PµP¶PSPëPj C‡PëPSPsPj PePsCḡPµPiCḡPIP°C,Pë PrPsP·Cḡ P°PSC,PëPIC-C,P°PjC-PSCḡ Pḡ
C¶Pe PïC-Pr C‡P°Cḡ, C,P°Pe C- PïC-CḡP»C¶ C,PµCḡP°PïC-C— C†PµC,,C,CḡC-P°PeCḡPsPSPsPj
(PrPëPI. CḡPsP·PrC-P» B«PµPsP±C-C‡PSC- CḡPµP°PeC†C-C—B»).

P†CḡPSCḡCḡC,CH CḡCḡPïPµCḡPµC‡P»PëPIC- PrP°PSC- C%PsPrPs
PïPsC,PµPSC†C-PNëPSPsPiPs PïPsCḡPëP»PµPSPSC¶ C,PsPeCḡPëC‡PSPsPiPs PIPïP»PëPICḡ
P°PjC-PSPsPiP»C-PePsP·PëPrC-PI PSP° PSPëCḡPePë PïCḡPë C—C...
P·P°CḡC,PsCḡCḡPIP°PSPSC- CḡP°P·PsPj C-P· C†PµC,,P°P»PsCḡPïPsCḡPëPSP°PjPë. Pj
C,P°PePëC... PIPëPïP°PrPeP°C... CḡP»C-Pr CḡPµC,PµP»CHBPSPs
PrPsC,CḡPëPjCḡPIP°C,PëCḡC¶ CḡPµPePsPjPµPSPḡC†C-PNë C%PsPrPs
PjPsPSC-C,PsCḡPëPSPiCḡ CḡC-PIPSC¶ P°PjC-PSPsPiP»C-PePsP·PëPrC-PI (C,P°
C,,CḡPSPeC†C-C— PSPëCḡPsPe) Cr PeP»C-PSC-C‡PSC-PNë PïCḡP°PeC,PëC†C-.

P|PµC,,C,CḡC-P°PeCḡPsPS PSPµ PjPsP¶PSP° P·PjC-CëCḡPIP°C,Pë P· P°PjCḡP°PeCḡPëPSPsPj,
PIP°PSPePsPjC-C†PëPSPsPj, C,,P»CHPePsPSP°P·PsP»PsPj C- P°PjC-PSPsPiP»C-PePsP·PëPrP°PjPë.

PµCḡPë PsPrPSPsC‡P°CḡPSPsPjCḡ P·P°CḡC,PsCḡCḡPIP°PSPSC- PIPëCḡPsPePëC... PrPsP·
C†PµC,,C,CḡC-P°PeCḡPsPSCḡ C- C,P°PePëC... CḡPëP»CHBPSPsPrC-CḡC‡PëC...
PrC-CḡCḡPµC,PëPeC-PI C¶Pe C,,CḡCḡPsCḡPµPjC-Pr PïPsCḡCḡCëPµPSCḡ
C,,CḡPSPeC†C-C— PSPëCḡPsPe PSPµ CḡPïPsCḡC,PµCḡC-PiP°P»PsCḡC¶.

PµC-CḡP»C¶ PIP¶PëPIP°PSPSC¶ P°P»PePsPiPsP»Cḡ PsPrCḡP°P·Cḡ PïC-CḡP»C¶
PïCḡPëPNëPsPjCḡ C†PµC,,C,CḡC-P°PeCḡPsPSCḡ PSPµ CḡPïPsCḡC,PµCḡC-PiP°P»PsCḡC¶
PµC,,PµPeC,C-PI, CḡC...PsP¶PëC... PSP° PrC-Cḡ PrPëCḡCḡP»CHC,,C-CḡP°PjCḡ
(C,PµC,CḡCḡP°PjCḡ).

P|PµC,,C,CḡC-P°PeCḡPsPS PSPµ PjC-CḡC,PëC,CH N-PjPµC,PëP»C,C-PsC,PµC,CḡP°P·PsP»CHBPSCḡ
PïCḡCḡPïCḡ, C¶PeP° P± PjPsPiP»P° CḡPïCḡPëC‡PëPSPëC,Pë
PSPµPïPµCḡPµPSPsCḡPëPjC-CḡC,CH PµC,P°PSPsP»Cḡ, P° C,P°PePsP¶ PeCḡPsPIPsC,PµC‡C-,
PIP»P°CḡC,PëPIC- PrPµC¶PePëPj C-PSCëPëPj C†PµC,,P°P»PsCḡPïPsCḡPëPSP°Pj.

Pj PrPsCḡP»C-PrP¶PµPSPSC- *in vitro* PïCḡPë P·P°CḡC,PsCḡCḡPIP°PSPSC-
C...P»PsCḡP°PjC,,PµPSC-PePsP»Cḡ Cḡ PePsPjP±C-PSP°C†C-C— P·
C†PµC,,C,CḡC-P°PeCḡPsPSPsPj CḡPïPsCḡC,PµCḡC-PiP°P»PëCḡC¶
P°PSC,P°PiPsPSC-CḡC,PëC‡PSC- PµC,,PµPeC,Pë. PḡP»C-PSC-C‡PSP°
P·PSP°C‡CḡC-CḡC,CH C†PëC... PrP°PSPëC... PSPµPIC-PrPsPjP°.

PḡPµPjP°C” PïPsPIC-PrPsPjP»PµPSCḡ PïCḡPs PIP·P°C”PjPsPrC-Cḡ PjC-P¶
C†PµC,,C,CḡC-P°PeCḡPsPSPsPj C,P° PïCḡPsPrCḡPeC,P°PjPë PrP»C¶
PïPµCḡPsCḡP°P»CHBPSPsPiPs PïCḡPëPNëPsPjCḡ, C¶PeC- PjC-CḡC,C¶C,CH

Pe°P»CHC†C-PN₂, C,P° PIP·P°C”PjPsPrC-CH PjC-P¶ C†PμC,,C,CHC-P°PeC†PsPSPsPj
PīCḡPē PIPSCrC,CHC-C€PSCḢPsPjḂḤ™ C¶P·PsPIC-PN₂ C-PSḂḤ™ C”PeC†C-C— C-
PīCḡPsPrCrPeC,P°PjPē, C¶PeC- PjC-C†C,C¶C,CH Pe°P»CHC†C-PN₂
(PIPSCrC,CHC-C€PSCḢPsPIPμPSPSPs P°P±Ps PīPμCHPsCHP°P»CHPSPs).

PJ PīP°C†C-C”PSC,C-PI, C¶PeC- P·P°C†C,PsC†PsPICrCHC,CH
C†PμC,,C,CHC-P°PeC†PsPS, PjPsP¶P»PēPIC- C...PēP±PSPs PīPsP·PēC,PēPIPSC-
CHPμP·CrP»CHC,P°C,Pē C,PμC†C,Cr PḢCrPjP±C†P°.

PīPμC,,C,CHC-P°PeC†PsPS, C¶Pe C- C-PSC€C- P°PSC,PēP±C-PsC,PēPePē, PjPsP¶Pμ
C†PīCḡPēC†PēPSC¶C,Pē C...PēP±PSPs PīPsP·PēC,PēPIPSC- CHPμP·CrP»CHC,P°C,Pē
P°PSP°P»C-P·Cr PSP° PīP°P»P°PeC,PsP·PμPjC-CH.

PμPsPrC-P±PSPēPj C†PēPSPsPj, PīCḡPē PIPēP·PSP°C†PμPSPSC- PīP»CHPePsP·Pē Cr
C†PμC†C- P·P° PrPsPīPsPjPsPīPsCH PSPμC,,PμCHPjPμPSC,PSPēC... PjPμC,PsPrC-PI
CHPμP·CrP»CHC,P°C,Pē PjPsP¶CrC,CH P±CrC,Pē C...PēP±PSPs PīPsP·PēC,PēPIPSPēPjPē.
P— C†C-C”C— PīCḡPēC†PēPSPē Cr PīPμCHC-PsPr P·P°C†C,PsC†CrPIP°PSPSC¶
C†PμC,,C,CHC-P°PeC†PsPSCr C†P»C-Pr PIPēP·PSP°C†P°C,Pē CHC-PIPμPSCḢ
PīP»CHPePsP·Pē Cr C†PμC†C- P·P° PrPsPīPsPjPsPīPsCH C,,PμCHPjPμPSC,PSPēC...
PjPμC,PsPrC-PI.

P°P°PeC,PμCHC-PsC†C,P°C,PēC†PSC- P·P°C†PsP±Pē PjPsP¶CrC,CH PIPiP»PēPIP°C,Pē PSP°
P±P°PeC,PμCHPēC†PēPrPSCr PrC-CH C†PμC,,P°P»PsC†PīPsCHPēPSC-PI.

PīPμC,,C,CHC-P°PeC†PsPS PjPsP¶Pμ P·PjPμPSC€CrPIP°C,Pē PμC,,PμPeC,PēPIPSC-C†C,CH
PīPsCHPjPsPSP°P»CHPSPēC... PīPμCHPsCHP°P»CHPSPēC... PePsPSC,CHP°C†PμPīC,PēPIC-PI. PJ
P·PīḂḤ™ C¶P·PeCr P· C†PēPj CHPμPePsPjPμPSPrCrC”C,CHC†C¶C P·P°C†C,PsC†PsPICrPIP°C,Pē
PrPsPrP°C,PePsPIC- (PSPμPīPsCHPjPsPSP°P»CHPSC-) PjPμC,PsPrPē
PePsPSC,CHP°C†PμPīC†C-C— PīC-Pr C†P°C† P»C-PeCrPIP°PSPSC¶ C,P° PīCḡPsC,C¶PīPsPj 1
PjC-C†C¶C†C¶ PīC-C†P»C¶ P»C-PeCrPIP°PSPSC¶.

PμCHPsP±PμPSPμC†PēPr PSPμ PIPiP»PēPIP°C” PSP° PIPēPIPμPrPμPSPSC¶
C†PμC,,C,CHC-P°PeC†PsPSCr.

PḡP»PePsPīPsP»CH. PμCHPē PIP¶PēPIP°PSPSC- P°P»PePsPīPsP»CH PīC-Pr C†P°C† PeCrCHC†Cr
P»C-PeCrPIP°PSPSC¶ C,P° PīCḡPsC,C¶PīPsPj 5 PrPSC-PI PīC-C†P»C¶ P»C-PeCrPIP°PSPSC¶
C†PμC,,PsPīPμCHP°P·PsPSPsPj PIC-PrP·PSP°C†P°P»Pē C,P°PeC- CHPμP°PeC†C-C— C¶Pe
PīPsC†PμCHPIPsPSC-PSPSC¶ PsP±P»PēC†C†C¶, PīC-PrPIPēC%PμPSCr PīC-C,P»PēPIC-C†C,CH,
PīPsP»PsPIPSPēPN₂ P±C-P»CH, C,P°C...C-PeP°CHPrC-CH. PḡPSP°P»PsPīC-C†PSC-
CHPμP°PeC†C-C— C†PīPsC†C,PμCHC-PiP°P»PēC†CH C- PīCḡPē P·P°C†C,PsC†CrPIP°PSPSC-
C-PSC€PēC... C†PμC,,P°P»PsC†PīPsCHPēPSC-PI. PμP°C†C-C”PSC,P°Pj C†P»C-Pr P±CrC,Pē
PsP±PμCHPμP¶PSPēPjPē PīCḡPē PIP¶PēPIP°PSPSC- P°P»PePsPīPsP»CHPSPēC... PSP°PīPsC—PI
PīC-Pr C†P°C† P»C-PeCrPIP°PSPSC¶ PḡCrP»C-PeC†PsPSPsPj. PμCHPē
PIPēPePsCHPēC†C,P°PSPSC- C€C,CrC†PSPsPīPs C...P°CHC†CrPIP°PSPSC¶
(PīPμCHPsCHP°P»CHPSPsPīPs P°P±Ps PīP°CHPμPSC,P°P»CHPSPsPīPs) CHPsP·C†PēPSPē, C%Ps
PjC-C†C,C¶C,CH PμC,P°PSPsP», P·P°C†C,PsC†PsPICrPIP°C,Pē PSPμ C†P»C-Pr.

PḡC†PsP±P»PēPIPsC†C,C- P·P°C†C,PsC†CzPIP°PSPSC¶.

P°PSC, PēP±P°PeC, PμCḡC-P°P»CH̄PSPēC... PīCḡPμPīP°CḡP°C, C-PI, Cṛ C, PsPjCṛ C‡PēCḡP»C- C-
 C†PμC,, C, CḡC-P°PeCḡPsPSCṛ C, P° CḡCṛP»CH̄P±P°PeC, P°PjCṛ, PjPsP¶P»PēPIPμ
 PIPēPSPēPePSPμPSPSCḡ PrC-P°CḡPμC—, P°CḡPsC†C-PN̄PsPIP°PSPsC— P· *Clostridium difficile*,
 PIC-Pr P»PμPiPePsPiPs CḡC, CṛPīPμPSCḡB PrPs PePsP»C-C, Cṛ P· P»PμC, P°P»CH̄PSPēPj
 PSP°CḡP»C-PrPePsPj. Ph̄PSC, PēP±P°PeC, PμCḡC-P°P»CH̄PSC- PīCḡPμPīP°CḡP°C, Pē
 P·PjC-PSCḡCḡC, CH̄ PSPsCḡPjP°P»CH̄PSCṛ C,, P»PsCḡCṛ C, PsPICḡC, PsPiPs
 PePēC€PμC‡PSPēPeCṛ, C%Ps PīCḡPēP·PIP sPrPēC, CH̄ PrPs PSP°PrPjC-CḡPSPsPiPs CḡPsCḡC, Cṛ
Clostridium difficile. *Clostridium difficile* PīCḡPsPrCṛPeCṛC” C, PsPeCḡPēPSPē Ph̄ C, P° P’, C%Ps
 CḡPīCḡPēCḡCḡC, CH̄ CḡPsP·PIPēC, PeCṛ PrC-P°CḡPμC—, P°CḡPsC†C-PN̄PsPIP°PSPsC— P·
Clostridium difficile. PēC, P°PjPē *Clostridium difficile*, CḡPeC- PSP°PrPjC-CḡPSPs
 PīCḡPsPrCṛPeCṛCḡC, CH̄ C, PsPeCḡPēPSPē, CḡPīCḡPēC‡PēPSCḡCḡC, CH̄ PīC-PrPIPēC%PμPSCṛ
 P·P°C...PIP sCḡCḡPIP°PSC-CḡC, CH̄ C, P° P»PμC, P°P»CH̄PSC-CḡC, CH̄, PsCḡPeC-P»CH̄PePē C†C-
 C-PSC,, PμPeC†C-C— PjPsP¶CṛC, CH̄ P±CṛC, Pē CḡPμP·PēCḡC, PμPSC, PSPēPjPē PrPs
 P°PSC, PēPjC-PeCḡPsP±PSPēC... P·P°CḡPsP±C-PI C, P° PīPsC, CḡPμP±CṛPIP°C, Pē
 PePsP»PμPeC, PsPjC-C—. P”C-P°CḡPμCḡ, P°CḡPsC†C-PN̄PsPIP°PSCṛ P· *Clostridium difficile*,
 PSPμPsP±C...C-PrPSPs PIPēPeP»CḡC‡PēC, Pē Cṛ PICḡC-C... PīP°C†C-C”PSC, C-PI PīC-Pr C‡P°Cḡ
 P·P°CḡC, PsCḡCṛPIP°PSPSCḡ P°PSC, PēP±C-PsC, PēPeC-PI. PkPμPsP±C...C-PrPSPs
 P·C-P±CḡP°C, Pē PrPμC, P°P»CH̄PSPēPN̄ PjPμPrPēC‡PSPēPN̄ P°PSP°PjPSPμP·,
 PsCḡPeC-P»CH̄PePē PrC-P°CḡPμCḡ, P°CḡPsC†C-PN̄PsPIP°PSP° P· *Clostridium difficile*, PjPsP¶Pμ
 PIPēPSPēPeP°C, Pē PīCḡPsC, CḡPiPsPj B B B B B B B 2 PjC-CḡCḡC†C-PI PīC-CḡP»Cḡ
 P·P°PeC-PSC‡PμPSPSCḡ P·P°CḡC, PsCḡCṛPIP°PSPSCḡ P°PSC, PēP±P°PeC, PμCḡC-P°P»CH̄PSPēC...
 P·P°CḡPsP±C-PI.

