

**PrP»CЦ PjPμPrPëC‡PSPsPiPs P•P°CíC,PsCíCíPIP°PSPSCЦ P»C-PeP°CĤCíCĤPePsPiPs
P•P°CíPsP±Cí**

(Nuvigil^{B®})

[illegible]

PhPeC $\overline{C}$ C-Pj P μ C,,P μ PeC,Cr P $\pm$ P°PrCHbPsC $\overline{C}$ PsC $\overline{C}$ C,C- C- P $\overline{C}$ C-PrPIP $\overline{C}$ C%P μ PSPSC $\overline{C}$
P»PsPePsPjPsC,PsC $\overline{C}$ PSPsC— P°PeC,P $\overline{C}$ PIPSPsC $\overline{C}$ C,C- Cr C,PIP°C $\overline{C}$ P $\overline{C}$ PS, PjPsPrP°C,,C-PSC-P»
PjPsP¶P μ C $\overline{C}$ P $\overline{C}$ PSP $\overline{C}$ C,P $\overline{C}$ P $\overline{C}$ C $\overline{C}$ P $\overline{C}$ C...PsP°PeC,P $\overline{C}$ PIPSc $\overline{C}$ C- P μ PN $\overline{C}$ C,,PsC $\overline{C}$ P $\overline{C}$ C $\overline{C}$ PSC $\overline{C}$ PrC-C $\overline{C}$,
P·PjC-PSP $\overline{C}$ PSP°C $\overline{C}$ C,C $\overline{C}$ PsC $\overline{C}$, PIC-PrC $\overline{C}$ CrC,C,C-PI, PjP $\overline{C}$ C $\overline{C}$ P»P μ PSPSC $\overline{C}$ C- P μ PjPsC $\overline{C}$ C-PN $\overline{C}$,
C,P $\overline{C}$ PiPsPIC- PrP»C $\overline{C}$ C-PSC $\overline{C}$ P $\overline{C}$ C... C $\overline{C}$ C,P $\overline{C}$ PjCrP»C $\overline{C}$ C,PsC $\overline{C}$ C-PI P $\overline{C}$ ¶P $\overline{C}$ Cr P»C $\overline{C}$ PrP $\overline{C}$ PSP $\overline{C}$.
P $\overline{C}$ PsPrP°C,,C-PSC-P» PjP°C" P $\overline{C}$ C-PrPeC $\overline{C}$ C-PiP»C $\overline{C}$ C $\overline{C}$ C $\overline{C}$ C- PIP»P°C $\overline{C}$ C,P $\overline{C}$ IPsC $\overline{C}$ C,C-, CIP $\overline{C}$ C $\overline{C}$ P μ

$\text{P}\acute{\text{K}}\text{C}\acute{\text{r}}\text{P}\text{IC}-\text{PrP}\P\text{P}\acute{\text{e}}\text{P}\gg\text{Cr}^{\text{B}\textcircled{R}}_{150}\text{PjPi/PrPsP}\pm\text{C}\acute{\text{r}}\text{P}^{\circ}\text{P}\pm\text{Ps}\text{P}\ddot{\text{P}}\text{P}\gg\text{P}^{\circ}\text{C}\dagger\text{P}\mu\text{P}\pm\text{Ps}.\text{P}\mu\text{P}^{\circ}\text{C}\dagger\text{C}-\text{C}''\text{PSC},\text{P}\ddot{\text{e}},$
 $\text{C}\ddot{\text{U}}\text{P}\text{eC}-\text{P}\cdot\text{P}^{\circ}\text{C}\acute{\text{I}}\text{C},\text{PsC}\acute{\text{I}}\text{P}\text{PsPIC}\acute{\text{r}}\text{PIP}^{\circ}\text{P}\gg\text{P}\ddot{\text{e}}\text{P}\acute{\text{K}}\text{C}\acute{\text{r}}\text{P}\text{IC}-\text{PrP}\P\text{P}\acute{\text{e}}\text{P}\gg^{\text{B}\textcircled{R}},\text{PIP}\ddot{\text{e}}\text{C}\ddot{\text{U}}\text{PIP}\ddot{\text{e}}\text{P}\gg\text{P}\ddot{\text{e}}$
 $\text{C}\acute{\text{I}}\text{C},\text{P}^{\circ}\text{C},\text{P}\ddot{\text{e}}\text{C}\acute{\text{I}}\text{C},\text{P}\ddot{\text{e}}\text{C}\ddagger\text{PSPs}\text{P}\cdot\text{PSP}^{\circ}\text{C}\ddagger\text{C}\acute{\text{r}}\text{C}\%_{\text{P}\mu}\text{P}\ddot{\text{P}}\text{PsPeC}\text{H}\text{P}^{\circ}\text{C}\%_{\text{P}\mu}\text{PSPSC}\ddot{\text{U}}\text{P}\cdot\text{PrP}^{\circ}\text{C},\text{PSPsC}\acute{\text{I}}\text{C},\text{C}-$
 $\text{P}\ddot{\text{I}}\text{C}-\text{PrC},\text{C}\text{H}\text{P}\ddot{\text{e}}\text{PjC}\acute{\text{r}}\text{PIP}^{\circ}\text{C},\text{P}\ddot{\text{e}}\text{C}\acute{\text{I}}\text{C},\text{P}^{\circ}\text{PS}\text{P}\pm\text{P}^{\circ}\text{PrC}\text{H}\text{PsC}\text{H}\text{PsC}\acute{\text{I}}\text{C},\text{C}-\text{P}\ddot{\text{P}}\text{PsC}\text{H}\text{C}-\text{PIPSC}\ddot{\text{U}}\text{PSPs}\text{P}\cdot$

$\text{P}_{\text{H}}\text{C}-\text{Cl}^{\text{P}}\text{P}\gg\text{Cl}\text{P}\cdot\text{P}^{\circ}\text{Cl}^{\text{C}}, \text{PsCl}^{\text{C}}\text{Cl}^{\text{P}}\text{PIP}^{\circ}\text{PSPSCl}\text{P}\text{PsPrPSPsC}\text{H}^{\text{P}}\text{P}^{\circ}\text{P}\cdot\text{PsPIP}\text{PsC}-\text{C}-$
 $\text{P}\pm\text{P}^{\circ}\text{PiP}^{\circ}\text{C}, \text{PsC}\text{H}^{\text{P}}\text{P}^{\circ}\text{P}\cdot\text{PsPIP}\text{P}\ddot{\text{C}}\dots \text{PiP}_{\text{u}}\text{C}\text{H}^{\text{P}}\text{PsC}\text{H}^{\text{P}}\text{P}^{\circ}\text{P}\gg\text{CHbPSP}\ddot{\text{C}}\dots \text{PrPsP}\cdot\text{P}^{\circ}\text{C}\text{H}^{\text{P}}\text{PjPsPrP}^{\circ}\text{C}_{,,}\text{C}-\text{PSC}-\text{P}\gg$
 $\text{PrP}_{\text{u}}\text{PjPsPSCl}^{\text{C}}, \text{C}\text{H}^{\text{P}}\text{Cr}^{\text{C}}\text{P}\gg\text{C}-\text{PSC}-\text{PN}_{\text{z}}\text{PSCl}^{\text{C}}, \text{PSP}_{\text{u}}\text{P}\cdot\text{P}^{\circ}\text{P}\gg\text{P}_{\text{u}}\text{P}\text{P}\text{PSCl}^{\text{C}}\text{PIC}-\text{Pr}\text{C}\pm\text{P}^{\circ}\text{Cl}^{\text{C}}\text{Cr}$
 $\text{PeC}-\text{PSP}_{\text{u}}\text{C}, \text{P}\ddot{\text{e}}\text{PeCr}^{\text{C}}. \text{P}_{\text{H}}\text{C}-\text{PrPIP}\text{P}\ddot{\text{C}}\text{C}\%_{\text{u}}\text{P}_{\text{u}}\text{PSPSCl}\text{Cl}^{\text{P}}\text{P}\ddot{\text{C}}\text{Cl}^{\text{C}}, \text{P}_{\text{u}}\text{PjPSP}\text{PsC}-\text{P}_{\text{u}}\text{PeCl}^{\text{C}}\text{PiPsP}\cdot\text{P}\ddot{\text{e}}\text{C}\text{C}-\text{C}-$

P»C-PeP°CḡCfCḡPePëPjPë P·P°CfPsP±P°PjPë, CḡPeC- P°PeC,PëPIPSPs
P·PIBḡ™ CḡP·CfCḡC,CHCfCḡ P· PiCḡPsC,PμC—PSP°PjPë, PIP°PḡP°C”C,CHCfCḡ
PjC-PSC-PjP°P»CHPSPëPj.