PμCḡPē PīC-PrPsP·CḡC- C‡Pē PīC-PrC, PIPμCḡPrP¶PμPSPSC- PrC-P°CḡPμC—,
 P°CḡPsC†C-PN̄PsPIP°PSPsC— P· *Clostridium difficile*, *PSPμPsP±C...C-PrPSPs*
PIC-PrPjC-PSPēC, Pē P°PSC, PēP±C-PsC, PēPePsC, PμCḡP°PīC-Cḡ, CḡPeP° PSPμ
PIPīP»PēPIP°C” PSP° Clostridium difficile.

P’PIP°P¶P»PēPIP s PICḡP°C...PsPICṛPIP°C, Pē PjPsP¶P»PēPIC-CḡC, CH̄ C, P°PePsPiPs
 PrC-P°PiPSPsP·Cṛ Cṛ PīP°C†C-C”PSC, C-PI, Cṛ CḡPePēC... PīC-Pr C‡P°Cḡ P°P±Ps PīC-CḡP»Cḡ
 P·P°CḡC, PsCḡCṛPIP°PSPSCḡ C†PμC,, C, CḡPēP°PeCḡPsPSCṛ PIPēPSPēPeP»P° PrC-P°CḡPμCḡ
 (PrPēPI. CḡPsP·PrC-P» B«PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—B»). PŸP»C-Pr
 PsP±PjC-CḡPeCṛPIP°C, Pē PīCḡPēPīPēPSPμPSPSCḡ C, PμCḡP°PīC-C—
 C†PμC,, C, CḡPēP°PeCḡPsPSPsPj C, P° P·P°CḡC, PsCḡCṛPIP°PSPSCḡ PIC-PrPīPsPIC-PrPSPēC...
 P·P°CḡPsP±C-PI PīCḡPsC, Pē *Clostridium difficile*. P·C-PeP°CḡCḡCH̄PeC- P·P°CḡPsP±Pē, C%Ps
 PīCḡPēPiPSC-C‡CṛCḡC, CH̄ PīPμCḡPēCḡC, P°P»CH̄C, PēPeCṛ, P·P°CḡC, PsCḡPsPICṛPIP°C, Pē PSPμ
 CḡP»C-Pr.

P—P° PeP»C-PSC-C‡PSPēPjPē PīPsPeP°P·P°PSPSCḡPjPē CḡP»C-Pr PīCḡPēP·PSP°C‡PēC, Pē
 PIC-PrPīPsPIC-PrPSCṛ PeC-P»CH̄PeC-CḡC, CH̄ CḡC-PrPēPSPē C, P° PμP»PμPeC, CḡPsP»C-C, C-PI,
 P±C-P»PePsPIPēC... PrPsP±P°PIPsPe, P°PSC, PēP±C-PsC, PēPePsC, PμCḡP°PīC-Cḡ, PrPs
 CḡPePsC— C‡CṛC, P»PēPIP° *Clostridium difficile* C, P° C...C-CḡCṛCḡPiC-C‡PSPμ
 PsP±CḡC, PμP¶PμPSPSCḡ.

PμCḡPsC, CḡPiPsPj C, CḡPēPIP°P»PsPiPs P·P°CḡC, PsCḡCṛPIP°PSPSCḡ
 C†PμC,, C, CḡC-P°PeCḡPsPSCṛ PjPsP¶P»PēPIC- C, CḡCṛPrPSPsC%C- Cṛ
 PePsPSC, CḡPsP»CḡPIP°PSPSC- PSPμC‡CṛC, P»PēPIPēC... PrPs PīCḡPμPīP°CḡP°C, Cṛ
 PjC-PeCḡPsPsCḡPiP°PSC-P·PjC-PI. Pj P·PiBḡ™ CḡP·PeCṛ P· C†PēPj PSPμPsP±C...C-PrPSPēPN̄
 CḡPμC, PμP»CH̄PSPēPN̄ PSP°PiP»CḡPr P·P° PīP°C†C-C”PSC, P°PjPē. PμCḡPē
 PIPēPSPēPePSPμPSPSC- CḡCṛPiPμCḡC-PSC,, PμPeC†C-C— PSPμPsP±C...C-PrPSPs PIP¶PēC, Pē
 PIC-PrPīPsPIC-PrPSC- P·P°C...PsPrPē.

P-PsPIC#PsPeP°Pjβ₇™ CΠPSP° C...PIPsC₇PsP±P°.

P₄C-CΓP»CΠ P·P°CΓC,PsCΓCΓPIP°PSPSCΠ PiC₇PμPiP°C₇P°C,Cr P·P°P·PIPëC#P°PN₂ Cr
PrPsP·P°C..., C%₀Ps PiPμC₇PμPIPëC%₀CΓC₇C,CH CΓC,P°PSPPrP°C₇C,PSC-
C₇PμPePsPjPμPSPPrPsPIP°PSC-, PiC₇Pë CrP»CHC,C₇P°P·PICrPePsPIPsPjCr
PrPsCΓP»C-PrPΠPμPSC- PΠPsPIC#PSPSiPs PjC-C...CΓC₇P° PjPsPΠCΓC,CH
CΓPiPsCΓC,PμC₇C-PiP°C,PëCΓCΠ C,C-PSC-, C%₀Ps PiPsPjPëP»PePsPIPs
CΓPiC₇PëPN₂PjP°C₇C,CHCΓCΠ P·P° PeP°PjPμPSC-. PiPμ PiC₇PμC†PëPiC-C,P°C,Pë
PeP°P»CHC†C-C"PIPsC— CΓPsP»C- C†PμC,,C,C₇C-P°PeCΓPsPSCr, C%₀Ps P·PSPëPeP°C₇C,CH
PiC-CΓP»CΠ P·P°PIPμC₇C€PμPSPSCΠ P°P±Ps PiC₇PëPiPëPSPμPSPSCΠ C,PμC₇P°PiC-C—
C†PμC,,C,C₇C-P°PeCΓPsPSPSj.

P—P°C,C-PSPμPSPSCΠ, C%₀Ps PiPsPjPëP»PePsPIPs PIPIP°PΠP°P»PëCΓCΠ PΠPsPIC#PSPëPjPë
PeP°PjPμPSCΠPjPë, CΓPiPsCΓC,PμC₇C-PiP°P»PëCΓCΠ PSP° CΓPsPSPSiC₇P°PjP°C...
PΠPsPIC#PSPSiPs PjC-C...CΓC₇P°, C- C†P°CΓC,PsC,P° C—C... PIPëPSPëPePSPμPSPSCΠ
P·C₇PsCΓC,P°P»P° PiC₇Pë P·P°CΓC,PsCΓCΓPIP°PSPSC- C†PμC,,C,C₇PëP°PeCΓPsPSCr Cr PrPsP·C-
1 Pi/PrPsP±Cr C,P° PIPëC%₀Pμ. PhCΓPsP±P»PëPIPsC— PsP±PμC₇PμPΠPSPsCΓC,C- CΓP»C-Pr
PrPsC,C₇PëPjCrPIP°C,PëCΓCΠ PiC₇Pë P·P°CΓC,PsCΓCΓPIP°PSPSC- PiC₇PμPiP°C₇P°C,Cr
PrC-C,CΠPj. PÿP°PeC- PiC₇PμC†PëPiC-C,P°C,Pë P·PSPëPeP°C₇C,CH PiC-CΓP»CΠ
PiC₇PëPiPëPSPμPSPSCΠ C,PμC₇P°PiC-C— C†PμC,,C,C₇PëP°PeCΓPsPSPSj. Pj
C₇C-PrPeC-CΓPSPëC... PIPëPiP°PrPeP°C... CΓC,PIPsC₇PμPSPSCΠ PiC₇PμC†PëPiC-C,P°C,C-PI
PeP°P»CHC†C-C"PIPsC— CΓPsP»C- C†PμC,,C,C₇C-P°PeCΓPsPSCr
CΓCΓPiC₇PsPIPsPrPΠCΓPIP°P»PsCΓCΠ CΓPëPjPiC,PsPjP°C,PëPePsC₇. PμPsPrC-P±PSC-
P·PjC-PSPë C₇C-PrPePs CΓCΓPiC₇PsPIPsPrPΠCΓC₇C,CHCΓCΠ P±CrPrCH-CΠPePsC₇
CΓPëPjPiC,PsPjP°C,PëPePsC₇. PhP»Pμ C- PI C,P°PePëC... PIPëPiP°PrPeP°C...
C₇PμPePsPjPμPSPPrCΓC,C,CHCΓCΠ P»PëC€Pμ PePsPSCΓPμC₇PIP°C,PëPIPSμ
P»C-PeCΓPIP°PSPSCΠ. PiPeC%₀Ps C†C- CΠPIPëC%₀P° CΓCΓPiC₇PsPIPsPrPΠCΓC₇C,CHCΓCΠ
PeP»C-PSC-C†PSPsC₇ CΓPëPjPiC,PsPjP°C,PëPePsC₇, C,Ps C₇C-C€PμPSPSCΠ PiC₇Ps
PIC-PrPjC-PSCr PiC₇PμPiP°C₇P°C,Cr PiC₇PëPN₂PjP°C" P»C-PeP°C₇.Pj C₇P°P·C-
PSP°CΠIPSPsCΓC,C- CΓPëPjPiC,PsPjC-PI C₇PμPePsPjPμPSPPrCΓC,C,CHCΓCΠ
PePsPSCΓPμC₇PIP°C,PëPIPSμ PSPμC...C-C₇CΓC₇PiC-C†PSPμ P»C-PeCΓPIP°PSPSCΠ, C-
P»C-PeP°C₇ PjP°C" PiC₇PëPN₂PSCΠC,Pë C₇C-C€PμPSPSCΠ PiC₇Ps PiC₇PëPiPëPSPμPSPSCΠ
P·P°CΓC,PsCΓCΓPIP°PSPSCΠ PiC₇PμPiP°C₇P°C,Cr, CΓPiPëC₇P°C₇C†PëCΓCH PSP°
C₇PμP·CrP»CHC,P°C,Pë PsC†C-PSPePë PePsC₇PëCΓC,C--C₇PëP·PëPeCr
PePsPSPeC₇PμC,PSPSiPs PIPëPiP°PrPeCr (PrPëPI. C₇PsP·PrC-P» B«PμPsP±C-C†PSC-
C₇PμP°PeC†C-C—B»).

P-PsPIC#PSPëPN₂ CΓC,P°P·.

Pj C...PIPsC₇PëC..., CΠPePëPj PIPiPsPrPëP»Pë C†PμC,,C,C₇C-P°PeCΓPsPS, PsPiPëCΓP°PSC-
PiPsPsPrPëPSPsPeC- PIPëPiP°PrPePë PiP°PSPeC₇PμP°C,PëC,Cr, C%₀Ps C₇PsP·PIPëPSCrPICΓCΠ,
PjPsPΠP»PëPIPs, PIPSP°CΓP»C-PrPsPe PsP±CΓC,C₇CrPeC†C-C— PΠPsPIC#PsPIPëPIC-PrPSPëC...
C€P»CΠC...C-PI. P'·C-P»CHC€C-CΓC,CH C-P· C,P°PePëC... PiP°C†C-C"PSC,C-PI PjP°P»Pë
C,,P°PeC,PsC₇Pë C₇PëP·PëPeCr P·P°CΓC,PsC₇ Cr PΠPsPIC#PsPIPëPIC-PrPSPëC...
C€P»CΠC...P°C..., PSP°PiC₇PëPeP»P°Pr P»C-PeCΓPIP°PSPSCΠ PI P°PSP°PjPSPμP·C-,
C₇PsP·PIPëC,PeCr C...PsP»PμCΓC,P°P·Cr C,P° CrC,PIPsC₇PμPSPSCΠ P±C-P»C-P°C₇PSPsPiPs
CΓP»P°PrPΠCr, C,P°PeC- CΠPe PiPsPiPμC₇PμPrPSCΠ P·PSP°C†PSP° C,PμC₇P°PiC-CΠ,
C,CΠPΠPeP° C...PIPsC₇PsP±P° C,P° PiPsPIPSμ PiP°C₇PμPSC,PμC₇P°P»CHPSPμ
C...P°C₇C†CΓPIP°PSPSCΠ. PkPμ PjPsPΠPSP° PIPëPeP»C₇C†P°C,Pë, C%₀Ps

C-PSC-C†C-CĤCĤC†PëPj P°P±Ps PrPsPrP°C,PePsPIPëPj C,,P°PeC,PsCĤPsPj CĤPsP·PIPëC,PeCř
C†CĤPsPiPs PiPsCĤCřC€PμPSPSCĬ PjPsP¶Pμ P±CřC,Pë CřC,PIPsCĤPμPSPSCĬ Cř
P¶PsPIC†PSPëC... C€P»CĬC...P°C... PiCĤPμC†PëPiC-C,P°C,C-PI PIPSP°CĬP»C-PrPsPe
P·P°CĬC,PsCĬCřPIP°PSPSCĬ C†PμC,,C,CĤC-P°PeCĬPsPSCř/CĬCřP»CĤP±P°PeC,P°PjCř. PμCĤPë
C†CĤPsPjCř PSPμ PjPsP¶PSP° PIPëPeP»CĤC†P°C,Pë CĤPsP»CĤ PiCĤPμC†PëPiC-C,P°C,C-PI Cř
CĤPsP·PIPëC,PeCř PiP°PSPeCĤPμP°C,PëC,Cř, C%Ps CřC,PIPsCĤPëP»PëCĬCĬ PiC-Pr PrC-C”CĤ
PÿCřP»C-PeCĬPsPSCř PI P¶PsPIC†PsPIPëPIC-PrPSPëC... C€P»CĬC...P°C....

PkPëCĤPePsIPsPeP°PjPëĤ™ CĬPSP° C...PIPSCĤPsP±P°.

P—P°CĤPμC”CĬC,CĤPsPIP°PSC- PIPëPiP°PrPePë CřC,PIPsCĤPμPSPSCĬ PSPëCĤPePsPIPëC...
PeP°PjPμPSC-PI, C%Ps P·PSPëPeP°P»Pë PiC-CĬP»CĬ PiCĤPëPiPëPSPμPSPSCĬ
P·P°CĬC,PsCĬCřPIP°PSPSCĬ C†PμC,,C,CĤC-P°PeCĬPsPSCř (PrPëPI. CĤPsP·PrC-P»
B«PμPsP±C-C†PSC- CĤPμP°PeC†C-C—B»). PJ PIPëPiP°PrPeCř PSP°CĬPIPSPsCĬC,C-
CĬPëPjPiC,PsPjC-PI CĬP»C-Pr P·CĤPsP±PëC,Pë CřP»CĤC,CĤP°P·PICřPePsPIPμ
PsP±CĬC,PμP¶PμPSPSCĬ. P C-C€PμPSPSCĬ C%PsPrPs P·P°CĬC,PsCĬCřPIP°PSPSCĬ
PiCĤPμPiP°CĤP°C,Cř PiP°C†C-C”PSC,P°Pj C-P· PSP°CĬPIPSC-CĬC,CĤ PI P°PSP°PjPSPμP·C-
PSPëCĤPePsPIPëC... PeP°PjPμPSC-PI P°P±Ps PiC-PiPμCĤPeP°P»CĤC†C-CřCĤC-C—
PiCĤPëPμPjP°C” P»C-PeP°CĤ, CĬPiPëCĤP°CĤC†PëCĬCĤ PSP° CĤPμP·CřP»CĤC,P°C,Pë
PsC†C-PSPePë PePsCĤPëCĬC,C--CĤPëP·PëPeCř PePsPSPeCĤPμC,PSPsPiPs PIPëPiP°PrPeCř.

P†PjCřPSPsPiPsCĬPμCĤPμPrPePsPIP°PSP° PiPμPjPsP»C-C,PëC†PSP° P°PSPμPjC-CĬ
CĬPiPsCĬC,PμCĤC-PiP°P»P°CĬCĤ Cř PiP°C†C-C”PSC,C-PI, CĬPeC- PsC,CĤPëPjCřPIP°P»Pë
C†PμC,,P°P»PsCĬPiPsCĤPëPSPë, Cř C,PsPjCř C†PëCĬP»C- C†PμC,,C,CĤC-P°PeCĬPsPS.
PμPsPIC-PrPsPjP»CĬP»Pë PiCĤPs PIPëPiP°PrPePë C,CĬP¶PePsC—
PiPμPjPsP»C-C,PëC†PSPsC— P°PSPμPjC-C—, Cř C,PsPjCř C†PëCĬP»C-
P»PμC,P°P»CĤPSC-, Cř PrPsCĤPsCĬP»PëC... C,P° PrC-C,PμPμ. PμCĤPë
CĤPsP·PIPëC,PeCř P°PSPμPjC-C— PiC-Pr C†P°CĬ P·P°CĬC,PsCĬCřPIP°PSPSCĬ
C†PμC,,C,CĤC-P°PeCĬPsPSCř PSPμPsP±C...C-PrPSPs PIPëPeP»CĤC†PëC,Pë
P°PSPμPjC-CĤ, CĬPiCĤPëC†PëPSPμPSCř C†PμC,,C,CĤC-P°PeCĬPsPSPsPj, C,P°
PIC-PrPjC-PSPëC,Pë PiCĤPμPiP°CĤP°C, PrPs PICĬC,P°PSPsPIP»PμPSPSCĬ
PμC,C-PsP»PsPiC-C— P°PSPμPjC-C—.

PμC-Pr C†P°CĬ C,CĤPëPIP°P»PsPiPs P»C-PeCřPIP°PSPSCĬ CĬP»C-Pr CĤPμPiCřP»CĬCĤPSPs
PePsPSC,CĤPsP»CĤPIP°C,Pë PeP°CĤC,PëPSCř PeCĤPsPIC-.

PiPμC,,C,CĤC-P°PeCĬPsPS PSPμ PjPsP¶PSP° P·PjC-C€CřPIP°C,Pë C†Pë PiCĤPëP·PSP°C†P°C,Pë
PsPrPSPsC†P°CĬPSPs P· PeP°P»CĤC†C-PμPIPjC-CĬPSPëPjPë CĤPsP·C†PëPSP°PjPë,
PSP°PIC-C,CĤ PiCĤPë PIPIPμPrPμPSPSC- PiCĤPμPiP°CĤP°C,C-PI C†PμCĤPμP· CĤC-P·PSC-
C-PSC,,CřP·C-PμPSC- CĬPëCĬC,PμPjPë. PhPiPëCĬP°PSC- PIPëPiP°PrPePë
PIPëPSPëPePSPμPSPSCĬ PiCĤPμC†PëPiC-C,P°C,C-PI Cř P»PμPiPμPSCĬC... C,P° PSPëCĤPeP°C...
PSPsPiPsPSP°CĤPsPrP¶PμPSPëC... C,P° PSPμPrPsPSPsC€PμPSPëC... PrC-C,PμPμ, C%Ps
CĬPiCĤPëC†PëPSPëP»Ps P»PμC,P°P»CĤPSC- PSP°CĬP»C-PrPePë PiCĤPë
PsPrPSPsC†P°CĬPSPsPjCř PIPIPμPrPμPSPSC- C†PμC,,C,CĤC-P°PeCĬPsPSCř C,P°
PiCĤPμPiP°CĤP°C,C-PI PeP°P»CĤC†C-CĤ. PÿP°PePsP¶ PiPsPIC-PrPsPjP»CĬP»Pë PiCĤPs
PIPëPiP°PrPePë PIPëPSPëPePSPμPSPSCĬ PIPSCřC,CĤC-C€PSCĤPsCĬCřPrPëPSPSPëC...
PiCĤPμC†PëPiC-C,P°C,C-PI Cř PiP°C†C-C”PSC,C-PI C-PSC€PëC... PIC-PePsPIPëC... PiCĤCřPi
PiC-CĬP»CĬ PsPrPSPsC†P°CĬPSPsPiPs P·P°CĬC,PsCĬCřPIP°PSPSCĬ
C†PμC,,C,CĤC-P°PeCĬPsPSCř P· PIPSCřC,CĤC-C€PSCĤPsPIPμPSPSPëPjPë
PeP°P»CĤC†C-PμPIPjC-CĬPSPëPjPë CĤPsP·C†PëPSP°PjPë. PJ P·PiBĤ™ CĬP·PeCř P· C†PëPj PSPμ
PjPsP¶PSP° P·P°CĬC,PsCĬPsPICřPIP°C,Pë PeP°P»CĤC†C-PμPIPjC-CĬPSC- CĤPsP·C†PëPSPë

PrP»CΠ PIPSCrC,C7C-C€PSCbPsPIPμPSPSPsPiPs PIPIPμPrPμPSPSCΠ
PSPsPIPsPSP°C7PsPrP¶PμPSPëPj C,P° PïP°C†C-C"PS C,P°Pj C-PSC€PëC... PIC-PePsPIPëC...
PiC7CfPi C%oPsPSP°PNëPjPμPSC€Pμ PïC7PsC,CΠPiPsPj 48 PiPsPrPëPS PïC-C†P»CΠ
PIPIPμPrPμPSPSCΠ PsC†C,P°PSPSCbPsC— PrPsP·Pë PÿCfP»C-PeC†PsPSB (PrPëPI.
C7PsP·PrC-P» B«PμC7PsC,PëPiPsPeP°P·P°PSPSCΠB»).

P" C-C,Pë.

PiPμC,,C,C7C-P°PeC†PsPS, C%oPs PIC...PsPrPëC,Cb PrPs C†PeP»P°PrCf PïC7PμPïP°C7P°C,Cf,
PjPsP¶Pμ PIPëC,C-C†PSCΠC,Pë P±C-P»C-C7CfP±C-PS P·C- P·PIb7™ CΠP·PeCf P·
P°P»C7P±C†PjC-PSPsPj C†PëC7PsPIP°C,PePë PeC7PsPIC-. Pj P·PIb7™ CΠP·PeCf P· C†PëPj
P·P°C†C,PsC†CfPIP°PSPSCΠ C†PμC,,C,C7C-P°PeC†PsPSCr PïC7PsC,PëPiPsPeP°P·P°PSPs
PSPμPrPsPSPsC€PμPSPëPj C,P° PrPsPSPsC€PμPSPëPj PSPsPIPsPSP°C7PsPrP¶PμPSPëPj P·
PiC-PïPμC7P±C-P»C-C7CfP±C-PSPμPjC-C"CH, CΠPePëPj P·P°PiC7PsP¶CfC" C7PëP·PëPe
C7PsP·PIPëC,PeCf P±C-P»C-C7CfP±C-PSPsPIPsC— PμPSC†PμC,,P°P»PsPïP°C,C-C— (PrPëPI.
C7PsP·PrC-P» B«PμC7PsC,PëPiPsPeP°P·P°PSPSCΠB»).

PÿCΠP¶PeP° PSPëC7PePsPIP° C,P° PïPμC†C-PSPePsPIP° PSPμPrPsC†C,P°C,PSC-C†C,Cb.

Pj PIPëPiP°PrPeCf C,CΠP¶PePsC— PSPëC7PePsPIPsC— C,P° PïPμC†C-PSPePsPIPsC—
PSPμPrPsC†C,P°C,PSPsC†C,C- C7PμPePsPjPμPSPrPsPIP°PSPëPNë C7PμC,PμP»C7PSPëPNë
PeP»C-PSC-C†PSPëPNë PjPsPSC-C,PsC7PëPSPi P±PμP·PïPμPePë C,P° PμC,,PμPeC,PëPIPsPsC†C,C-
PïC7PμPïP°C7P°C,Cf (PrPëPI. C7PsP·PrC-P» B«PÿPiPsC†C-P± P·P°C†C,PsC†CfPIP°PSPSCΠ C,P°
PrPsP·PëB»).

Pj C...PIPsC7PëC... C-P· PïPsC7CfC€PμPSPsC7 C,,CfPSPeC†C-C"CH PSPëC7PsPe, P·P°
CfPjPsPIPë PSPsC7PjP°P»C7PSPsC— C,,CfPSPeC†C-C— PïPμC†C-PSPePë, PrPsP·Cf
C†PμC,,C,C7C-P°PeC†PsPSCr/C†CfP»C7P±P°PeC,P°PjCf P·PjPμPSC€CfPIP°C,Pë PSPμ
PïPsC,C7C-P±PSPs. PμC7Pë PSPμPrPsC†C,P°C,PSPsC†C,C- PSPëC7PsPe (PeP»C-C7PμPSC†
PeC7PμP°C,PëPSC-PSCr PSPëP¶C†Pμ 10 PjP»/C...PI) PSPμPsP±C...C-PrPSPs, C%oPsP±
PrPsP±PsPIP° PrPsP·P° C†PμC,,C,C7C-P°PeC†PsPSCr PSPμ PïPμC7PμPIPëC%oCfPIP°P»P° B B B 2
Pi.

Pj C...PIPsC7PëC... C-P· PïPsC7CfC€PμPSPsC7 C,,CfPSPeC†C-C"CH PïPμC†C-PSPePë, P·P°
CfPjPsPIPë P·P±PμC7PμP¶PμPSPSCΠ C,,CfPSPeC†C-C— PSPëC7PsPe, PrPsP·Cf
C†PμC,,C,C7C-P°PeC†PsPSCr/C†CfP»C7P±P°PeC,P°PjCf P·PjPμPSC€CfPIP°C,Pë PSPμPjP°C"
PSPμPsP±C...C-PrPSPsC†C,C-.

Pj PIPëPiP°PrPeP°C... PsPrPSPsC†P°C†PSPsC— PSP°CΠPIPsC†C,C- C,CΠP¶PePsC—
PïP°C,PsP»PsPiC-C— PïPμC†C-PSPePë C- PSPëC7PsPe PePsPSC†PμPSC,C7P°C†C-C7
C†PμC,,C,C7C-P°PeC†PsPSCr Cf C†PëC7PsPIP°C,C†C- PeC7PsPIC- PSPμPsP±C...C-PrPSPs
C7PμPiCfP»CΠC7PSPs PePsPSC,C7PsP»C7PIP°C,Pë. Pj C...PIPsC7PëC..., CΠPeC-
PïPμC7PμP±CfPIP°C7C,Cb PSP° PiPμPjPsPrC-P°P»C-P·C-, PrPsP·Cf PïC7PμPïP°C7P°C,Cf
PïC-C†P»CΠ PïC7PsPIPμPrPμPSPSCΠ C†C-C"CH— PïC7PsC†PμPrCfC7Pë P·PjC-PSC7PIP°C,Pë
PSPμPjP°C" PSPμPsP±C...C-PrPSPsC†C,C-.

PÿP»C-Pr PïC7PsCΠPIP»CΠC,Pë PsP±PμC7PμP¶PSC-C†C,Cb PïC7Pë
P·P°C†C,PsC†CfPIP°PSPSC- C†PμC,,C,C7C-P°PeC†PsPSCr C...PIPsC7PëPj C-P·
PSPëC7PePsPIPsC7 PSPμPrPsC†C,P°C,PSC-C†C,C7, CΠPeC- PsPrPSPsC†P°C†PSPs
PsC,C7PëPjCfC7C,Cb P°PjC-PSPsPiP»C-PePsP·PëPrPë C,P° PrC-CfC7PμC,PëPePë.

PJ PiPsPsPrPëPSPsPePëC... PIPëPiP°PrPeP°C... PiCḡPë P»C-PeCíPIP°PSPSC-
PŷCíP»C-PeCíPSPSPsPj Cí C...PIPsCḡPëC... PjPsP¶CíC,CH PIC-PrPjC-C†P°C,PëCíC¶
C...PëP±PSPsPiPsP·PëC,PëPIPSC- CḡPµP·CíP»CHC,P°C,Pë PḡCíPjP±CíP°. PŷP°Pe C¶Pe C-
C-PSC€C- P°PSC,PëP±C-PsC,PëPePë, PŷCíP»C-PeCíPSPB PjPsP¶Pµ CíPiCḡPëC†PëPSC¶C,Pë
C...PëP±PSPsPiPsP·PëC,PëPIPSPëPNḡ CḡPµP·CíP»CHC,P°C, PiCḡPsP±Pë PSP°
PiP°P»P°PeC,PsP·PµPjC-Cḡ. PíPëP±PSPsPiPsP·PëC,PëPIPSC- CḡPµP·CíP»CHC,P°C,Pë
PjPsP¶CíC,CH P±CíC,Pë PsC,CḡPëPjP°PSC- C- PiCḡPë PIPëP·PSP°C†PµPSC- PiP»CḡPePsP·Pë Cí
CíPµC†C-, C,PsPjCí PiC-Pr C†P°Cí P»C-PeCíPIP°PSPSC¶ PŷCíP»C-PeCíPSPSPsPj
PiP»CḡPePsP·CíCḡC-Cḡ, Cí CḡP°P·C- PSPµPsP±C...C-PrPSPsCíC,C-, CíP»C-Pr
PIPëP·PSP°C†P°C,Pë P»PëC€Pµ C,,PµCḡPjPµPSC,PSPëPj PjPµC,PsPrPsPj.

PíPIPsCḡPëPj, C¶PeC- PiPµCḡPµP±CíPIP°CḡC,CH PSP° PiPµPjPsPrC-P°P»C-P·C-, PrPsP·Cí
PiCḡPµPiP°CḡP°C,Cí PiC-CíP»C¶ PiCḡPsPIPµPrPµPSPSC¶ C†C-C”C— PiCḡPsC†PµPrCíCḡPë
P·PjC-PSCḡPIP°C,Pë PSPµPjP°C” PSPµPsP±C...C-PrPSPsCíC,C-, PiCḡPsC,Pµ PiPsC,CḡC-P±PSPs
PePsPSC,CḡPsP»CḡPIP°C,Pë PePsPSC†PµPSC,CḡP°C†C-Cḡ PiCḡPµPiP°CḡP°C,Cí PI
CíPëCḡPsPIP°C,C†C- PeCḡPsPIC-, PsCíPeC-P»CHPePë C€PIPëPrPeC-CíC,CH
PIPëPIPµPrPµPSPSC¶ Cí C†PëC... C...PIPsCḡPëC... PjPsP¶Pµ P±CíC,Pë CíPePsCḡPsC†PµPSP°.