PḡPμC,P°P±PsP»C-P·Pj

P”P°PSC- *in vitro* C,P° *in vivo* PīPsPeP°P·CfCḡC,CH, C%Ps P°CḡPjPsPrP°C,,C-PSC-P»
PīCḡPsC...PsPrPëC,CH PiC-PrCḡPsP»C-C,PëC±PSPμ PrPμP·P°PjC-PSCrPIP°PSPSCḡ, S-
PsPePëCfP»PμPSPSCḡ C- PiC-PrCḡPsPeCfPëP»CḡPIP°PSPSCḡ P°CḡPsPjP°C,PëC±PSPsPiPs
PeC-P»CHCfCḡ C-P· PīPsPrP°P»CHCëPsCḡ PiP»CḡPeCfCḡPsPSC-PrPSPsCḡ
PePsPSBḡ™ CḡPiP°C†C-C”Cḡ PiC-PrCḡPsPeCfPëP»CHPsPIP°PSPëC... CḡPīPsP»CfPe.

PḡPjC-PrPSPëPNḡ PiC-PrCḡPsP»C-P·C” C”PrPëPSPëPj PSP°PNḡP±C-P»CHCë PIP°PḡP»PëPIPëPj
CëP»CḡC...PsPj PjPμC,P°P±PsP»C-P·PjCf, P° PrCḡCfPiPëPNḡ P·P° P·PSP°C±PμPSPSCḡPj Bḡ” C†Pμ
CfC,PIPsCḡPμPSPSCḡ CḡCfP»CHC,,PsPSCr C†PμCḡPμP· C†PëC,PsC...CḡPsPj P450(CYP)3A4/5.
P†PSCëC- PiCḡPsPrCfPeC,Pë PsPePëCfP»PμPSPSCḡ *in vitro* B CfC,PIPsCḡCḡC,CHCfCḡ
P·P°PSP°PrC,Ps PīPsPIC-P»CHPSPs, C%PsP± PIPëP·PSP°C±PëC,Pë
PIC-PrPīPsPIC-PrP°P»CHPSC- P·P° PSPëC... C,,PμCḡPjPμPSC,Pë. PḡC-P»CHPePë PrPIP°
PjPμC,P°P±PsP»C-C,Pë PrPsCfCḡPiP°CḡC,CH P·PSP°C±PSPsC— PePsPSC†PμPSC,CḡP°C†C-C—
Cf PīP»P°P·PjC- [(R)-PjPsPrP°C,,C-PSC-P»Cf PePëCfP»PsC,P° C- PjPsPrP°C,,C-PSC-P»Cf
CḡCfP»CHC,,PsP].

P”P°PSC- PīCḡPs CḡPsP·PīPsPrC-P», PjPμC,P°P±PsP»C-P·Pj C- PIPëPIPμPrPμPSPSCḡ
PḡCfPIC-PrPḡPëP»Cf^{B®} PIC-PrCḡCfC,PSC-. PḡCḡPsC,Pμ PjPsPrP°C,,C-PSC-P»
PμP»C-PjC-PSCrC”C,CHCfCḡ PīPμCḡPμPIP°PḡPSPs CëP»CḡC...PsPj PjPμC,P°P±PsP»C-P·PjCf Cf
PīPμC†C-PSC†C-, C- PjPμPSCëPμ 10 % PIPëC...C-PrPSPsC— CḡPīPsP»CfPePë
PIPëPrC-P»CḡC”C,CHCfCḡ C-P· CḡPμC†PμCḡ. PḡPμCḡPμP· 11 PrPSC-PI PīC-CḡP»Cḡ
P·P°CḡC,PsCḡCfPIP°PSPSCḡ PrPsP·Pë PIPëP·PSP°C±P°P»Pë 81 % PIPëC...C-PrPSPsC—
CḡP°PrC-PsP°PeC,PëPIPSPsCḡC,C-, PīPμCḡPμPIP°PḡPSPs Cf CḡPμC†C- (80 %
PīPsCḡC-PIPSCḡPSPs P· 1 % Cf PeP°P»C-).

P’PëPIPμPrPμPSPSCḡ

PḡC-CḡP»Cḡ PīPμCḡPsCḡP°P»CHPSPsPiPs P·P°CḡC,PsCḡCfPIP°PSPSCḡ PḡCfPIC-PrPḡPëP»Cf^{B®}
P°CḡPjPsPrP°C,,C-PSC-P» PīPsPeP°P·CfC” PsC±PμPIPëPrPSPμ
PjPsPSPsPμPeCḡPīPsPSPμPSC†C-PNḡPSPμ P·PSPëPḡPμPSPSCḡ PiC-PePsPIPëC...
PīP»P°P·PjP°C,PëC±PSPëC... PePsPSC†PμPSC,CḡP°C†C-PNḡ. PḡC±PμPIPëPrPSPëPNḡ
PeC-PSC†PμPIPëPNḡ t_{1/2} CḡC,P°PSPsPIPëC,CH P±P»PëP·CHPePs 15 PiPsPrPëPS.
PḡPμCḡPsCḡP°P»CHPSPëPNḡ PeP»C-CḡPμPSCḡ PḡCfPIC-PrPḡPëP»Cf^{B®} CḡC,P°PSPsPIPëC,CH
PīCḡPëP±P»PëP·PSPs 33 PjP»/C...PI.

PḡCfPsP±P»PëPIC- PiCḡCḡPiPë PiP°C†C-C”PSC,C-PI

P”C-C,Pë

PḡP°CḡPjP°PePsPeC-PSPμC,PëPeCf P°CḡPjPsPrP°C,,C-PSC-P»Cf Cf PrC-C,PμPNḡ PSPμ
PrPsCḡP»C-PrPḡCfPIP°P»Pë.