*P—P°CíC,PsCíC¿PIP°PSPSC¶ C¿ PiPµCḡC-PsPr PIP°PiC-C,PSPsCíC,C- P°P±Ps
PiPsPrC¿PIP°PSPSC¶ PiCḡC¿PrPrCḡ.*

P’P°PiC-C,PSC-CíC,CH.

PiPµC,,C,CḡC-P°PeCíPSPS PiCḡPsPSPëPeP°C” C†PµCḡPµP· PiP»P°C†PµPSC,P°CḡPSPëPNḡ
P±P°CḡBḡ™ C”Cḡ. P†CíPSCíCḡC,CH PsP±PjPµP¶PµPSC- PrP°PSC- C%PsPrPs
P·P°CíC,PsCíCíPIP°PSPSC¶ C†PµC,,C,CḡC-P°PeCíPSPSCí PIP°PiC-C,PSPëPj P¶C-PSPeP°Pj.
P”PsCíP»C-PrP¶PµPSPSC¶ PSP° C,PIP°CḡPëPSP°C... PSPµ CíPIC-PrC†P°C,CH PiCḡPs
P±PµP·PiPsCíPµCḡPµPrPSC-PNḡ P°P±Ps PsPiPsCíPµCḡPµPrPePsPIP°PSPëPNḡ
C€PeC-PrP»PëPIPëPNḡ PIPiP»PëPI PSP° PµPjP±CḡC-PsPS/PiP»C-Pr, PiPµCḡPë- C,P°
PiPsCíC,PSP°C,P°P»CHPSPëPNḡ CḡPsP·PIPëC,PsPe. PJ PiPµCḡC-PsPr PIP°PiC-C,PSPsCíC,C-,
P·PsPeCḡPµPjP° Cí P† C,CḡPëPjPµCíC,CḡC-, C†PµC,,C,CḡC-P°PeCíPSPS PjPsP¶PSP°
P·P°CíC,PsCíPSPICíPIP°C,Pë, P»PëC€Pµ C¶PeC%Ps PePsCḡPëCíC,CH PiPµCḡPµPIPëC%CíC”
CḡPëP·PëPe.

PḡPµ CíP»C-Pr PiCḡPëP·PSP°C†P°C,Pë PŷCíP»C-PeCíPSPB PSP°PiPµCḡPµPrPsPrPSC-
PiPsP»PsPiC-PI Cí P†P†P† C,CḡPëPjPµCíC,CḡC- PIP°PiC-C,PSPsCíC,C- Cí P·PiBḡ™ C¶P·PeCí P·
PiC-PrPIPëC%PµPSPSC¶Pj CḡPëP·PëPeCí P±C-P»C-CḡCíP±C-PSPsPIPsC—
PµPSC†PµC,,P°P»PsPiP°C,C-C—.

P”PsPrC¿PIP°PSPSC¶ PiCḡC¿PrPrCḡ.

PiPµC,,C,CḡC-P°PeCíPSPS PiCḡPsPSPëPeP°C” Cí PiCḡCíPrPSPµ PjPsP»PsPePs Cí
PSPëP·CHPePëC... PePsPSC†PµPSC,CḡP°C†C-C¶C..., P°P»Pµ PiCḡPë P·P°CíC,PsCíCíPIP°PSPSC-
PiCḡPµPiP°CḡP°C,Cí Cí C,PµCḡP°PiPµPIC,PëC†PSPëC... PrPsP·P°C... PSPµ
PsC†C-PeCíC”C,CHCíC¶ P¶PsPrPSPsPiPs PIPiP»PëPICí PSP° PiCḡCíPrPSPëC...
PSPµPjPsPIP»C¶C,. PµCḡPsC,Pµ PSPµ PjPsP¶PSP° PIPëPeP»CḡC†P°C,Pë CḡPëP·PëPe
CḡPsP·PIPëC,PeCí PrC-P°CḡPµC— C,P° PiCḡPëP±PePsPIPsC— C-PSC,,PµPeC†C-C—
CíP»PëP·PsPIPëC... PsP±PsP»PsPSPsPe. PŷP»C-Pr PICḡP°C...PsPICíPIP°C,Pë
PjPsP¶P»PëPIC-CíC,CH CíPµPSCíPëP±C-P»C-P·P°C†C-C—. PµPsC,CḡC-P±PSPs
PiCḡPëPNḡPSC¶C,Pë CḡC-C€PµPSPSC¶ C%PsPrPs PiCḡPëPiPëPSPµPSPSC¶

PiPsPrCíPIP°PSPSCŮ PiCĤCíPrPrCĤ P°P±Ps PĭCĤPĕPĭPĕPSPµPSPSCŮ/PIC-PrPjPsPIPĕ PIC-Pr P·P°CĬC,PsCĬCíPIP°PSPSCŮ C†PµC,,C,CĤC-P°PeCĬPsPSCí P· CíCĤP°C...CíPIP°PSPSCŮPj PePsCĤPĕCĬC,C- PIC-Pr PiCĤCíPrPSPsPiPs PiPsPrCíPIP°PSPSCŮ PrP»CŮ PrPĕC,PĕPSPĕ C,P° PePsCĤPĕCĬC,C- PIC-Pr C,PµCĤP°PĭC-C— PrP»CŮ PŲC-PSPePĕ.

PαPµCĤC,PĕP»CHΨPSC-CĬC,CH.

Pj PrPsCĬP»C-PrPŲPµPSPSCŮC... CĤPµPĭCĤPsPrCíPeC,PĕPIPSPsC— C,,CíPSPeC†C-C— PSPµ P±CíP»Ps PIPĕCŮPIP»PµPSPs PsP·PSP°Pe PSPµP±P°PŲP°PSPsPiPs PIPĭP»PĕPICí PSP° C†PsP»PsPIC-C†Cí P°P±Ps PŲC-PSPsC†Cí C,,PµCĤC,PĕP»CHΨPSC-CĬC,CH.

P—PrP°C,PSC-CĬC,CH PIPĭP»PĕPIP°C,Pĕ PSP° CĕPIPĕPrPeC-CĬC,CH CĤPµP°PeC†C-C— PĭCĤPĕ PePµCĤCíPIP°PSPSC- P°PIC,PsC,CĤP°PSCĬPĭPsCĤC,PsPj P°P±Ps C-PSCĕPĕPjPĕ PjPµC...P°PSC-P·PjP°PjPĕ.

PκPµPjP°C” PrP°PSPĕC... C‰PsPrPs PIPĭP»PĕPICí C†PµC,,C,CĤPĕP°PeCĬPsPSCí PSP° CĕPIPĕPrPeC-CĬC,CH CĤPµP°PeC†C-C—, P°P»Pµ Cí CĤP°P·C- PIPĕPSPĕPePSPµPSPSCŮ P·P°PĭP°PjPsCĤPsC†PµPSPSCŮ CĬP»C-Pr CíPSPĕPeP°C,Pĕ PePµCĤCíPIP°PSPSCŮ C,CĤP°PSCĬPĭPsCĤC,PSPĕPjPĕ P·P°CĬPsP±P°PjPĕ P°P±Ps CĤPsP±PsC,Pĕ P·C- CĬPeP»P°PrPSPĕPjPĕ PjPµC...P°PSC-P·PjP°PjPĕ.

PŲPĭPsCĬC-P± P·P°CĬC,PsCĬCíPIP°PSPSCŮ C,P° PrPsP·Pĕ.

PµCĤPĕ PĭCĤPĕP·PSP°C†PµPSPSC- PŲCíP»C-PeCĬPsPSCíB PSPµPsP±C...C-PrPSPs PrPsC,CĤPĕPjCíPIP°C,PĕCĬCŮ PsC,,C-C†C-PNĕPSPĕC... CĤPµPePsPjPµPSPPrP°C†C-PNĕ P· P°PSC,PĕP±C-PsC,PĕPePsC,PµCĤP°PĭC-C— C,P° P·PsPeCĤPµPjP° CĤPµPePsPjPµPSPPrP°C†C-PNĕ P· PĭCĤPsC,,C-P»P°PeC,PĕPePĕ P°PSC,PĕP±C-PsC,PĕPePsCĤPµP·PĕCĬC,PµPSC,PSPsCĬC,C-.

P PsP·C†PĕPSPĕ PiPsC,CíPIP°C,Pĕ P±PµP·PĭPsCĬPµCĤPµPrPSCĤPs PĭPµCĤPµPr P·P°CĬC,PsCĬCíPIP°PSPSCŮPj. PµC-CĬP»CŮ PrPsPrP°PIP°PSPSCŮ CĤPsP·C†PĕPSPSPĕPeP° PĭPsC,CĤC-P±PSPs PIC-P·CíP°P»CHΨPSPs PsC†C-PSPĕC,Pĕ PĭPsPIPSPsC,Cí CĤPsP·C†PĕPSPµPSPSCŮ. PŲCíP»C-PeCĬPsPSB PjPsPŲPSP° P·P°CĬC,PsCĬPsPICíPIP°C,Pĕ PIPSCíC,CĤC-CĕPSCĤPsPIPµPSPSPs P°P±Ps PIPSCíC,CĤC-CĕPSCĤPsPjPŲ™CŮP·PsPIPs.

P”PsCĤPsCĬP»C- C- PrC-C,Pĕ PIC-PePsPj PIC-Pr 12 CĤPsPeC-PI: P·P°P·PIPĕC†P°PNĕ PĭCĤPĕP·PSP°C†P°C,Pĕ 1-2 Pi (Cí PĭPµCĤPµCĤP°C...CíPIP°PSPSC- PSP° C†PµC,,C,CĤC-P°PeCĬPsPS) PŲCíP»C-PeCĬPsPSCíB 1 CĤP°P· PSP° PrPsP±Cí (PePsPŲPSC-B 24 PiPsPrPĕPSPĕ). PµCĤPĕ C,CŮPŲPePĕC... C-PSC,,PµPeC†C-CŮC... P°P±Ps C-PSC,,PµPeC†C-CŮC..., P·P±CíPrPSPĕPePĕ CŮPePĕC... PjP°CĤC,CH P»PĕCĕPµ PĭPsPjC-CĤPSCí C†CíC,P»PĕPIC-CĬC,CH PrPs PĭCĤPµPĭP°CĤP°C,Cí, PrPsP±PsPICí PrPsP·Cí PjPsPŲPSP° P·P±C-P»CHΨCĕCíPIP°C,Pĕ PrPs 4 Pi (Cí PĭPµCĤPµCĤP°C...CíPIP°PSPSC- PSP° C†PµC,,C,CĤC-P°PeCĬPsPS).

B P”C-C,Pĕ

PκPsPIPsPSP°CĤPsPrPŲPµPSC-, PSPµPjPsPIP»CŮC,P° C- PrC-C,Pĕ PIC-PePsPj PrPs 12

CḡPsPeC-PI

PkPsPIPsPSP°CḡPsPrP¶PμPSC- (PrPs 2 C,PëP¶PSC-PI): 20-50 PjPi/PePi PjP°CḡPë C,C-P»P° (CḡPsP·CḡP°C...CḡPSPsPe P·P° C†PμC,,C,CḡC-P°PeCḡPsPSPsPj) 1 CḡP°P· PSP° PrPsP±Cḡ. P—PIP°P¶P°CḡC†Pë PSP° PSPμPrPsCḡPsP·PIPëPSPμPSC-CḡC,CH C,,PμCḡPjPμPSC,PSPsC— CḡPëCḡC,PμPjPë, PrPsP±PsPIP° PrPsP·P° PSPμ PīPsPIPëPSPSP° PīPμCḡPμPIPëC‰CḡPIP°C,Pë 50 PjPi/PePi PjP°CḡPë C,C-P»P°. P”PsP·Pë PīCḡPμPīP°CḡP°C,Cḡ PrP»Cḡ PrPsPSPsC€PμPSPëC... C- PSPμPrPsPSPsC€PμPSPëC... PrC-C,PμPNë PSPμ PIC-PrCḡC-P·PSCḡCḡC,CHCḡCḡ.

PÿCḡP»C-PeCḡPsPSB PīCḡPsC,PëPīPsPeP°P·P°PSPëPNë PrP»Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PSPsPIPsPSP°CḡPsPrP¶PμPSPëPj PIC-PePsPj ≤ 28 PrPSC-PI PīCḡPë PSPμPsP±C...C-PrPSPsCḡC,C- (P°P±Ps PsC†C-PeCḡPIP°PSC-PNë PSPμPsP±C...C-PrPSPsCḡC,C-) P»C-PeCḡPIP°PSPSCḡ PIPSCḡC,CḡC-C€PSCḡPsPIPμPSPSPëPjPë CḡPsP·C†PëPSP°PjPë, CḡPeC- PjC-CḡC,CḡC,CH PeP°P»CHC†C-PNë, Cḡ C,PsPjCḡ C†PëCḡP»C- PIPSCḡC,CḡC-C€PSCḡPsPIPμPSPSC- PIP»PëPIP°PSPSCḡ, CḡPeC- PjC-CḡC,CḡC,CH PeP°P»CHC†C-PNë, PSP°PīCḡPëPeP»P°Pr PīP°CḡPμPSC,PμCḡP°P»CHPSPμ C...P°CḡC†CḡPIP°PSPSCḡ, Cḡ P·PīBḡ™ CḡP·PeCḡ P· CḡPëP·PëPePsPj PIPëPSPëPePSPμPSPSCḡ PīCḡPμC†PëPīC-C,P°C,C-PI PeP°P»CHC†C-C”PIPëC... CḡPsP»PμPNë C†PμC,,C,CḡC-P°PeCḡPsPSCḡ.

PkPsPIPsPSP°CḡPsPrP¶PμPSC- C,P° PrC-C,Pë PIC-PePsPj PIC-Pr 15 PrPSC-PI PrPs 12 CḡPsPeC-PI: 20-80 PjPi/PePi PjP°CḡPë C,C-P»P° (CḡPsP·CḡP°C...CḡPSPsPe P·P° C†PμC,,C,CḡC-P°PeCḡPsPSPsPj) 1 CḡP°P· PSP° PrPsP±Cḡ.

P”C-C,CḡPj P· PjP°CḡPsCḡ C,C-P»P° PīPsPSP°Pr 50 PePi PīCḡPëP·PSP°C†P°C,Pë PrPsP·Pë PrP»Cḡ PrPsCḡPsCḡP»PëC...

P—P°PīP°P»CHPSP° PrPsP±PsPIP° PrPsP·P° PrP»Cḡ PrC-C,PμPNë PSPμ PjP°C” PīPμCḡPμPIPëC‰CḡPIP°C,Pë 2 Pī (Cḡ PīPμCḡPμCḡP°C...CḡPIP°PSPSC- PSP° C†PμC,,C,CḡC-P°PeCḡPsPS).

P’PSCḡC,CḡC-C€PSCḡPsPIPμPSPSC- PrPsP·Pë 50 PjPi/PePi (CḡPsP·CḡP°C...CḡPSPsPe P·P° C†PμC,,C,CḡC-P°PeCḡPsPSPsPj) P°P±Ps PIPëC‰Pμ CḡP»C-Pr PīPīPsPrPëC,Pë C€P»CḡC...PsPj C-PSC,,CḡP·C-C— PīPsPIC-P»CHPSPs PīCḡPsC,CḡPīPsPj 30Bḡ”60 C...PIPëP»PëPS.