P’C-Pe

Pj PeP»C-PSC-C±PSPsPjCf PrPsCḡP»C-PrPḡPμPSPSC- CḡPëCḡC,PμPjPSP°
PμPeCḡPīPsP·PëC†C-Cḡ P°CḡPjPsPrP°C,,C-PSC-P»Cf P±CfP»P° PīCḡPëP±P»PëP·PSPs PSP° 15 %

PIPëC%PsCĤ Cr PïP°C†C-C"PS C,C-PI P»C-C,PSCHbPsPiPs PIC-PeCr (PIC-PePsPj ≥ 65 CĤPsPeC-PI, N=24), C%Ps PIC-PrPïPsPIC-PrP°P»Ps PïCĤPëP±P»PëP·PSPs PSP° 12 % PSPëP¶C‡PsPjCr PïPµCĤPsCĤP°P»CHbPSPsPjCr PeP»C-CĤPµPSCÍCr (CL/F), Cr PïPsCĤC-PIPSCLPSPSC- C-P· PjPsP»PsPrC€PëPjPë CÍCrP±bĤ™C"PeC,P°PjPë (PIC-PePsPj 18bĤ"45 CĤPsPeC-PI, N=25). PŸPëCÍC,PµPjPSP° PµPeCÍPïPsP·PëC†C-CĤ P°CĤPjPsPrP°C,,C-PSC-P»Cr PePëCÍP»PsC,Pë (PjPµC,P°P±PsP»C-C,Cr) P±CrP»P° PIPëC%PsCĤ PïCĤPëP±P»PëP·PSPs PSP° 61 % C- 73 % PIC-PrPïPsPIC-PrPSPs PrP»CĤ C_{max} C,P° AUC_{0-∞} Cr PïPsCĤC-PIPSCLPSPSC- C-P· PjPsP»PsPrC€PëPjPë CÍCrP±bĤ™C"PeC,P°PjPë. PŸPëCÍC,PµPjPSP° PµPeCÍPïPsP·PëC†C-CĤ CÍCrP»CHbC,,PsPSPsPiPsPjPµC,P°P±PsP»C-C,Cr P±CrP»P° PïCĤPëP±P»PëP·PSPs PSP° 20 % PSPëP¶C‡P° Cr PïP°C†C-C"PS C,C-PI P»C-C,PSCHbPsPiPs PIC-PeCr PïPsCĤC-PIPSCLPSPs P· PjPsP»PsPrC€PëPjPë PïP°C†C-C"PS C,P°PjPë. PĥPSP°P»C-P· PïC-PrPïCĤCrPï CÍCrP±bĤ™C"PeC,C-PI P»C-C,PSCHbPsPiPs PIC-PeCr PïPsPeP°P·P°PI, C%Ps CÍCrP±bĤ™C"PeC,Pë PIC-PePsPj ≥ 75 CĤPsPeC-PI C- 65bĤ"74 CĤPsPeC-PI PjP°P»Pë PSPëP¶C‡PëPñ PïPµCĤPsCĤP°P»CHbPSPëPñ PeP»C-CĤPµPSCÍ PIC-PrPïPsPIC-PrPSPs PïCĤPëP±P»PëP·PSPs PSP° 21 % C- 9 % PïCĤPsC,Pë PjPsP»PsPrC€PëC... CÍCrP±bĤ™C"PeC,C-PI. PŸPµCĤPµPrPSCĤ PeC-P»CHbPeC-CÍC,CH Cr PeCĤPsPIC- P±CrP»P° PïCĤPëP±P»PëP·PSPs PSP° 10 % PIPëC%P° Cr CÍCrP±bĤ™C"PeC,C-PI 65bĤ"74 CĤPsPeC-PI (N=17) C- PSP° 27 % PIPëC%P° Cr CÍCrP±bĤ™C"PeC,C-PI ≥ 75 CĤPsPeC-PI (N=7) Cr PïPsCĤC-PIPSCLPSPSC- C-P· PjPsP»PsPrC€PëPjPë CÍCrP±bĤ™C"PeC,P°PjPë. P|C- P·PjC-PSPë PSPµ PIPIP°P¶P°CĤC,CHbCÍCĤ PeP»C-PSC-C‡PSPs P·PSP°C‡CrC%PëPjPë PrP»CĤ PïP°C†C-C"PS C,C-PI P»C-C,PSCHbPsPiPs PIC-PeCr, PïCĤPsC,Pµ, PsCÍPeC-P»CHbPePë PrPµCĤPeC- CÍC,P°CĤC€C- PïP°C†C-C"PS C,Pë PjP°CĤC,CH PIPëC%Cr CÍPµCĤPµPrPSCĤ PePsPSC†PµPSC,CĤP°C†C-CĤ P°CĤPjPsPrP°C,,C-PSC-P»Cr Cr PeCĤPsPIC-, PrP»CĤ PSPëC... CÍP»C-Pr CĤPsP·PiP»CĤPSCrC,Pë P·P°CÍC,PsCÍCrPIP°PSPSCĤ PSPëP¶C‡PëC... PrPsP·.

PŸC,P°C,CH

PµPsPïCrP»CĤC†C-PñPSPëPñ P°PSP°P»C-P· C,,P°CĤPjP°PePsPeC-PSPµC,PëPePë PSPµ CÍPIC-PrC‡PëC,CH PïCĤPs PIPïP»PëPI CÍC,P°C,C- PïP°C†C-C"PS C,P° PSP° C,,P°CĤPjP°PePsPeC-PSPµC,PëPeCr P°CĤPjPsPrP°C,,C-PSC-P»Cr.

P P°CÍPsPIP° PïCĤPëPSP°P»PµP¶PSC-CÍC,CH

P'PïP»PëPI CĤP°CÍPsPiPsC— PïCĤPëPSP°P»PµP¶PSPsCÍC,C- PïP°C†C-C"PS C,P° PSP° C,,P°CĤPjP°PePsPeC-PSPµC,PëPeCr P°CĤPjPsPrP°C,,C-PSC-P»Cr PSPµ PIPëPIC‡P°PICÍCĤ.

PµPsCĤC‡C€PµPSPSCĤ C,,C‡PSPeC†C-C— PSPëCĤPsPe

PJ PrPsCÍP»C-PrP¶PµPSPSC- CĤP°P·PsPiPsC— PrPsP·Pë 200 PjPi PjPsPrP°C,,C-PSC-P»Cr C,CĤP¶PeP° C...CĤPsPSC-C‡PSP° PSPëCĤPePsPIP° PSPµPrPsCÍC,P°C,PS C-CÍC,CH (PeP»C-CĤPµPSCÍ PeCĤPµP°C,PëPSC-PSCr ≤ 20 PjP»/C...PI) PSPµ PIPïP»PëPIP°P»P° P·PSP°C‡CrC%Pµ PSP° C,,P°CĤPjP°PePsPeC-PSPµC,PëPeCr PjPsPrP°C,,C-PSC-P»Cr, PïCĤPsC,Pµ PµPeCÍPïPsP·PëC†C-CĤ PjPsPrP°C,,C-PSC-P»Cr PePëCÍP»PsC,Pë (PjPµC,P°P±PsP»C-C,Cr) P·CĤPsCÍP»P° Cr 9 CĤP°P·C-PI. P†CÍPSCrC" PSPµPrPsCÍC,P°C,PSCHbPs PrP°PSPëC... PrP»CĤ PIPëP·PSP°C‡PµPSPSCĤ P±PµP·PïPµPePë C- PµC,,PµPeC,PëPIPSPsCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSCĤ PkCrPIC-PrP¶PëP»Cr^{B®} (P°CĤPjPsPrP°C,,C-PSC-P»Cr) PïP°C†C-C"PS C,P°Pj P·C- CÍP»P°P±PePëPjPë, PïPsPjC-CĤPSPëPjPë P°P±Ps C,CĤP¶PePëPjPë

БҖ“ PrP»CΠ P»C-PeCpPSP°PSPSCΠ PSP°PrPjC-CҖPSPsC— CҖPsPSP»PөPIPsCҖC,C-,
PiPsPIБҖ™ CΠP·P°PSPsC— P· PiPsPjC-CҖPSPөPj C,P° C,CΠP¶PePөPj C...CҖPsPSC-CҖPSPөPj
PiPsCҖjCҖC€PμPSPSCΠPj CҖPSCҖ (PIPSP°CҖP»C-PrPsPe CҖPsP·P»P°PrCҖ CҖPөPeP»CҖ B«CҖPsPS
БҖ“ P±P°PrCHbPsCҖC-CҖC,CHbB») PiCҖPө PiPsP·PjC-PSPSC-PNө CҖPsP±PsC,C-, PePsP»Pө

PSPμC,,P°CḡPjP°PePsP»PsPiC-C‡PSC- PIC,CḡCḡC‡P°PSPSCḡ C” PSPμCḡCḡPiC-C€PSPëPjPë
P°P±Ps PSPμPrPsC‡C-P»CHPSPëPjPë;

Бḡ” PrP»Cḡ PiC-PrC,CḡPëPjP°PSPSCḡ CḡC,P°PSCḡ P±P°PrCHPsCḡPsCḡC,C- Cḡ
PḡP°C‡C-C”PSC,C-PI P· PSP°PrPjC-CḡPSPsCḡ PrPμPSPSPsCḡ CḡPsPSP»PëPIC-CḡC,Cḡ,
PḡPsPiБḡ™ CḡP·P°PSPsCḡ P· PSP°CḡPePsP»PμPiCḡC-C”Cḡ.