PḡPIPsCḡC- P»C-C,PSCHPsPiPs PIC-PeCḡ

PḡPIPsCḡPëPj P»C-C,PSCHPsPiPs PIC-PeCḡ PePsCḡPμPeC†C-Cḡ PrPsP·Pë PSPμ PīPsC,CḡC-P±PSP°.

PÿCḡPëPIP°P»C-CḡC,CH P»C-PeCḡPIP°PSPSCḡ

PÿCḡPëPIP°P»C-CḡC,CH P»C-PeCḡPIP°PSPSCḡ P·P°P»PμP¶PëC,CH PIC-Pr PīPμCḡPμP±C-PiCḡ C...PIPsCḡPsP±Pë. PīPe PīCḡPëPNëPSCḡC,Ps PīCḡPë C,PμCḡP°PīC-C— P°PSC,PëP±C-PsC,PëPeP°PjPë, C...PIPsCḡPëPj CḡP»C-Pr PīCḡPsPrPsPIP¶CḡPIP°C,Pë PīCḡPëPNëPjP°C,Pë PÿCḡP»C-PeCḡPsPSB C‰Pμ PīCḡPsC,CḡPīPsPj CḡPe PjC-PSC-PjCḡPj B 48-72 PīPsPrPëPS PīC-CḡP»Cḡ C,PsPiPs, CḡPe C,PμPjPīPμCḡP°C,CḡCḡP° PSPsCḡPjP°P»C-P·CḡC”C,CHCḡCḡ C,P° P°PSP°P»C-P·Pë PīPsPeP°P¶CḡC,CH

P"»CΠ ΠiCηPsC,,C-»P°PeC,PëPePë ΠiC-CΓP»CΠPsΠiPμCηP°C†C-ΠN̄PSPëC...
C-PSC,,PμPeC†C-ΠN̄ Cr C...C-CηCrCηΠiC-C— CηPμPePsPjPμPSPPrCrC"C,CηCΓCΠ
P·P°»PμP¶PSPs PIC-Pr CΓC,CrΠiPμPSCΠ PSPμP±PμP·ΠiPμPePë P·P°CηP°P¶PμPSPSCΠ
ΠiΠPsPrPëC,Pë CηP°P·PsPICr PrPsP·Cr 1-2 Πi (Cr ΠiPμCηPμCηP°C...CrΠP°PSPSC- PSP°
C†PμC,,C,CηC-P°PeCΓPsPS) PÿCrP»C-PeCΓPsPSCrB P·P° 30-90 C...ΠPëP»PëPS PrPs
ΠiPsC†P°C,PeCr PsΠiPμCηP°C†C-C—. PμCηPë PsΠiPμCηP°C†C-CΠC... PSP° C,PsPICΓC,C-ΠN̄ C-
ΠiCηCΠjC-ΠN̄ PePëCëC†C- PrPsP±CηPμ P·P°CηPμPePsPjPμPSPPrCrΠP°»Ps CΓPμP±Pμ
PsPrPSPsC†P°CΓPSPμ (P°P»Pμ PsPeCηPμPjPμ) ΠiΠPμPrPμPSPSCΠ PÿCrP»C-PeCΓPsPSCr C,P°

PsPrPSPsPiPs P· B B B B B B B 5-PSC-C, C₇H₅PsC-PjC-PrP°P·PsP»C-PI, PSP°PiC₇H₅PeP»P°Pr
PsC₇H₅PSC-PrP°P·PsP»Cr.

PkPëC₇H₅PePsPIP° C, P° PiPμC‡C-PSPePsPIP° PSPμPrPsC₇H₅, P°C, PSC-C₇H₅, CH₅

PIPIPsC₇H₅PePj C-P· PiPsC₇H₅CrCεPμPSPSC₇H₅Pe C,, CrPSPeC†C-C— PSPëC₇H₅PsPe PSPμPjP°C”
PSPμPsP±C...C-PrPSPsC₇H₅, C- P·PSPëP¶CrPIP°C, Pë PrPsP·Cr, C₇H₅PeC%Ps C,, CrPSPeC†C-C₇H₅
PiPμC‡C-PSPePë P·P°P»PëCεP°C”C, CH₅C₇H₅Cr Cr PSPsC₇H₅PjC-.

PIPIPsC₇H₅PePj C-P· PiPsC₇H₅CrCεPμPSPSC₇H₅Pe C,, CrPSPeC†C-C— PiPμC‡C-PSPePë PSPμPjP°C”
PSPμPsP±C...C-PrPSPsC₇H₅, C- P·PSPëP¶CrPIP°C, Pë PrPsP·Cr, C₇H₅PeC%Ps C,, CrPSPeC†C-C₇H₅
PSPëC₇H₅PsPe P·P°P»PëCεP°C”C, CH₅C₇H₅Cr Cr PSPsC₇H₅PjC-. P·PëCεPμ Cr C₇H₅P°P·C-
PSPëC₇H₅PePsPIPsC— PSPμPrPsC₇H₅, P°C, PSPsC₇H₅, C- Cr
PiPμC₇H₅PμPrC, PμC₇H₅PjC-PSP°P»CH₅PSC-PN₂ C₇H₅, P°PrC-C— (PeP»C-C₇H₅PμPSC₇H₅
PeC₇H₅PμP°C, PëPSC-PSCr PjPμPSCεPμ 10 PjP»/C...PI) PrPsP±PsPIP° PrPsP·P° PSPμ
PiPsPIPëPSPSP° PiPμC₇H₅PμPIPëC%CrPIP°C, Pë 2 Pi (Cr PiPμC₇H₅PμC₇H₅P°C...CrPIP°PSPSC-
PSP° C†PμC,, C, C₇H₅C-P°PeC₇H₅PsPS). Pj C...PIPsC₇H₅PeC... C-P· PiPsC₇H₅CrCεPμPSPSC₇H₅Pe
C,, CrPSPeC†C-C— PiPμC‡C-PSPePë PSPμPjP°C” PSPμPsP±C...C-PrPSPsC₇H₅, C-
P·PSPëP¶CrPIP°C, Pë PrPsP·Cr, C₇H₅PeC%Ps C,, CrPSPeC†C-C₇H₅ PSPëC₇H₅PsPe
P·P°P»PëCεP°C”C, CH₅C₇H₅Cr Cr PSPsC₇H₅PjC-. PμC₇H₅Pe PsPrPSPsC‡P°C₇H₅PSC-PN₂
C, C₇H₅P¶PeC-PN₂ PSPëC₇H₅PePsPIC-PN₂ C, P° PiPμC‡C-PSPePsPIC-PN₂
PSPμPrPsC₇H₅, P°C, PSPsC₇H₅, C- C₇H₅P»C-Pr C₇H₅PμPiCrP»C₇H₅PSPs PIPëP·PSP°C‡P°C, Pë
PePsPSC†PμPSC, C₇H₅P°C†C-C₇H₅ C†PμC,, C, C₇H₅C-P°PeC₇H₅PsPSCr Cr PiP»P°P·PjC- PeC₇H₅PsPIC-
C, P° PiC₇H₅PsPIPsPrPëC, Pë PePsC₇H₅PμPeC†C-C₇H₅ PrPsP·Pë PiC₇H₅PμPiP°C₇H₅P°C, Cr Cr
C₇H₅P°P·C- PSPμPsP±C...C-PrPSPsC₇H₅, C-.

PIPIPsC₇H₅PePj, C₇H₅PeC- PiPμC₇H₅PμP±CrPIP°C₇H₅, CH₅ PSP° PiPμPjPsPrC-P°P»C-P·C-, PSPμPjP°C”
PiPsC, C₇H₅PμP±Pë PrPsPrP°C, PePsPIPs PIPIPsPrPëC, Pë PiC₇H₅PμPiP°C₇H₅P°C, PiC-C₇H₅P»C₇H₅
PrC-P°P»C-P·Cr. PÿP»C-Pr PsPrPSP°Pe PePsPSC, C₇H₅PsP»CH₅PIP°C, Pë
PePsPSC†PμPSC, C₇H₅P°C†C-C₇H₅ C†PμC,, C, C₇H₅C-P°PeC₇H₅PsPSCr PI C₇H₅PeC₇H₅PsPIP°C, C†C- PeC₇H₅PsPIC-
C₇H₅, PsC₇H₅PsPIPs PjPsP¶P»PëPIPsC— PePsC₇H₅PμPeC†C-C— PrPsP·Pë, PsC₇H₅PeC-P»CH₅PePë Cr
C†PëC... C...PIPsC₇H₅PeC... PjPsP¶Pμ P·PSPëP¶CrPIP°C, PëC₇H₅Cr CεPIPëPrPeC-C₇H₅, CH₅
PIPëPIPμPrPμPSPSC₇H₅. P”PsP±PsPIP° PrPsP·P° PÿCrP»C-PeC₇H₅PsPSCr PrP»C₇H₅ C...PIPsC₇H₅PeC...,
C₇H₅PeC- PiPμC₇H₅PμP±CrPIP°C₇H₅, CH₅ PSP° PiPμPjPsPrC-P°P»C-P·C-, PSPμ PiPsPIPëPSPSP°
PiPμC₇H₅PμPIPëC%CrPIP°C, Pë 2 Pi (Cr PiPμC₇H₅PμC₇H₅P°C...CrPIP°PSPSC- PSP°
C†PμC,, C, C₇H₅C-P°PeC₇H₅PsPS).

PμC₇H₅PePiPsC, C₇H₅PIP°PSPSC₇H₅ C₇H₅PsP·C‡PëPSC-PI

P”PsC, CrPIP°C, Pë C₇H₅PsP·C‡PëPSPë P±PμP·PiPsC₇H₅PμPrPSC₇H₅Ps PiPμC₇H₅PμPr C—C...
P·P°C₇H₅, PsC₇H₅CrPIP°PSPSC₇H₅Pj.

PÿPIC-P¶PsPiC₇H₅PePiPsC, PsPIP»PμPSC- C₇H₅PsP·C‡PëPSPë P·P±PμC₇H₅C-PiP°C₇H₅, CH₅ C₇H₅PIP°C₇H₅
C,, C-P·PëC‡PSCr C- C...C-PjC-C‡PSCr C₇H₅, P°P±C-P»CH₅PSC-C₇H₅, CH₅ PiC₇H₅PsC, C₇H₅PiPsPj
B B B B B B B 6 PiPsPrPëPS PiC₇H₅Pe PeC-PjPSP°C, PSC-PN₂ C, PμPjPiPμC₇H₅P°C, CrC₇H₅C- (P°P±Ps
PiC₇H₅PsC, C₇H₅PiPsPj 24 PiPsPrPëPS PiC₇H₅Pe C, PμPjPiPμC₇H₅P°C, CrC₇H₅C- 2-8 B°Pÿ). P—P°P»PμP¶PSPs
PIC-Pr PePsPSC†PμPSC, C₇H₅P°C†C-C— C- C, C₇H₅PePIP°P»PsC₇H₅, C- P·P±PμC₇H₅C-PiP°PSPSC₇H₅
PePsP»C-C₇H₅ C₇H₅PsP·C‡PëPSC-PI PjPsP¶Pμ PIP°C₇H₅C-C₇H₅PIP°C, Pë PIC-Pr P±P»C-PrPs-
P¶PsPIC, PsPiPs PrPs P±CrC₇H₅CεC, PëPSPsPIPsPiPs. PjC₇H₅ PIP»P°C₇H₅, PëPIC-C₇H₅, CH₅
P°PeC, PëPIPsPsC— C₇H₅PμC‡PsPIPëPSPë PSPμ PIPiP»PëPIP°C” PSP° PμC,, PμPeC, PëPIPsC-C₇H₅, CH₅
P°P±Ps PiPμC₇H₅PμPSPsC₇H₅PjC-C₇H₅, CH₅ PiC₇H₅PμPiP°C₇H₅P°C, Cr.

P'PSCzC,CTHC-CePSCHBPsPjBHTM CUP.PsPIP° C-PSBHTM C"PeCtC-CU

P"»CUI PIPSCrC,CTHC-CePSCHBPsPjBHTM CUP.PsPIPsC— C-PSBHTM C"PeCtC-C— 1,5 Pi
PiCTHPiPi°CTHP°C,Cr CTHPsP·CtPePSCUIC,Pë Cr 3,5 PjP» 1 % CTHPsP·CtPePSCr
P»C-PrPsPeP°C—PSCr; C-PSBHTM C"PeCtC-CTH CTHPsP±PëC,Pë PiP»PëP±PsPePs Cr
CTC-PrPSPëCtPSPëPNë PjBHTM CUP. P PµPePsPjPµPSPPrCrC"C,CHCTCUI PIPIPsPrPëC,Pë
PSPµ P±C-P»CHCëPµ 1 Pi PI PsPrPSCr CTC-PrPSPëCtCTH (Cr
PiPµCTHPµCTHP°C...CrPIP°PSPSC- PSP° CtPµC,,C,CTHC-P°PeCTPsPS).

P PsP·CtPePS, C%oPs PjC-CTC,PëC,CH P»C-PrPsPeP°C—PS, PSPµ PjPsP¶PSP° PIPIPsPrPëC,Pë
PIPSCrC,CTHC-CePSCHBPsPIPµPSPSPs.

P'PSCzC,CTHC-CePSCHBPsPIPµPSPSP° C-PSBHTM C"PeCtC-CU

P"»CUI PIPSCrC,CTHC-CePSCHBPsPIPµPSPSPsC— C-PSBHTM C"PeCtC-C— CTHPsP·CtPePSCUIC,Pë
PIPjC-CTC, PsPrPSPsPiPs C,,P»P°PePsPSP° PÿCrP»C-PeCTPsPSCr Cr 10 PjP»
CTC,PµCTHPëP»CHPSPsC— PIPsPrPë PrP»CUI C-PSBHTM C"PeCtC-PNë; PIPIPsPrPëC,Pë
PIPSCrC,CTHC-CePSCHBPsPIPµPSPSPs PiPsPIC-P»CHPSPs (2-4 C...PI).

P'PSCzC,CTHC-CePSCHBPsPIPµPSPSPµ PIP»PëPIP°PSPSCU

P'PSCrC,CTHC-CePSCHBPsPIPµPSPSPµ PIP»PëPIP°PSPSCU PiPsPIPëPSPSPs C,CTHPëPIP°C,Pë PSPµ
PjPµPSCëPµ 30 C...PIPëP»PëPS. P"»CUI PiCTHPëPiPsC,CrPIP°PSPSCU CTHPsP·CtPePSCr
PrP»CUI PIP»PëPIP°PSPSCU CTHPsP·CtPePSCUIC,Pë 3 Pi PÿCrP»C-PeCTPsPSCrB Cr 40 PjP»
PsPrPSPsPiPs P·PSPëP¶CtPµP·P°P·PSP°CtPµPSPëC... C-PSC,,CrP·C-PNëPSPëC...
CTHPsP·CtPePSC-PI, PIC-P»CHPSPëC... PIC-Pr C-PsPSC-PI PeP°P»CHCtC-CTH: 0,9 %
C...P»PsCTHPëPr PSP°C,CTHC-CTH, 0,45 % C...P»PsCTHPëPr PSP°C,CTHC-CTH 2,5 % PiP»CTHPePsP·P°, 5
% PiP»CTHPePsP·P°, 10 % PiP»CTHPePsP·P°, 6 % PrPµPeCTC,CTHP°PS Cr CTHPsP·CtPePSC-
PiP»CTHPePsP·Pë 5 %, 6-10 % PiC-PrCTHPsPeCTC-PµC,PëP»CHPpsPIP°PSPëPNë
PeCTHPsC...PjP°P»CH, PIPsPrP° PrP»CUI C-PSBHTM C"PeCtC-PNë. P—PIP°P¶P°CTHCtPë PSP°
PjPsP¶P»PëPICr PSPµCTCtPjC-CTPSC-CTC,CH, CTHPsP·CtPePSPë, CUPeC- PjC-CTC,CUIC,CH
PÿCrP»C-PeCTPsPS, PSPµ PjPsP¶PSP° P·PjC-CëCrPIP°C,Pë P·CTHPsP·CtPePSP°PjPë, CUPeC-
PjC-CTC,CUIC,CH C-PSCëC- P°PSC,PëP±C-PsC,PëPePë, CUPe PiCTHPë
PiCTHPëPiPsC,CrPIP°PSPSC-, C,P°Pe C- PiCTHPë PIPIPµPrPµPSPSC-. PkPµ PjPsP¶PSP°
PIPëPePsCTHPëCTC,PsPICrPIP°C,Pë CTHPsP·CtPePSPSPëPePë, CUPeC- PjC-CTC,CUIC,CH
PeP°P»CHCtC-PNë, C,P°PeC- CUPe CTHPsP·CtPePS P C-PSPiPµCTHP° P°P±Ps CTHPsP·CtPePS
P"P°CTHC,PjP°PSP°, PrP»CUI CTHPsP·CtPePSPµPSPSCU PÿCrP»C-PeCTPsPSCr Cr
C,,P»P°PePsPSP°C... P°P±Ps PrP»CUI CTHPsP·PIPµPrPµPSPSCU PIC-PrPSPsPIP»PµPSPsPiPs
CTHPsP·CtPePSCr PrP»CUI PIPSCrC,CTHC-CePSCHBPsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCU Cr
P·PiBHTM CUP·PeCr P·PIC-CTHPsPiC-PrPSC-CTC,CTH CrC,PIPsCTHPµPSPSCU
PiCTHPµCtPëPiC-C,P°C,C-PI PeP°P»CHCtC-C"PIPëC... CTPsP»PµPNë CtPµC,,C,CTHC-P°PeCTPsPSCr.
P'PëPSPëPePSPµPSPSCU PiCTHPµCtPëPiC-C,P°C,C-PI PeP°P»CHCtC-C"PIPëC... CTPsP»PµPNë
CtPµC,,C,CTHC-P°PeCTPsPSCr C,P°PePsP¶ PjPsP¶Pµ PIC-PrP±CrPIP°C,PëCTCUI PiCTHPë
P·PjC-CëCrPIP°PSPSC- PÿCrP»C-PeCTPsPSCr P·CTHPsP·CtPePSP°PjPë, C%oPs PjC-CTC,CUIC,CH
PeP°P»CHCtC-PNë, PI PsPrPSC-PNë C-PSC,,CrP·C-PNëPSC-PNë CTPëCTC,PµPjC- PrP»CUI
PIPSCrC,CTHC-CePSCHBPsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCU. PÿCrP»C-PeCTPsPS PSPµ
PjPsP¶PSP° PIPIPsPrPëC,Pë PIPSCrC,CTHC-CePSCHBPsPIPµPSPSPs PsPrPSPsCtP°CTPSPs P·
CTHPsP·CtPePSP°PjPë, C%oPs PjC-CTC,CUIC,CH PeP°P»CHCtC-PNë, Cr C,PsPjCr CtPëCTP»C- P·
C,CTHPëPIP°P»PëPjPë C-PSC,,CrP·C-CUPjPë, CUPeC- PjC-CTC,CUIC,CH PeP°P»CHCtC-PNë,
PSP°PiCTHPëPeP»P°Pr PiP°CTHPµPSC,PµCTHP°P»CHPSPµ C...P°CTHCtCrPIP°PSPSCU (PrPëPI.
B«P'P·P°C"PjPsPrC-CUI P·C-PSCëPëPjPë P»C-PeP°CTCTCHPePëPjPë P·P°CTPsP±P°PjPë C,P°

C-PSC€C- PIPëPrPë PIP·P°C"PjPsPrC-PNëB»).

P"C-C,Pë.

P—P°CÍ'C,PsCÍ'PsPICrPIP°C,Pë PrC-C,CÍPj (PrPëPI. CĤPsP·PrC-P» B«PŸPİPsCÍ'C-P±
P·P°CÍ'C,PsCÍ'CÍPIP°PSPSCİ C,P° PrPsP·PëB»).

PŸCÍ'P»C-PeCÍ'PsPSB PİCĤPsC,PëPİPsPeP°P·P°PSPëPNë PrP»Cİ P·P°CÍ'C,PsCÍ'CÍPIP°PSPSCİ
PSPsPIPsPSP°CĤPsPrP¶PµPSPëPj PIC-PePsPj ≤ 28 PrPSC-PI CÍ CĤP°P·C-
PSPµPsP±C...C-PrPSPsCÍ'C,C- (P°P±Ps PsC±C-PeCÍ'PIP°PSC-PNë
PSPµPsP±C...C-PrPSPsCÍ'C,C-) P»C-PeCÍ'PIP°PSPSCİ
PIPSCÍ'C,CĤC-C€PSCHßPsPIPµPSPSPëPjPë CĤPsP·C±PëPSP°PjPë, CİPeC-
PjC-CÍ'C,CİC,CH PeP°P»CHC†C-PNë, CÍ C,PsPjCÍ C±PëCÍ'P»C-
PIPSCÍ'C,CĤC-C€PSCHßPsPIPµPSPSC- PIP»PëPIP°PSPSCİ, CİPeC- PjC-CÍ'C,CİC,CH
PeP°P»CHC†C-PNë, PSP°PİCĤPëPeP»P°Pr PİP°CĤPµPSC,PµCĤP°P»CHßPSPµ
C...P°CĤC±CÍ'PIP°PSPSCİ, CÍ P·PIBĤ™ CİP·PeCÍ P· CĤPëP·PëPePsPj
PIPëPSPëPePSPµPSPSCİ PİCĤPµC†PëPİC-C,P°C,C-PI PeP°P»CHC†C-C"PİPëC...
CÍ'PsP»PµPNë C†PµC,,C,CĤC-P°PeCÍ'PsPSCÍ (PrPëPI. B«PŸPİPsCÍ'C-P±
P·P°CÍ'C,PsCÍ'CÍPIP°PSPSCİ C,P° PrPsP·PëB»).

Pj PSPsPIPsPSP°CĤPsPrP¶PµPSPëC... C,P° PSPµPrPsPSPsC€PµPSPëC... PrC-C,PµPNë
PsPİPëCÍ'P°PSC- PIPëPİP°PrPePë PIPëPSPëPePSPµPSPSCİ PİCĤPµC†PëPİC-C,P°C,C-PI CÍ
P»PµPİPµPSCİC... C,P° PSPëCĤPeP°C..., CİPeC- CÍ'PİCĤPëC±PëPSPëP»Pë P»PµC,P°P»CHßPSC-
PSP°CÍ'P»C-PrPePë PİCĤPë PsPrPSPsC±P°CÍ'PSPsPjCÍ PİPİPµPrPµPSPSC-
C†PµC,,C,CĤC-P°PeCÍ'PsPSCÍ C,P° PİCĤPµPİP°CĤP°C,C-PI PeP°P»CHC†C-CĤ. Pj PrPµCİPePëC...
C-P· C†PëC... PIPëPİP°PrPeC-PI P·P°CÍ'C,PsCÍ'PsPICrPIP°P»Pë C,C- P¶ CÍ'P°PjC-
C-PSC,,CÍ'P·C-PNëPSC- CÍ'PëCÍ'C,PµPjPë PrP»Cİ PIPSCÍ'C,CĤC-C€PSCHßPsPIPµPSPSPsPİPs
PİPİPµPrPµPSPSCİ PŸCÍ'P»C-PeCÍ'PsPSCÍB C,P° CĤPsP·C±PëPSC-PI, CİPeC- PjC-CÍ'C,CİC,CH
PeP°P»CHC†C-PNë, C- PI PrPµCİPePëC... C-PSC,,CÍ'P·C-PNëPSPëC... CÍ'PëCÍ'C,PµPjP°C... PrP»Cİ
PIPSCÍ'C,CĤC-C€PSCHßPsPIPµPSPSPsPİPs PİPİPµPrPµPSPSCİ CÍ'PİPsCÍ'C,PµCĤC-PİP°P»PsCÍ'Cİ
PIPëPSPëPePSPµPSPSCİ PİCĤPµC†PëPİC-C,P°C,C-PI.

PµPµCĤPµPrPsP·CéPIP°PSPSCİ.

PŸPëPjPİC,PsPjPë: C-CÍ'PSCÍ'C" PsP±PjPµP¶PµPSP° C-PSC,,PsCĤPjP°C†C-Cİ PİCĤPs
PIPëPİP°PrPePë PİPµCĤPµPrPsP·CÍ'PIP°PSPSCİ PİCĤPµPİP°CĤP°C,CÍ CÍ P»CHPrPµPNë.

PµCĤPë PİPµCĤPµPrPsP·CÍ'PIP°PSPSC- PjPsP¶Pµ CÍ'PİPsCÍ'C,PµCĤC-PİP°C,PëCÍ'Cİ
PSCÍ'PrPsC,P°, P±P»CHPIP°PSPSCİ, PrC-P°CĤPµCİ. P'PëCÍ'PsPeC-
PePsPSC†PµPSC,CĤP°C†C-C—B B B b-P»P°PeC,P°PjPSPëC... P°PSC,PëP±C-PsC,PëPeC-PI CÍ
CÍ'PİPëPSPSPsPjPsP·PePsPIC-PNë CĤC-PrPëPSC- PjPsP¶CÍ'C,CH CÍ'PİCĤPëC±PëPSCİC,Pë
PSPµPICĤPsP»PsPiC-C±PSC- CĤPµP°PeC†C-C—, P·PsPeCĤPµPjP° CÍ'CÍ'PrPsPjPë.

P>C-PeCéPIP°PSPSCİ: PSP°PrP»PëC€PePsPIC- PePsPSC†PµPSC,CĤP°C†C-C—
C†PµC,,C,CĤC-P°PeCÍ'PsPSCÍ CÍ PİP»P°P·PjC- PeCĤPsPIC- PSPµ PjPsP¶PSP°

P·PjPμPSC€PëC,Pë P·P° PrPsPīPsPjPsPiPsCḥ PiPμPjPsPrC-P°P»C-P·Cṛ P°P±Ps
PīPμCḥPëC,PsPSPμP°P»CḥPSPsPiPs PrC-P°P»C-P·Cṛ. PŸPīPμC†PëC,,C-C†PSPsPiPs
P°PSC,PëPrPsC,Cṛ PSPμPjP°C". P" P»Cḷ P»C-PeCṛPIP°PSPSCḷ PIPëPīP°PrPeC-PI
PīPμCḥPμPrPsP·CṛPIP°PSPSCḷ CḥPμPePsPjPμPSPṛCṛC"C,CḥCṛCḷ
CṬPëPjPīC,PsPjP°C,PëC†PSPμ P»C-PeCṛPIP°PSPSCḷ.

PμPsP±C-C†PSC- CḥPμP°PeC†C-C—.

P†PSC,,PμPeC†C-C— C,P° C-PSPIP°P·C-C—: PeP°PSPṛPëPrPsPjC-PePsP·, PjC-PePsP·
CṛC,P°C,PμPIPëC... C€P»CḷC...C-PI, PIC,PsCḥPëPSPSC- PiCḥPëP±PePsPIC- C-PSC,,PμPeC†C-C—
C,P° C-PSC,,PμPeC†C-C—, CṬPīCḥPëC†PëPSPμPSC- CḥPμP·PëCṛC,PμPSC,PSPëPjPë
PjC-PeCḥPsPsCḥPiP°PSC-P·PjP°PjPë, CṬCṛPīPμCḥC-PSC,,PμPeC†C-C—.

P— P±PsPeCḷ CṬPëCṛC,PμPjPë PeCḥPsPIC- C,P° P»C-PjC,,P°C,PëC†PSPsC— CṬPëCṛC,PμPjPë:
PμPsP·PëPSPsC,,C-P»C-Cḷ, PSPμPNḥ,CḥPsPīPμPSC-Cḷ (PīPsPībḥ™ CḷP·P°PSP° P·
C,CḥPëPIP°P»PëPj P·P°CṛC,PsCṛCṛPIP°PSPSCḷPj, PsP±PsCḥPsC,PSP°),
P»PμPNḥPePsPīPμPSC-Cḷ, P»PμPNḥPePsC†PëC,PsP·, P»C-PjC,,PsPīPμPSC-Cḷ,
PiCḥP°PSCṛP»PsC†PëC,PsPīPμPSC-Cḷ, P°PSPμPjC-Cḷ, PIPeP»CḥC†P°CḥC†Pë
PiPμPjPsP»C-C,PëC†PSCṛ P°PSPμPjC-Cḥ, C,CḥPsPjP±PsC†PëC,PsPīPμPSC-Cḷ,
C,CḥPsPjP±PsC†PëC,PsP·, P±P°P·PsC,,C-P»C-Cḷ,
P·P±C-P»CḥC€PμPSPSCḷ/P·PjPμPSC€PμPSPSCḷ PīCḥPsC,CḥPsPjP±C-PSPsPIPsPiPs C†P°CṛCṛ,
CḥPsP·P»P°PrPë PePsP°PiCṛP»CḷC†C-C—, PiC-PīPsPīCḥPsC,CḥPsPjP±C-PSPμPjC-Cḷ,
P°PiCḥP°PSCṛP»PsC†PëC,PsP· (PjPμPSC€Pμ 500 PjPj³), PīPμCḥPμPIP°P¶PSPs PīC-CṬP»Cḷ
P·P°CṛC,PsCṛCṛPIP°PSPSCḷ P·P°PiP°P»CḥPSPsC— PrPsP·Pë PIC-Pr 20 Pi. PḥC-Pr C†P°Cṛ
C,CḥPëPIP°P»PsPiPs P»C-PeCṛPIP°PSPSCḷ CṬP»C-Pr CḥPμPiCṛP»CḷCḥPSPs
PePsPSC,CḥPsP»CḥPIP°C,Pë PeP°CḥC,PëPSCṛ PeCḥPsPIC-.