PμCḡPsC,PëPiPsPeP°P·P°PSPSCḡ.

Бḡ” P”C-PḡPμCḡC‡CḡC,P»PëPIC-CḡC,Cḡ PrPs PjPsPrP°C,,C-PSC-P»Cḡ,
P°CḡPjPsPrP°C,,C-PSC-P»Cḡ P°P±Ps PrPs P±CḡPrCH-CḡPePëC... C-PSC€PëC...
PePsPjPḡPsPSPμPSC,C-PI PiCḡPμPḡP°CḡP°C,Cḡ;

Бḡ” P»C-PeP°CḡCḡCHPePëPNḡ P·P°CḡC-P± PiCḡPsC,PëPiPsPeP°P·P°PSPëPNḡ PIP°PiC-C,PSPëPj,
PḡC-PSPeP°Pj, CḡPeC- PḡP»P°PSCḡCḡC,Cḡ PIP°PiC-C,PSC-CḡC,Cḡ, C- PḡC-PSPeP°Pj, CḡPeC-
PjPsPḡCḡC,Cḡ P·P°PIP°PiC-C,PSC-C,Pë (CḡPeC- PSPμ PIPëPePsCḡPëCḡC,PsPICḡCḡC,Cḡ
PμC,,PμPeC,PëPIPSC- P·P°CḡPsP±Pë PePsPSC,CḡP°C‡PμPiC‡C-C—, PrPëPI. CḡPsP·PrC-P»
B«PhCḡPsP±P»PëPIPsCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡ. P·PjP±CḡC-PsC,,PμC,P°P»CHPSP°
C,PsPeCḡPëC‡PSC-CḡC,CḡB»).

P’P·P°C”PjPsPrC-Cḡ P· C-PSC€PëPjPë P»C-PeP°CḡCḡCHPePëPjPë P·P°CḡPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PNḡ.

P PμP·CḡP»CHC,P°C,Pë C-n vitro PiPsPeP°P·P°P»Pë, C%Ps P°CḡPjPsPrP°C,,C-PSC-P»
CḡP»P°P±PePs C-PSPḡCḡPeCḡC” P°PeC,PëPIPSC-CḡC,Cḡ CYP1A2 C-, PjPsPḡP»PëPIPs, CYP3A
P·P°P»PμPḡPSPs PIC-Pr PePsPSC‡PμPSC,CḡP°C‡C-C— C,P° PsP±PsCḡPsC,PSPs C-PSPiC-P±CḡC”
P°PeC,PëPIPSC-CḡC,Cḡ CYP2C19. In vivo P°CḡPjPsPrP°C,,C-PSC-P» C-PSPḡCḡPeCḡC” CYP2B6.
PhCḡPjPsPrP°C,,C-PSC-P» PSPμ PIPḡP»PëPIP°C” PSP° C-PSC€C- C,,PμCḡPjPμPSC,Pë CYP.
P”PsCḡP»C-PrPḡPμPSPSCḡ in vitro PiPsPeP°P·P°P»Ps, C%Ps P°CḡPjPsPrP°C,,C-PSC-P» C”
CḡCḡP±CḡC,CḡP°C,PsPj P-PiP»C-PePsPiCḡPsC,PμC—PSCḡ.

PμPsC,PμPSC‡C-PNḡPSC- PIP·P°C”PjPsPrC-C— P· P»C-PeP°CḡCḡCHPePëPjPë P·P°CḡPsP±P°PjPë,
CḡPeC- C-PSPiC-P±CḡCḡC,Cḡ C‡Pë C-PSPḡCḡPeCḡCḡC,Cḡ C-P·PsC,,PμCḡPjPμPSC,Pë
C‡PëC,PsC...CḡPsPjCḡ P 450 P°P±Ps PjPμC,P°P±PsP»C-P·CḡCḡC,CḡCḡCḡ
C-P·PsC,,PμCḡPjPμPSC,P°PjPë C‡PëC,PsC...CḡPsPjCḡ P 450 C,P° C-PSC€PëPjPë
PiPμC‡C-PSPePsPIPëPjPë C,,PμCḡPjPμPSC,P°PjPë

P‡CḡPSCḡPIP°PSPSCḡ C‡PëCḡP»PμPSPSPëC... C€P»CḡC...C-PI PjPμC,P°P±PsP»C-P·PjCḡ
P°CḡPjPsPrP°C,,C-PSC-P»Cḡ, P° C,P°PePsPḡ C,PSPNḡ C,,P°PeC,, C%Ps
PjPμC,P°P±PsP»C-C‡PSPëPNḡ C€P»CḡC..., PSPμ PiPsPiБḡ™ CḡP·P°PSPëPNḡ P· CYP, C”
PSP°PNḡP±C-P»CHC€ C€PIPëPrPePëPj Cḡ PjPμC,P°P±PsP»C-P·PjC- P°CḡPjPsPrP°C,,C-PSC-P»Cḡ,
CḡPIC-PrC‡P°C,Cḡ, C%Ps C-CḡPSCḡC” PSPëP·CHPeP° PNḡPjPsPIC-CḡPSC-CḡC,Cḡ
P·PSP°C‡PSPsPiPs PIPḡP»PëPICḡ PSP° P·P°PiP°P»CHPSPëPNḡ
C,,P°CḡPjP°PePsPeC-PSPμC,PëC‡PSPëPNḡ PiCḡPsC,,C-P»CH PḡCḡPIC-PrPḡPëP»Cḡ^{B®}
PIPSP°CḡP»C-PrPsPe C-PSPiC-P±CḡPIP°PSPSCḡ CYP PiCḡPë PsPrPSPsC‡P°CḡPSPsPjCḡ
P·P°CḡC,PsCḡCḡPIP°PSPSC- C-PSC€PëC... P»C-PeP°CḡCḡCHPePëC... P·P°CḡPsP±C-PI.

PμCḡPsC,Pμ C‡PμCḡPμP· C‡P°CḡC,PePsPICḡ CḡC‡P°CḡC,Cḡ C,,PμCḡPjPμPSC,C-PI CYP3A Cḡ

PjPμC,P°P±PsP»C-C‡PSC-PNε PμP»C-PjC-PSP°C†C-C— P°CḡPjPsPrP°C,,C-PSC-P»Cř
 PsPrPSPsC‡P°C†PSPëPNε PïCḡPëPNεPsPj PïPsC,CřP¶PSPëC... C-PSPrCřPeC,PsCḡC-PI CYP3A4/5
 (PSP°PïCḡPëPeP»P°Pr PeP°CḡP±P°PjP°P·PμPïC-PSCř, PsPeC†PeP°CḡP±P°P·PμPïC-PSCř,
 C,,PμPSPsP±P°CḡP±C-C,P°P»Cř, C,,PμPSC-C,PsC—PSCř, CḡPëC,,P°P±CřC,PëPSCř,
 CḡPëC,,P°PjPïC-PSCř C- PïCḡPμPïP°CḡP°C,C-PI P·PIC-CḡPsP±PsCḡ) P°P±Ps
 C-PSPiC-P±C-C,PsCḡC-PI CYP3A4/5 (PSP°PïCḡPëPeP»P°Pr C-PSPiC-P±C-C,PsCḡC-PI
 PïCḡPsC,PμP°P·Pë: CḡPëC,PsPSP°PIC-CḡCř, C-PSPrPëPSP°PIC-CḡCř,
 PSPμP»C,,C-PSP°PIC-CḡCř, C†P°PePIC-PSP°PIC-CḡCř; PeP»P°CḡPëC,CḡPsPjC-C†PëPSCř,
 PμCḡPëC,CḡPsPjC-C†PëPSCř, C...P»PsCḡP°PjC,,PμPSC-PePsP»Cř, PePμC,PsPePsPSP°P·PsP»Cř,
 C-C,CḡP°PePsPSP°P·PsP»Cř, PSPμC,,P°P·PsPrPsPSCř, PrPëP»C,C-P°P·PμPjCř C-
 PIPμCḡP°PïP°PjC-P»Cř) PjPsP¶Pμ P·PjC-PSCḡPIP°C,Pë PePsPSC†PμPSC,CḡP°C†C-Cḡ
 P°CḡPjPsPrP°C,,C-PSC-P»Cř Cř PïP»P°P·PjC-.

*PμPsC,PμPSC†C-P°P» PkCžPIC-PrP¶PëP»Cž^{B®} P·PjC-PSCḡPIP°C,Pë PjPμC,P°P±PsP»C-P·Pj
 C-PSCëPëC... P»C-PeP°CḡC†CḡPePëC... P·P°C†PsP±C-PI CëP»C†C...PsPj C-PSPrCžPeC†C-C—
 P°P±Ps PïCḡPëPiPSC-C‡PμPSPSC† C,,PμCḡPjPμPSC,C-PI*

P>C-PeP°CḡC†CḡPeC- P·P°C†PsP±Pë, C%oPs PjPμC,P°P±PsP»C-P·CžCḡC,CḡC†C†C CYP3A4/5

P°P°PSC- C-n vitro PïPsPeP°P·P°P»Pë, C%oPs PjPμC,P°P±PsP»C-C, P°CḡPjPsPrP°C,,C-PSC-P»Cř
 PjPsPrP°C,,C-PSC-P»Cř C†CřP»CḡC,,PsPS C" C†P»P°P±PePëPj C-PSPrCřPeC,PsCḡPsPj
 P°PeC,PëPIPSsC†C,C- CYP3A. Pj PeP»C-PSC-C‡PSPsPjCř PrPsC†P»C-PrP¶PμPSPSC-
 PsPrPSPsC‡P°C†PSPμ P·P°C†C,PsC†CřPIP°PSPSC† PkCřPIC-PrP¶PëP»Cř^{B®} 250 PjPi
 PïCḡPëP·PIPμP»Ps PrPs P·PSPëP¶PμPSPSC† C†PëC†C,PμPjPSPsC— PμPeC†PïPsP·PëC†C-C—
 PjC-PrP°P·PsP»P°PjCř PSP° 32 % PïC-C†P»C† PsPrPSPsCḡP°P·PsPIPsC—
 PïPμCḡPsCḡP°P»CḡPSPsC— PrPsP·Pë 5 PjPi C- PSP° 17 % PïC-C†P»C†
 PsPrPSPsCḡP°P·PsPIPsC— PIPSCřC,CḡC-CëPSCḡPsPIPμPSPSPsC— PrPsP·Pë 2 PjPi.
 P'C-PrPïPsPIC-PrPSPs, CḡC-PIPμPSCḡ Cř PeCḡPsPIC- C- PμC,,PμPeC,PëPIPS-C†C,Cḡ
 P»C-PeP°CḡC†CḡPePëC... P·P°C†PsP±C-PI, C†PeC- C" C†CřP±C†C,CḡP°C,P°PjPë
 C,,PμCḡPjPμPSC,C-PI CYP3A (PSP°PïCḡPëPeP»P°Pr C†C,PμCḡPsC—PrPSPëC...
 PePsPSC,CḡP°C†PμPïC,PëPIC-PI, C†PëPeP»PsC†PïPsCḡPëPSCř, PjC-PrP°P·PsP»P°PjCř C-
 C,CḡPëP°P·PsP»P°PjCř), PjPsP¶Pμ P·PSPëP·PëC,PëC†Cḡ PïC-C†P»C† PïPsC‡P°C,PeCř
 PsPrPSPsC‡P°C†PSPsPiPs P·P°C†C,PsC†CřPIP°PSPSC† PkCřPIC-PrP¶PëP»Cř^{B®}, P° PsC,P¶Pμ,
 PjPsP¶Pμ P±CřC,Pë PïPsC,CḡC-P±PSP° PePsCḡPμPeC†C-C† PrPsP·Pë.

Pj PeP»C-PSC-C‡PSPsPjCř PrPsC†P»C-PrP¶PμPSPSC- PsPrPSPsC‡P°C†PSPμ
 P·P°C†C,PsC†CřPIP°PSPSC† PkCřPIC-PrP¶PëP»Cř^{B®} 250 PjPi C-P·
 PeP°CḡP±P°PjP°P·PμPïC-PSPsPj 400 PjPi/PrPsP±Cř PïCḡPëP·PIPμP»Ps PrPs P·PSPëP¶PμPSPSC†
 C†PμCḡPμPrPSCḡPsC— C†PëC†C,PμPjPSPsC— PμPeC†PïPsP·PëC†C-C—
 PeP°CḡP±P°PjP°P·PμPïC-PSCř PïCḡPëP±P»PëP·PSPs PSP° 25 %. PḡPsP¶Pμ P±CřC,Pë
 PïPsC,CḡC-P±PSP° PePsCḡPμPeC†C-C† PrPsP·Pë PeP°CḡP±P°PjP°P·PμPïC-PSCř PïCḡPë
 PsPrPSPsC‡P°C†PSPsPjCř P·P°C†C,PsC†CřPIP°PSPSC- P· PkCřPIC-PrP¶PëP»PsPj^{B®},
 PsC†PsP±P»PëPIPs PSP° PïPsC‡P°C,PeCř P°P±Ps PïCḡPë PïCḡPëPïPëPSPμPSPSC-
 PsPrPSPsC‡P°C†PSPsPiPs P·P°C†C,PsC†CřPIP°PSPSC† C†PëC... P»C-PeP°CḡC†CḡPePëC...
 P·P°C†PsP±C-PI.

P' PsPeCḡPμPjPsPjCř PeP»C-PSC-C‡PSPsPjCř PrPsC†P»C-PrP¶PμPSPSC-
 PsPrPSPsC‡P°C†PSPëPNε PïCḡPëPNεPsPj PkCřPIC-PrP¶PëP»Cř^{B®} 250 PjPi C-P·
 PePIPμC,C-P°PïC-PSPsPj Cř PrPsP±PsPIC-PNε PrPsP·C- 300Bḡ"600 PjPi PïCḡPëP·PIC-PI PrPs
 P·PSPëP¶PμPSPSC† C†PμCḡPμPrPSCḡPsC— C†PëC†C,PμPjPSPsC— PμPeC†PïPsP·PëC†C-C—
 PePIPμC,C-P°PïC-PSCř PïCḡPëP±P»PëP·PSPs PSP° 29 %. PḡPsCḡPμPïCřPIP°C,Pë PrPsP·Cř PSPμ

PiPsC, C₇C-P±PSPs.