P— P±PsPeCḷ C€P»CḷPSPePsPIPs-PePëC€PePsPIPsPiPs C,CḥP°PeC,Cḷ: CḥC-PrPeC-
PIPëPīPsCḥPsP¶PSPμPSPSCḷ, PrC-P°CḥPμCḷ, PSCṛPrPsC,P°, P±P»CḥPIP°PSPSCḷ,
PjPμC,PμPsCḥPëP·Pj,B CṛC,PsPjP°C,PëC,, PīPsCḥCṛC€PμPSPSCḷ CṬPjP°PeCṛ, PiP»PsCṬPëC,,
PīP°PSPeCḥPμP°C,PëC,, C%Ps CḥPsP·PIPëPSCṛPICṬCḷ, PjPsP¶P»PëPIPs, PIPSP°CṬP»C-PrPsPe
PsP±CṛC,CḥCṛPeC†C-C— P¶PsPIC†PsPIPëPIC-PrPSPëC... C€P»CḷC...C-PI, C€P»CṛPSPePsPIPs-
PePëC€PePsPIP° PeCḥPsPIPsC,PμC†P°. PkPμ PjPsP¶PSP° PIPëPeP»CḥC†P°C,Pë CḥPsP»Cḥ
PīCḥPμC†PëPīC-C,P°C,C-PI Cṛ CḥPsP·PIPëC,PeCṛ PīP°PSPeCḥPμP°C,PëC,Cṛ, C%Ps
CṛC,PIPsCḥPëP»PëCṬCḷ PīC-Pr PrC-C"Cḥ C†PμC,,C,CḥC-P°PeCṛPsPSCṛ Cṛ
P¶PsPIC†PsPIPëPIC-PrPSPëC... C€P»CḷC...P°C...; PīPsPIC-PrPsPjP»CḷP»Pë PīCḥPs
PīCṬPμPIPṛPsPjPμPjP±CḥP°PSPsP·PSPëPNḥ PμPSC,PμCḥPsPePsP»C-C,,.

P— P±PsPeCḷ PiPμPīP°C,PsP±C-P»C-P°CḥPSPsC— CṬPëCṛC,PμPjPë:
PīCṬPμPIPṛPsC...PsP»PμP»C-C,C-P°P· P¶PsPIC†PSPsPiPs PjC-C...CṛCḥP°,
PīCḥPμC†PëPīC-C,P°C,Pë PeP°P»CḥC†C-C"PIPsC— CṬPsP»C-
C†PμC,,C,CḥC-P°PeCṛPsPSCṛ Cṛ P¶PsPIC†PSPsPjCṛ PjC-C...CṛCḥC- P·
PIC-PrPīPsPIC-PrPSPsCḥ CṬPëPjPīC,PsPjP°C,PëPePsCḥ Cṛ PrC-C,PμPNḥ,
PsP±PsCḥPsC,PSPëPNḥ C...PsP»PμP»C-C,C-P°P· Cṛ PrC-C,PμPNḥ,
PīC-PrPIPëC%PμPSPSCḷ P°PeC,PëPIPSPsCṬC,C- PīPμC†C-PSPePsPIPëC...
C,CḥP°PSCṬP°PjC-PSP°P· C- P»CṛP¶PSPsC— C,,PsCṬC,,P°C,P°P·Pë,
PiC-PīPμCḥP±C-P»C-CḥCṛP±C-PSPμPjC-Cḷ, CḷPrPμCḥPSP° P¶PsPIC,CḷPSPëC†Cḷ.

$P - P \pm PsPeC \acute{z} C \epsilon PeC - C \bar{H} P \ddot{e} C - \ddot{P} i C - PrC \epsilon PeC - C \bar{H} P S P s C - PeP \gg C - C, PePsPIP \ddot{e} P S P \ddot{e} :$
 $C \epsilon PeC - C \bar{H} P S C - PIP \ddot{e} C \acute{I} P \ddot{e} P i P^{\circ} P S P S C \bar{I} ; P^{\circ} P \gg P_{\mu} C \bar{H} P i C - C \ddagger P S P \ddot{e} P N_{\circ} PrP_{\mu} C \bar{H} P j P^{\circ} C, P \ddot{e} C, ;$
 $C \acute{I} PIP_{\mu} C \bar{H} P \pm C - P \bar{I} ; PeC \bar{H} P s P i P \ddot{e} P i B \bar{H}^{\text{TM}} C \bar{I} P S P e P^{\circ} ; P S P^{\circ} P \pm C \bar{H} C \bar{I} P e P \ddot{e}, PIP e P \gg C \bar{H} C \ddagger P^{\circ} C \bar{H} C \ddagger P \ddot{e}$
 $P^{\circ} P S P i C - P s P S P_{\mu} P i C \bar{H} P s C, P \ddot{e} C \ddagger P S P \ddot{e} P N_{\circ} P S P^{\circ} P \pm C \bar{H} C \bar{I} P e ; P i P s C \acute{I} C, C \bar{H} P \ddot{e} P N_{\circ}$
 $P i P_{\mu} P S P_{\mu} C \bar{H} P^{\circ} P \gg C - P \cdot P s PIP^{\circ} P S P \ddot{e} P N_{\circ} P_{\mu} P e P \cdot P^{\circ} P S C, P_{\mu} P j P^{\circ} C, P s P \cdot P S P \ddot{e} P N_{\circ}$
 $P \ddot{I} C \acute{I} C \acute{I} C, C \acute{I} P \gg C \bar{H} P s P \cdot, P_{\mu} P e P \cdot P^{\circ} P S C, P_{\mu} P j P^{\circ} ; P_{\mu} P e C \acute{I} C \acute{I} P r P^{\circ} C, P \ddot{e} PIP S P^{\circ}$
 $P \pm P^{\circ} P i P^{\circ} C, P s C, , P s C \bar{H} P j P S P^{\circ} P_{\mu} C \bar{H} P \ddot{e} C, P_{\mu} P j P^{\circ} ; C \acute{I} P \ddot{e} P S P r C \bar{H} P s P j P \check{Y} C, C - PIP_{\mu} P S C \acute{I} P^{\circ} -$
 $P^{\circ} P \bar{I} P s P S C \acute{I} P s P S P^{\circ} ; C, P s P e C \acute{I} P \ddot{e} C \ddagger P S P \ddot{e} P N_{\circ} P_{\mu} P i C - PrP_{\mu} C \bar{H} P j P^{\circ} P \gg C \bar{H} P S P \ddot{e} P N_{\circ}$
 $P S P_{\mu} P e C \bar{H} P s P \gg C - P \cdot (C \acute{I} P \ddot{e} P S P r C \bar{H} P s P j P \gg P^{\circ} P N_{\circ} C^{\circ} P \gg P^{\circ}).$

$P - P \pm PsPeC \acute{z} P S P \ddot{e} C \bar{H} P s P e C, P^{\circ} C \acute{I} P_{\mu} C \ddagger P s PIP \ddot{e} PrC - P \gg C \bar{H} P S P s C - C \acute{I} P \ddot{e} C \acute{I} C, P_{\mu} P j P \ddot{e} :$
 $B P i C - PrPIP \ddot{e} C \% P_{\mu} P S P S C \bar{I} P e P s P S C \ddagger P_{\mu} P S C, C \bar{H} P^{\circ} C \ddagger C - C - C \acute{I} P_{\mu} C \ddagger P s PIP \ddot{e} P S P \ddot{e} C, P^{\circ}$
 $PeC \bar{H} P_{\mu} P^{\circ} C, P \ddot{e} P S C - P S C \acute{I} P I PeC \bar{H} P s P i C -, P s P \gg C - P i C \acute{I} C \bar{H} C - C \bar{I}, P i P_{\mu} P j P^{\circ} C, C \acute{I} C \bar{H} C - C \bar{I},$
 $P i P \gg C \bar{H} P e P s P \cdot C \acute{I} C \bar{H} C - C \bar{I} ; C \ddagger P \ddot{e} P \gg C - P S P r C \bar{H} C \acute{I} C \bar{H} C - C \bar{I}, C - P S C, P_{\mu} C \bar{H} C \acute{I} C, P \ddot{e} C \ddagger C - P^{\circ} P \gg C \bar{H} P S P \ddot{e} P N_{\circ}$
 $P S P_{\mu} C, , C \bar{H} P \ddot{e} C, .$

$P \acute{k} P_{\mu} P i C \bar{H} P s P \gg P s P i C - C \ddagger P S C - C \bar{H} P s P \cdot P \gg P^{\circ} P r P \ddot{e} : P i P s P \gg P s PIP S P \ddot{e} P N_{\circ} P \pm C - P \gg C \bar{H},$
 $P \cdot P^{\circ} P i P^{\circ} P j P s C \bar{H} P s C \ddagger P_{\mu} P S P S C \bar{I}, C, C \bar{H} P_{\mu} P j P s C \bar{H}, C \acute{I} C \acute{I} P r P s P j P \ddot{e}.$

$P_{\circ} P^{\circ} C \bar{H} P r C - P^{\circ} P \gg C \bar{H} P S C - C \bar{H} P s P \cdot P \gg P^{\circ} P r P \ddot{e} : P i C - PrPIP \ddot{e} C \% P_{\mu} P S P S C \bar{I} P^{\circ} P \pm P s$
 $P \cdot P S P \ddot{e} P \bar{I} P_{\mu} P S P S C \bar{I} P^{\circ} C \bar{H} C, P_{\mu} C \bar{H} C - P^{\circ} P \gg C \bar{H} P S P s P i P s C, P \ddot{e} C \acute{I} P e C \acute{I}, P i C - PrC \ddagger C \acute{I} C, C, C \bar{I}$
 $C \acute{I} P_{\mu} C \bar{H} C \ddagger P_{\mu} P \pm P \ddot{e} C, C, C \bar{I}.$

$P - P \pm PsPeC \acute{z} P s C \bar{H} P i P^{\circ} P S C - P i P r P \ddot{e} C \dots P^{\circ} P S P S C \bar{I}, P i C \bar{H} C \acute{z} P r P S P s C - PeP \gg C - C, PeP \ddot{e} C, P^{\circ}$
 $C \acute{I} P_{\mu} C \bar{H} P_{\mu} P r P s C \acute{I} C, C - P S P S C \bar{I} : P \cdot P^{\circ} P r P \ddot{e} C \epsilon P e P^{\circ}, P \pm C \bar{H} P s P S C \dots P s C \acute{I} P i P^{\circ} P \cdot P j.$

$P - P \pm PsPeC \acute{z} C - P j C \acute{z} P S P S P s C - C \acute{I} P \ddot{e} C \acute{I} C, P_{\mu} P j P \ddot{e} : P^{\circ} P S P^{\circ} C, , C - P \gg P^{\circ} P e C, P \ddot{e} C \ddagger P S C - P^{\circ} P \pm P s$
 $P^{\circ} P S P^{\circ} C, , C - P \gg P^{\circ} P e C, P s C - PrP S C - C \bar{H} P_{\mu} P^{\circ} P e C \ddagger C - C -, P^{\circ} P S P^{\circ} C, , C - P \gg P^{\circ} P e C, P \ddot{e} C \ddagger P S P \ddot{e} P N_{\circ}$
 $C \epsilon P s P e, P i C - P i P_{\mu} C \bar{H} C \ddagger C \acute{I} C, P \gg P \ddot{e} P i C - C \acute{I} C, C \bar{H}.$

$P - P \pm PsPeC \acute{z} P s C \bar{H} P i P^{\circ} P S C - P i C \acute{I} P \gg C \acute{z} C \dots C \acute{z} C - C \bar{H} C - PIP S P s PIP^{\circ} P i P \ddot{e} : PIP_{\mu} C \bar{H} C, P \ddot{e} P i P s.$

$P - P^{\circ} P i P^{\circ} P \gg C \bar{H} P S C - C \bar{H} P s P \cdot P \gg P^{\circ} P r P \ddot{e} : P i C \bar{H} P s P i P^{\circ} C \acute{I} P S P \ddot{e} C \ddagger C \bar{I}, P s P \cdot P S P s P \pm,$
 $C \acute{I} P \ddot{e} C \bar{H} P s PIP^{\circ} C, P e P s PIP^{\circ} C \dots PIP s C \bar{H} P s P \pm P^{\circ}, P S P^{\circ} P \pm C \bar{H} C \bar{I} P e P \ddot{e}, P S P s C \acute{I} P s P i C -$
 $PeC \bar{H} P s PIP s C, P_{\mu} C \ddagger C -, C \acute{I} P \gg P^{\circ} P \pm P e C - C \acute{I} C, C \bar{H}.$

$P_{\circ} C - C \acute{I} C \ddagger P_{\mu} P i C - C \bar{H} P_{\mu} P^{\circ} P e C \ddagger C - C - : P i C \bar{H} P \ddot{e} PIP S C \acute{I} C, C \bar{H} C - C \epsilon P S C \bar{H} P s PIP_{\mu} P S P S P s P j C \acute{I}$
 $PIPI P_{\mu} P r P_{\mu} P S P S C - B \bar{H}^{\circ} C, , P \gg P_{\mu} P \pm C - C, P \ddot{e}, P \pm P s P \gg C \bar{H} C \ddagger C - C \acute{I} C, C \bar{H},$
 $C \acute{I} C \% C - P \gg C \bar{H} P S P_{\mu} P S P S C \bar{I} P i P s C \dots P s P r C \acute{I} PIP_{\mu} P S P \ddot{e} ; P i C \bar{H} P \ddot{e}$
 $PIP S C \acute{I} C, C \bar{H} C - C \epsilon P S C \bar{H} P s P j B \bar{H}^{\text{TM}} C \bar{I} P \cdot P s PIP s P j C \acute{I} PIP_{\mu} P r P_{\mu} P S P S C - B \bar{H}^{\circ}$
 $P \pm P s P \gg C \bar{H} C \ddagger C - C \acute{I} C, C \bar{H} C \acute{I} P j C - C \acute{I} C \ddagger C - PIP_{\mu} P r P_{\mu} P S P S C \bar{I}.$
 $P^{\circ} P S C \acute{I} C, C \bar{H} C - C \epsilon P S C \bar{H} P s P j B \bar{H}^{\text{TM}} C \bar{I} P \cdot P s PIP^{\circ} C - P s B \bar{H}^{\text{TM}} C^{\circ} P e C \ddagger C - C \bar{I} P \pm P_{\mu} P \cdot$
 $P \cdot P^{\circ} C \acute{I} C, P s C \acute{I} C \acute{z} PIP^{\circ} P S P S C \bar{I} P \gg C - PrP s P e P^{\circ} C - P S C \acute{z} P \pm P s P \gg C \bar{H} C \ddagger P^{\circ}.$

$P^{\circ} P i P \gg P \ddot{e} P i P S P^{\circ} C \bar{H} P_{\mu} P \cdot C \acute{z} P \gg C \bar{H} C, P^{\circ} C, P \ddot{e} P \gg P^{\circ} P \pm P s C \bar{H} P^{\circ} C, P s C \bar{H} P S P \ddot{e} C \dots$
 $P^{\circ} P S P^{\circ} P \gg C - P \cdot C - P i.$

$P_{\mu} C - PrPIP \ddot{e} C \% P_{\mu} P S P S C \bar{I} C \bar{H} C - PIP S C \bar{I} P e C \bar{H} P_{\mu} P^{\circ} C, P \ddot{e} P S C - P S C \acute{I} C \acute{I} P e C \bar{H} P s P i C -. P j$
 $P i P s P s P r P \ddot{e} P S P s P e P \ddot{e} C \dots PIP \ddot{e} P i P^{\circ} P r P e P^{\circ} C \dots P i C \bar{H} P \ddot{e} P \gg C - P e C \acute{I} PIP^{\circ} P S P S C -$

PiCḡPμPīP°CḡP°C,PsPj Cr C...PIPsCḡPēC... PjPsP¶CfC,CH PIC-PrP·PSP°C‡P°C,PēCfC¶C C...PēP±PSPs PiPsP·PēC,PēPIPSC- CḡPμP·CrP»CHC,P°C,Pē C,PμCfC,Cr PḡCrPjP±CfP°. PīPe C- C-PSC€C- P°PSC,PēP±C-PsC,PēPePē, PiCḡPμPīP°CḡP°C, PjPsP¶Pμ CfPīCḡPēC‡PēPSC¶C,Pē C...PēP±PSPs PiPsP·PēC,PēPIPSPēPNē CḡPμP·CrP»CHC,P°C, PiCḡPsP±Pē PSP° PiP°P»P°PeC,PsP·PμPjC-Cḡ. PīPēP±PSPs PiPsP·PēC,PēPIPSC- CḡPμP·CrP»CHC,P°C,Pē PjPsP¶CfC,CH P±CfC,Pē PsC,CḡPēPjP°PSC- C- PiCḡPē PIPēP·PSP°C‡PμPSC- PiP»CḡPePsP·Pē Cr CfPμC‡C-, C,PsPjCr PīC-Pr C‡P°Cf P»C-PeCfPIP°PSPSC¶C C‡PμC,,C,CḡPēP°PeCfPsPSCf/CfCfP»CHP±P°PeC,P°PjCr PiP»CḡPePsP·CrCḡC-Cḡ PiCḡPē PSPμPsP±C...C-PrPSPsCfC,C- CfP»C-Pr PIPēP·PSP°C‡P°C,Pē P»PēC€Pμ C,,PμCḡPjPμPSC,PSPēPj PjPμC,PsPrPsPj.