P₄C₇P₆ PiC₇P₆PN₆PsPjC- P· PkC₇PiC-PrP[¶]P₆P»PsPj^{B®} C₇C-PIPSC- C†P₆PeP»PsC₇PiPsC₇P₆PSC₇ C₇ PeC₇PsPIC- PjPsP[¶]C₇C, CH P·PSP₆P·P₆C, P₆C₇CH. P₄C₇P₆ PsPrPSPsC†P°C₇PSPsPjC₇ PiC₇P₆PN₆PsPjC- C†P₆C... P»C-PeP°C₇C₇CHPeP₆C... P·P°C₇PsP±C-PI C₇P»C-Pr PePsPSC, C₇PsP»C₇PIP°C, P₆ PePsPSC†P₄PSC, C₇P°C†C-C₇ C†P₆PeP»PsC₇PiPsC₇P₆PSC₇ C₇ PeC₇PsPIC- C- PiC₇PsPIP₆PrP₆C, P₆ PIC-PrPiPsPIC-PrPSC₇ PePsC₇P₄PeC†C-C₇ PrPsP·P₆ C†P₆PeP»PsC₇PiPsC₇P₆PSC₇.

P>C-PeP°C₇C₇CHPeC- P·P°C₇PsP±P₆, C%Ps PjP₄C, P°P±PsP»C-P·C₇CHC, CHC₇C₇ CYP1A2

P P₄P·C₇P»CHC, P°C, P₆ C-n vitro PiPsPeP°P·P°P»P₆, C%Ps P°C₇PjPsPrP°C,, C-PSC-P» C, P° PN₆PsPiPs PjP₄C, P°P±PsP»C-C, PjPsPrP°C,, C-PSC-P»C₇ C₇C₇P»CHC,, PsPS C" C₇P»P°P±PeP₆PjP₆ C-PSP₇C₇PeC, PsC₇P°PjP₆ CYP1A2 P·P°P»P₄P[¶]PSPs PIC-Pr PePsPSC†P₄PSC, C₇P°C†C-C—. P₄C₇PsC, P₄ C₇ PeP»C-PSC-C†PSPsPjC₇ PrPsC₇P»C-PrP[¶]P₄PSPSC-, PI C₇PePsPjC₇ P·P°C₇C, PsC₇PsPIC₇PIP°P»P₆ C₇Pe PjP°C₇PeP₄C₇PSP₆PN₆ C₇C₇P±C₇C, C₇P°C, PePsC,, P₄C-PS, PSP₄ PIP₆C₇PIP»P₄PSPs P·PSP°C†C₇C%PsPiPs PIP₆P»P₆PIC₇ PSP° P°PeC, P₆PIPSC-C₇C, CH CYP1A2.

P>C-PeP°C₇C₇CHPeC- P·P°C₇PsP±P₆, C%Ps PjP₄C, P°P±PsP»C-P·C₇CHC, CHC₇C₇ CYP2C19

P°P°PSC- C-n vitro PiPsPeP°P·P°P»P₆, C%Ps P°C₇PjPsPrP°C,, C-PSC-P» C- C%P₄ P±C-P»CHC₇PsC₇ PjC-C₇PsC₇ PN₆PsPiPs PjP₄C, P°P±PsP»C-C, PjPsPrP°C,, C-PSC-P»C₇ C₇C₇P»CHC,, PsPS C" PsP±PsC₇PsC, PSP₆PjP₆ C-PSPiC-P±C-C, PsC₇P°PjP₆ P°PeC, P₆PIPSPsC₇C, C- CYP2C19. Pj PeP»C-PSC-C†PSPsPjC₇ PrPsC₇P»C-PrP[¶]P₄PSPSC- PsPrPSPsC†P°C₇PSP₄ P·P°C₇C, PsC₇C₇PIP°PSPSC₇ PkC₇PiC-PrP[¶]P₆P»C₇^{B®} 400 PjPi PiC₇P₆P·PIP₆PrP₆P»Ps PrPs 40 % P·C₇PsC₇C, P°PSPSC₇ P₄PeC₇PiPsP·P₆C†C-C— PsPjP₄PiC₇P°P·PsP»C₇ PiC-C₇P»C₇ PsPrPSPsC₇P°P·PsPIP₆C— PiP₄C₇PsC₇P°P»CHPSPsC— PrPsP·P₆ 40 PjPi PI C₇P₄P·C₇P»CHC, P°C, C- PiPsPjC-C₇PSPsPiPs PiC₇P₆PiPSC-C†P₄PSPSC₇ P°PeC, P₆PIPSPsC₇C, C- CYP2C19. PhC, P[¶]P₄, PjPsP[¶]P₄ P±C₇C, P₆ PiPsC, C₇C-P±PSP₄ P·PSP₆P[¶]P₄PSPSC₇ PrPsP·P₆ PrP₄C₇PeP₆C... P»C-PeP°C₇C₇CHPeP₆C... P·P°C₇PsP±C-PI, C₇PeC- C" C₇C₇P±C₇C, C₇P°C, P°PjP₆ CYP2C19 (PSP°PiC₇P₆PeP»P°Pr C,, P₄PSC-C, PsC—PSC₇, PrC-P°P·P₄PiP°PjC₇, PiC₇PsPiC₇P°PSPsP»PsP»C₇, PsPjP₄PiC₇P°P·PsP»C₇, P₄P·PsPjP₄PiC₇P°P·PsP»C₇ C- PeP»PsPjC-PiC₇P°PjC-PSC₇) PiC₇P₆ PsPrPSPsC†P°C₇PSPsPjC₇ P·P°C₇C, PsC₇C₇PIP°PSPSC- C-P· PkC₇PiC-PrP[¶]P₆P»PsPj^{B®}.

P>C-PeP°C₇C₇CHPeC- P·P°C₇PsP±P₆, C%Ps PjP₄C, P°P±PsP»C-P·C₇CHC, CHC₇C₇ CYP2B6

P°P°PSC- C-n vitro PiPsPeP°P·P°P»P₆, C%Ps C₇P°C†P₄PjC-C†PSP₆PN₆ PjPsPrP°C,, C-PSC-P» C" C₇P»P°P±PeP₆Pj C-PSP₇C₇PeC, PsC₇PsPj P°PeC, P₆PIPSPsC₇C, C- CYP2B6 P·P°P»P₄P[¶]PSPs PIC-Pr PePsPSC†P₄PSC, C₇P°C†C-C—.

P·P·P°C" PjPsPrC-C₇ P· P»C-PeP°C₇C₇CHPeP₆PjP₆ P·P°C₇PsP±P°PjP₆, P°PeC, P₆PIPSP₆PjP₆ C%PsPrPs P₄PkP₇

PhPrPSPsC†P°C₇PSP₄ P·P°C₇C, PsC₇C₇PIP°PSPSC₇ PkC₇PiC-PrP[¶]P₆P»C₇^{B®} P· PePIP₄C, C-P°PiC-PSPsPj P·PSP₆P[¶]C₇PIP°P»Ps C₇P₆C₇C, P₄PjPSC₇ P₄PeC₇PiPsP·P₆C†C-C₇ PePIP₄C, C-P°PiC-PSC₇.

P°P°PSC- C%PsPrPs C₇PiP₄C†P₆C,, C-C†PSP₆C... PIP·P°C" PjPsPrC-PN₆ PkC₇PiC-PrP[¶]P₆P»C₇^{B®} P· C-PSC₇PePjP₆ P»C-PeP°C₇C₇CHPeP₆PjP₆ P·P°C₇PsP±P°PjP₆, P°PeC, P₆PIPSP₆PjP₆ C%PsPrPs P₄PkP₇, PIC-PrC₇C₇C, PSC-. P₄C₇PsC, P₄ PSP° PkC₇PiC-PrP[¶]P₆P»^{B®} PjPsP[¶]PSP°

$P_{\mu}PeCfC, C_{\eta}P^{\circ}P\ddot{P}sP \gg C_{\eta}PIP^{\circ}C, P\ddot{e} C, P^{\circ}PeCf C-PSC, PsC_{\eta}PjP^{\circ}C \dagger C-C_{\eta} C_{\%}PsPrPs$
 $PjPsPrP^{\circ}C, C-PSC-P \gg C_f.$

$PhPrPSPsC \ddagger P^{\circ}CfPSP_{\mu} P \cdot P^{\circ}CfC, PsCfCfPIP^{\circ}PSPSC_{\downarrow} PjPsPrP^{\circ}C, C-PSC-P \gg C_f C-$
 $PjP_{\mu}C, P\ddot{e}P \gg C, P_{\mu}PSC-PrP^{\circ}C, C_f P^{\circ}P \pm Ps PrP_{\mu}PeCfC, C_{\eta}PsP^{\circ}PjC, P_{\mu}C, P^{\circ}PjC-PSC_f PSP_{\mu}$
 $PIP\ddot{e}PeP \gg P\ddot{e}PeP^{\circ}P \gg Ps P \cdot PSP^{\circ}C \ddagger C_f C_{\%}P\ddot{e}C... P \cdot PjC-PS C, P^{\circ}C_{\eta}PjP^{\circ}PePsPeC-PSP_{\mu}C, P\ddot{e}C \ddagger PSPsPiPs$
 $PiC_{\eta}PsC, C-P \gg C_{\eta} PjPsPrP^{\circ}C, C-PSC-P \gg C_f P^{\circ}P \pm Ps P \pm C_f PrC_{\eta}-C_{\downarrow}PePsPiPs P \cdot C \dagger P\ddot{e}C...$
 $CfC, P\ddot{e}PjCfP \gg C_{\downarrow}C, PsC_{\eta}C-PI, C...PsC \ddagger P^{\circ} PICfPjPsPeC, C_fPIP^{\circ}PSPSC_{\downarrow} PjPsPrP^{\circ}C, C-PSC-P \gg C_f$
 $P\ddot{P}sPrPsPIP \P C_fPIP^{\circ}P \gg PsCfC_{\downarrow} PiC_{\eta}P\ddot{e}P \pm P \gg P\ddot{e}P \cdot PSPs PSP^{\circ} PsPrPSC_f PiPsPrP\ddot{e}PSC_f.$

$PhPrPSPsC \ddagger P^{\circ}CfPSP_{\mu} P \cdot P^{\circ}CfC, PsCfCfPIP^{\circ}PSPSC_{\downarrow} PjPsPrP^{\circ}C, C-PSC-P \gg C_f P \cdot$
 $PeP \gg PsPjC-PiC_{\eta}P^{\circ}PjC-PSPsPj PSP_{\mu} P \cdot PjC-PSC_{\eta}PIP^{\circ}P \gg Ps$
 $C, P^{\circ}C_{\eta}PjP^{\circ}PePsPeC-PSP_{\mu}C, P\ddot{e}C \ddagger PSP\ddot{e}PN_{\circ} PiC_{\eta}PsC, C-P \gg C_{\eta} P \P PsPrPSPsPiPs C-P \cdot$
 $P \cdot P^{\circ}CfPsP \pm C-PI. P_{\downarrow}C_{\eta}PsC, P_{\mu} C_f PsPrPSPsPiPs PiP^{\circ}C \dagger C-C''PSC, P^{\circ} C-P \cdot$
 $PSP^{\circ}C_{\eta}PePsP \gg P_{\mu}PiCfC-C''C_{\eta} PiC-Pr C \ddagger P^{\circ}Cf P \gg C-PeCfPIP^{\circ}PSPSC_{\downarrow} PjPsPrP^{\circ}C, C-PSC-P \gg PsPj$
 $P \pm C_f P \gg Ps PIP\ddot{e}C_{\downarrow}PIP \gg P_{\mu}PSPs PiC-PrPIP\ddot{e}C_{\%}P_{\mu}PSPSC_{\downarrow} C_{\eta}C-PIPSC_{\downarrow}$
 $PeP \gg PsPjC-PiC_{\eta}P^{\circ}PjC-PSC_f C- PN_{\circ}PsPiPs P^{\circ}PeC, P\ddot{e}PIPSsPiPs PjP_{\mu}C, P^{\circ}P \pm PsP \gg C-C, C_f$
 $PrP_{\mu}P \cdot PjP_{\mu}C, P\ddot{e}P \gg PeP \gg PsPjC-PiC_{\eta}P^{\circ}PjC-PSC_f.$

$P''P^{\circ}PSC- C_{\%}PsPrPs PIP \cdot P^{\circ}C''PjPsPrC-C- P\acute{C}C_fPIC-PrP \P P\ddot{e}P \gg C_f^{B^{\circ}} P^{\circ}P \pm Ps PjPsPrP^{\circ}C, C-PSC-P \gg C_f$
 $P \cdot C-PSPiC-P \pm C-C, PsC_{\eta}P^{\circ}PjP\ddot{e} PjPsPSPsP^{\circ}PjC-PSPsPeCfP\ddot{e}PrP^{\circ}P \cdot P\ddot{e} (P_{\eta}P_{\eta}Ph)$
 $PIC-PrCfCfC, PSC-. PhC, P \P P_{\mu}, PiC_{\eta}P\ddot{e} PsPrPSPsC \ddagger P^{\circ}CfPSPsPjC_f P \cdot P^{\circ}CfC, PsCfCfPIP^{\circ}PSPSC-$
 $C-PSPiC-P \pm C-C, PsC_{\eta}C-PI P_{\eta}P_{\eta}Ph C- P\acute{C}C_fPIC-PrP \P P\ddot{e}P \gg C_f^{B^{\circ}} C_fP \gg C-Pr PIP\ddot{e}C_{\downarrow}PIP \gg C_{\downarrow}C, P\ddot{e}$
 $PsP \pm P_{\mu}C_{\eta}P_{\mu}P \P PSC-CfC, C_{\eta}.$

$P'P \cdot P^{\circ}C''PjPsPrC-C_{\downarrow} C-P \cdot P-PiP \gg C-PePsPiC_{\eta}PsC, P_{\mu}C-PSPsPj$

$PhPrPSP_{\mu} PrPsCfP \gg C-PrP \P P_{\mu}PSPSC_{\downarrow} in vitro PiPsPeP^{\circ}P \cdot P^{\circ}P \gg Ps, C_{\%}Ps$
 $P^{\circ}C_{\eta}PjPsPrP^{\circ}C, C-PSC-P \gg C'' CfC_fP \pm CfC, C_{\eta}P^{\circ}C, PsPj, PiC_{\eta}PsC, P_{\mu} PSP_{\mu}$
 $C-PSPiC-P \pm C-C, PsC_{\eta}PsPj P -PiP \gg C-PePsPiC_{\eta}PsC, P_{\mu}C-PSC_f. P_{\eta}P \gg C-PSC-C \ddagger PSP\ddot{e}PN_{\circ} PIPiP \gg P\ddot{e}PI$
 $PiC_{\eta}P\ddot{e}PiPSC-C \ddagger P_{\mu}PSPSC_{\downarrow} P -PiP \gg C-PePsPiC_{\eta}PsC, P_{\mu}C-PSC_f PSP^{\circ}$
 $P \pm C-PsPrPsCfC, C_fPiPSC-CfC, C_{\eta} P^{\circ}C_{\eta}PjPsPrP^{\circ}C, C-PSC-P \gg C_f PSP_{\mu}PIC-PrPsPjP\ddot{e}PN_{\circ}.$

$P'P \cdot P^{\circ}C''PjPsPrC-C_{\downarrow} C-P \cdot C-PSC \P P\ddot{e}PjP\ddot{e} P \gg C-PeP^{\circ}C_{\eta}CfC_{\eta}PeP\ddot{e}PjP\ddot{e} P \cdot P^{\circ}CfPsP \pm P^{\circ}PjP\ddot{e}$