P'PēPīP°PrPePē PrC-P°CḡPμC— PīC-CfP»C¶C P·P°CfC,PsCfCfPIP°PSPSC¶C C‡PμC,,C,CḡC-P°PeCfPsPSCf PjPsP¶CfC,CH P±CfC,Pē PīPsPIBḡ™ C¶P·P°PSC- C-P· *Clostridium difficile*. PŸP»C-Pr PiCḡPēP·PSP°C‡PēC,Pē PIC-PrPīPsPIC-PrPSCf PeC-P»CHPeC-CfC,CH CḡC-PrPēPSPē C,P° PμP»PμPeC,CḡPsP»C-C,C-PI (PrPēPI. CḡPsP·PrC-P» B«PhCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSC¶CB»).

PμCḡPμC‡PēPīC-C,P°C,Pē PeP°P»CHC‡C-C"PIPsC— CfPsP»C- C‡PμC,,C,CḡC-P°PeCfPsPSCž.

P C-PrPeC-CfPSC- PIPēPīP°PrPePē C,C¶P¶PePēC... PSPμP±P°P¶P°PSPēC... CḡPμP°PeC‡C-PNē, C-PSPsPrC- P· P»PμC,P°P»CHPSPēPjPē PSP°CfP»C-PrPeP°PjPē, P·P°CḡPμC" CfC,CḡPsPIP°PSC- Cr PSPμPrPsPSPsC€PμPSPēC... C,P° PrPsPSPsC€PμPSPēC... PSPsPIPsPSP°CḡPsPrP¶PμPSPēC... (PIC-PePsPj < 28 PrPSC-PI), C¶PePēPj PIPSCfC,CḡC-C€PSCḡPsPIPμPSPSPs PIPiPsPrPēP»Pē C‡PμC,,C,CḡC-P°PeCfPsPS C,P° PiCḡPμPīP°CḡP°C,Pē PeP°P»CHC‡C-Cḡ. PμCḡPē P°CfC,PsPīCfC-C— Cr P»PμPiPμPSC¶C... C,P° PSPēCḡPeP°C... P±CfP»Pē PIPēC¶PIP»PμPSC- PiCḡPμC‡PēPīC-C,P°C,Pē PeP°P»CHC‡C-C"PIPsC— CfPsP»C- C‡PμC,,C,CḡC-P°PeCfPsPSCf. P'PēCfPsPePēPNē CḡPēP·PēPe CrC,PIPsCḡPμPSPSC¶C PiCḡPμC‡PēPīC-C,P°C,C-PI Cr PSPsPIPsPSP°CḡPsPrP¶PμPSPēC... C" PSP°CfP»C-PrPePsPj C—C... PjP°P»PsPiPs PsP±Bḡ™ C"PjCr PeCḡPsPIC- C,P° PrPsPIC€PsPiPs, PSC-P¶ Cr PrPsCḡPsCfP»PēC..., PiPμCḡC-PsPrCr PSP°PīC-PIPIPēPIPμPrPμPSPSC¶C C‡PμC,,C,CḡC-P°PeCfPsPSCf (PrPēPI. CḡPsP·PrC-P»Pē B«PμCḡPsC,PēPīPsPeP°P·P°PSPSC¶CB», B«PhCfPsP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSC¶CB»).

P—P°CḡPμC" CfC,CḡPsPIP°PSC- PIPēPīP°PrPePē CrC,PIPsCḡPμPSPSC¶C PiCḡPμC‡PēPīC-C,P°C,C-PI Cr PSPēCḡPeP°C..., PiPsP»PsPIPSPēPj C‡PēPSPsPj Cr PrC-C,PμPNē PIC-PePsPj PIC-Pr 3 CḡPsPeC-PI, C¶PeC- PsC,CḡPēPjCrPIP°P»Pē PIPμP»PēPeC- PrPsP±PsPIC- PrPsP·Pē PiCḡPμPīP°CḡP°C,Cr (≥ 80 PjPi/PePi PSP° PrPsP±Cf), P°P±Ps PeCfPjCrP»C¶C,PēPIPSC- PrPsP·Pē PīPsPSP°Pr 10 Pi, P° C,P°PePsP¶ C¶PeC- PjP°P»Pē PrPsPrP°C,PePsPIC- C,,P°PeC,PsCḡPē CḡPēP·PēPeCf (PsP±PjPμP¶PμPSPμ PIP¶PēPIP°PSPSC¶C CḡC-PrPēPSPē, PīPsCfC,C-P»CHPSPēPNē CḡPμP¶PēPj). P PēP·PēPe CrC,PIPsCḡPμPSPSC¶C PiCḡPμC‡PēPīC-C,P°C,C-PI P·CḡPsCfC,P°C" Cr PīP°C‡C-C"PSC,C-PI, PīPsP·P±P°PIP»PμPSPēC... CḡCrC...P»PēPIPsCfC,C- P°P±Ps Cr C...PIPsCḡPēC... Cr CfC,P°PSC- P·PSPμPIPsPrPSPμPSPSC¶C. PjC,PIPsCḡPμPSPSC¶C PiCḡPμC‡PēPīC-C,P°C,C-PI Cr PSPēCḡPeP°C... PjPsP¶Pμ PiCḡPsC,C-PeP°C,Pē P±PμP·CfPēPjPiC,PsPjPSPs P°P±Ps PiCḡPsC¶PIP»C¶C,PēCfC¶C PeP»C-PSC-C‡PSPs, PjPsP¶Pμ CfPīCḡPēC‡PēPSPēC,Pē PSPēCḡPePsPICf PSPμPrPsCfC,P°C,PSC-CfC,CH, C¶PeP° PjPēPSP°C" PīC-CfP»C¶C PiCḡPēPīPēPSPμPSPSC¶C P»C-PeCfPIP°PSPSC¶C C‡PμC,,C,CḡC-P°PeCfPsPSPsPj.

P—P°CḡPμC" CfC,CḡPsPIP°PSC- PIPēPīP°PrPePē CrC,PIPsCḡPμPSPSC¶C PiCḡPμC‡PēPīC-C,P°C,C-PI PeP°P»CHC‡C-C"PIPsC— CfPsP»C- C‡PμC,,C,CḡC-P°PeCfPsPSCf Cr P¶PsPIC‡PSPsPjCr PjC-C...CrCḡC-, PiPμCḡPμPIP°P¶PSPs Cr PīP°C‡C-C"PSC,C-PI, C¶PePēPj

PĭCĥPμPĭP°CĥP°C, PĭPĭPsPrPēP»Pē Cí PrPsP·P°C..., PĭPēC%PēC... P·P° CĭC,P°PSPPrP°CĥC,PSCí
 CĥPμPePsPjPμPSPPrPsPĭP°PSCí PrPsP·Cí. Pj PrC-C,PμPNē, P·P° PrP°PSPēPjPē
 PĭCĥPsCĭPĭPμPeC,PēPĭPSPēC... PrPsCĭP»C-PrP¶PμPSCĥ, C‡P°CĭC,PsC,P° CíC,PĭPsCĥPμPSPSCĭ
 PĭCĥPμC‡PēPĭC-C,P°C,C-PI PĭCĥPē PĭPSCíC,CĥC-CēPSCĥPsPĭPμPSPSPsPjCí PĭPĭPμPrPμPSPSC-
 PĭCĥPμPĭP°CĥP°C,Cí P±CíP»P° CĥC-P·PSPsCĥ Bĥ“ Cí PrPμCĭPePēC...
 PrPsCĭP»C-PrP¶PμPSPSCĭC... PĭPsPSP°Pr 30 %. PμCĥPē PĭPsPIC-P»CĥPSPsPjCí
 PĭPĭPμPrPμPSPSC- PĭCĥPμPĭP°CĥP°C,Cí (PĭCĥPsC,CĭPĭPsPj 20-30 C...PĭPēP»PēPS)
 C‡P°CĭC,PsC,P° CíC,PĭPsCĥPμPSPSCĭ PĭCĥPμC‡PēPĭC-C,P°C,C-PI, PsC‡PμPĭPēPrPSPs,
 PSPēP¶C‡P°. PjC,PĭPsCĥPμPSPSCĭ PĭCĥPμC‡PēPĭC-C,P°C,C-PI P·P°P·PĭPēC‡P°PNē PSPμ
 CĭCíPĭCĥPsPĭPsPrP¶CíC”C,CĥCĭCĭ CĭPēPjPĭC,PsPjP°PjPē, P°P»Pμ Cí CĥC-PrPeC-CĭPSPēC...
 PĭPēPĭP°PrPeP°C... PĭPēPSPēPeP°P»Pē C,P°PeC- PeP»C-PSC-C‡PSC- CĭPēPjPĭC,PsPjPē CĭPe
 P±C-P»Cĥ, PSCíPrPsC,P° C- P±P»CĥPĭP°PSPSCĭ. Pj C,P°PePēC... PĭPēPĭP°PrPeP°C...
 CĥPμPePsPjPμPSPPrCíC”C,CĥCĭCĭ CĭPēPjPĭC,PsPjP°C,PēC‡PSPμ P»C-PeCíPĭP°PSPSCĭ.
 PμC-CĭP»Cĭ PĭCĥPēPĭPēPSPμPSPSCĭ P·P°CĭC,PsCĭCíPĭP°PSPSCĭ
 C‡PμC,,C,CĥC-P°PeCĭPsPSCí PĭCĥPμC‡PēPĭC-C,P°C,Pē P·P°P·PĭPēC‡P°PNē P·PSPēPeP°CĥC,Cĥ
 (PrPēPI. CĥPsP·PrC-P» B«PĥCĭPsP±P»PēPĭPsCĭC,C- P·P°CĭC,PsCĭCíPĭP°PSPSCĭB»).

PŷPμCĥPjC-PS PĭCĥPēPrP°C,PSPsCĭC,C-.

2 CĥPsPePē.

PjPjPsPĭPē P·P±PμCĥC-PĭP°PSPSCĭ.

P—P±PμCĥC-PĭP°C,Pē PĭCĥPē C,PμPjPĭPμCĥP°C,CíCĥC- PSPμ PĭPēC%Pμ 25 B°Pŷ Cí
 CĭCíC...PsPjCí, P·P°C...PēC%PμPSPsPjCí PIC-Pr CĭPIC-C,P»P° C,P° PSPμPrPsCĭC,CíPĭPSPsPjCí
 PrP»Cĭ PrC-C,PμPNē PjC-CĭC‡C-.

PkPμCĭC¿PjC-CĭPSC-CĭC,Cĥ.

PŷCíP»C-PeCĭPsPSB PSPμ PjPsP¶PSP° P·PjC-CēCíPĭP°C,Pē P·
 PeP°P»CĥC‡C-PNēPĭPjC-CĭPSPēPjPē CĥPsP·C‡PēPSP°PjPē, C,P°PePēPjPē CĭPe
 CĥPsP·C‡PēPS P C-PSPĭPμCĥP° P°P±Ps CĥPsP·C‡PēPS P“P°CĥC,PjP°PSP°.

PĭPμC,,C,CĥC-P°PeCĭPsPS PSPμCĭCíPjC-CĭPSPēPNē P· P°PjCĭP°PeCĥPēPSPsPj,
 PĭP°PSPePsPjC-C‡PēPSPsPj, C,,P»CíPePsPSP°P·PsP»PsPj C,P°
 P°PjC-PSPsPĭP»C-PePsP·PēPrP°PjPē.

PkPμ CĭP»C-Pr P·PjC-CēCíPĭP°C,Pē P· C-PSCēPēPjPē CĥPsP·C‡PēPSPSPēPeP°PjPē, PeCĥC-Pj
 C,PēC..., C%Ps P·P°P·PSP°C‡PμPSC- Cí CĥPsP·PrC-P»C- B«PŷPĭPsCĭC-P±
 P·P°CĭC,PsCĭCíPĭP°PSPSCĭ C,P° PrPsP·PēB».

PJPiP°PePsPIPeP°.

PμPsCḡPsC€PsPe PīPs 1,5 Pi Cí CÍPeP»CıPSPëC... C„P»P°PePsPSP°C... PjC-CÍC,PeC-CÍC,Cḡ 20 PjP», P·P°PeCíPīPsCḡPμPSPëC... PīCḡPsP±PeP°PjPë C,P° PsP±P¶P°C,PëC... P°P»CḡPjC-PSC-C”PIPëPjPë PePsPIPīP°C‡PeP°PjPë P· PīP»P°CÍC,PëPePsPIPëPjPë PeCḡPëC€PeP°PjPë C,PëPīCí B«C„P»C-Pī-PsPīB». PμPs 1 C„P»P°PePsPSCí Cí PeP°CḡC,PsPSPSC-PM PePsCḡPsP±C‡C-.

PљP°C,PμPiPsCḡC-Cı PIC-PrPīCíCÍPeCí.

P—P° CḡPμC‡PμPīC,PsPj.

P’PëCḡPsP±PSPëPe.

P—PμPM€CÍCÍ PαP°CḡPjP°CÍ’CḡC,C-PePμP»CÍ PμPIC,.. P>C,Pr.;

PŸPIC-CÍCÍ PμP°CḡPμPSC,PμCḡP°P»P· P>C,Pr.B B B B B B B B B B B B B B B B

PњC-CÍC‡PμP·PSP°C...PsPrP¶PμPSPSCı PIPëCḡPsP±PSPëPeP° C,P° PN€PsPiPs P°PrCḡPμCÍP° PjC-CÍC‡Cı PīCḡPsPIP°PrP¶PμPSPSCı PrC-CıP»CḡPSPsCÍC,C-.

P”C-P»CḡPSPëC‡Cı B„- 72, P•PμP‡Pμ, C„P°P·P°-1, P”P¶P°CḡPjP°PrP¶CḡPë, P’P°PrPrC-, P P°PN€PsPS-PŸPsP»P°PS,B PıC-PjP°C‡P°P» PμCḡP°PrPμC€, P‡PSPPrC-Cı.;

P®PSC-C, II, PμP»PsC, 402, 412-414 PљPμCḡP°P»P° P‡PSPPrP°CÍC,CḡC-P°P» P‡CÍC,PμPM€C,, P”P‡P”PŸ, PќC-P°Cḡ P’P°PIP»P°, PḡC...PjPμPrP°P±P°Pr, P”CíPrP¶P°CḡP°C,, 382220, P‡PSPPrC-Cı

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