$P''P^{\circ}PSC- C_{\%}PsPrPs PIP \cdot P^{\circ}C''PjPsPrC-C- P\acute{C}C_fPIC-PrP \P P\ddot{e}P \gg C_f^{B^{\circ}} C-P \cdot C-PSC \P P\ddot{e}PjP\ddot{e}$
 $P \gg C-PeP^{\circ}C_{\eta}CfC_{\eta}PeP\ddot{e}PjP\ddot{e} P \cdot P^{\circ}CfPsP \pm P^{\circ}PjP\ddot{e} PIC-PrCfCfC, PSC-. P_{\downarrow}C_{\eta}PsC, P_{\mu} PSP^{\circ}$
 $P\acute{C}C_fPIC-PrP \P P\ddot{e}P \gg^{B^{\circ}} PjPsP \P PSP^{\circ} P_{\mu}PeCfC, C_{\eta}P^{\circ}PiPsP \gg C_{\eta}PIP^{\circ}C, P\ddot{e} C, P^{\circ}PeC_f$
 $C-PSC, PsC_{\eta}PjP^{\circ}C \dagger C-C_{\eta} C_{\%}PsPrPs PjPsPrP^{\circ}C, C-PSC-P \gg C_f.$

$PhPrPSPsC \ddagger P^{\circ}CfPSP_{\mu} P \cdot P^{\circ}CfC, PsCfCfPIP^{\circ}PSPSC_{\downarrow} PjPsPrP^{\circ}C, C-PSC-P \gg C_f C-$
 $PIP^{\circ}C_{\eta}C, P^{\circ}C_{\eta}P\ddot{e}PSC_f PSP_{\mu} PIP\ddot{e}PeP \gg P\ddot{e}PeP^{\circ}P \gg Ps P \cdot PSP^{\circ}C \ddagger C_f C_{\%}P\ddot{e}C... P \cdot PjC-PS$
 $PiC_{\eta}PsC, C-P \gg C-PI C, P^{\circ}C_{\eta}PjP^{\circ}PePsPeC-PSP_{\mu}C, P\ddot{e}PeP\ddot{e} (R)- C- (S)-PIP^{\circ}C_{\eta}C, P^{\circ}C_{\eta}P\ddot{e}PSC_f.$
 $P_{\downarrow}C_{\eta}PsC, P_{\mu}, PsCfPeC-P \gg C_{\eta}PeP\ddot{e} C_f C \dagger C_{\eta}PsPjC_f PrPsCfP \gg C-PrP \P P_{\mu}PSPSC-$
 $P \cdot P^{\circ}CfC, PsCfPsPICfPIP^{\circ}P \gg P\ddot{e} C, C-P \gg C_{\eta}PeP\ddot{e} PsPrPSPsC_{\eta}P^{\circ}P \cdot PsPIC_f PrPsP \cdot C_f$
 $PIP^{\circ}C_{\eta}C, P^{\circ}C_{\eta}P\ddot{e}PSC_f, PIP \cdot P^{\circ}C''PjPsPrC-C- PSP_{\mu} PjPsP \P PSP^{\circ} PIP\ddot{e}PeP \gg C_{\eta}C \ddagger P\ddot{e}C, P\ddot{e}. P_{\ddot{y}}PsPjC_f$
 $PiC_{\eta}P\ddot{e} PsPrPSPsC \ddagger P^{\circ}CfPSPsPjC_f P \cdot P^{\circ}CfC, PsCfCfPIP^{\circ}PSPSC- P\acute{C}C_fPIC-PrP \P P\ddot{e}P \gg C_f^{B^{\circ}} C-P \cdot$
 $PIP^{\circ}C_{\eta}C, P^{\circ}C_{\eta}P\ddot{e}PSPsPj CfP \gg C-Pr C_{\eta}PsP \cdot PiP \gg C_{\downarrow}PSC_fC, P\ddot{e} P \pm C-P \gg C_{\eta}C \P C \ddagger P^{\circ}CfC, P\ddot{e}PN_{\circ}$
 $PePsPSC, C_{\eta}PsP \gg C_{\eta} PiC_{\eta}PsC, C_{\eta}PsPjP \pm C-PSPsPiPsPiPs C \ddagger P^{\circ}CfC_f/P_{\eta}P\acute{K}P'.$

PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCáPIP°PSPSCII.

PñCñPjPsPrP°C,,C-PSC-P» бҢ“ C†Pµ PµPSP°PSC,C-PsPjPµCñ CñP°C†PµPjC-C†PSPsPiPs
PjPsPrP°C,,C-PSC-P»Cf. P”PIP° PµPSP°PSC,C-PsPjPµCñPë PjPsPrP°C,,C-PSC-P»Cf PjP°CñC,CH
CñC-P·PSCf C,,P°CñPjP°PePsPeC-PSPµC,PëPeCf. PJ PrPsCñPsCÍP»PëC... P»CñPrPµPNë
PïPµCñC-PsPr PSP°PiC-PIP¶PëC,C,CII P°CñPjPsPrP°C,,C-PSC-P»Cf,
(R)-PµPSP°PSC,C-PsPjPµCñP° PïCñPëP±P»PëP·PSPs CÍ C,CñPë CñP°P·Pë PrPsPICëPëPNë P·P°
PïPµCñC-PsPr PSP°PiC-PIP¶PëC,C,CII (S)-PµPSP°PSC,C-PsPjPµCñP°. P—PSP°C†PµPSPSCII
C†C-C”C— C,,P°CñPjP°PePsPeC-PSPµC,PëC†PSPsC— CñC-P·PSPëC†C- PjC-P¶ PrPIPsPjP°
P·P°CÍPsP±P°PjPë PrP»CII C,CñPëPIP°P»PsCÍC,C- PeP»C-PSC-C†PSPsC— PrC-C—
P·P°P»PëCëP°C”C,CHCÍCII PSPµPIC-PrPsPjPëPj. *Pñ vitro* P°P±Ps *in vivo* PSPµ
PIPëCIIPIP»PµPSPs P¶PsPrPSPëC... PsP·PSP°PeB PIP·P°C”PjPSPsPiPs
PïPµCñPµC,PIPsCñPµPSPSCII (R)- C- (S)-PµPSP°PSC,C-PsPjPµCñC-PI PjPsPrP°C,,C-PSC-P»Cf.

PŷP°PePëPj C†PëPSPsPj, P°CñPjPsPrP°C,,C-PSC-P» C- PjPsPrP°C,,C-PSC-P» PSPµ C”
P±C-PsPµPePIC-PIP°P»PµPSC,PSPëPjPë, P° PsC,P¶Pµ PSPµ C” PIP·P°C”PjPsP·P°PjC-PSPSPëPjPë
(PrPëPI. CñPsP·PrC-P» B«PŷPïPsCÍC-P± P·P°CÍC,PsCÍCfPIP°PSPSCII C,P° PrPsP·PëB»).

*PŷCII¶PePµ PIPëCÍPëPïP°PSPSCII, PIPëP»CñC†P°CñC†Pë CÍPëPSPrCñPsPj PŷC,C-PIPµPSCÍP°
ëҢ“ P”P¶PsPSCÍPsPSP°*

PµCñPs C,CII¶PePµ PIPëCÍPëPïP°PSPSCII, C%Ps PIPëPjP°PiP°P»Ps
PiPsCÍPiC-C,P°P»C-P·P°C†C-C— C- PïCñPëPïPëPSPµPSPSCII P»C-PëCfPIP°PSPSCII,
PïPsPIC-PrPsPjP»CII¶P»PsCÍCII CÍ PrPsCñPsCÍP»PëC... CÍ P·PIбҢ™ CII¶PeCÍ C-P·
PïCñPëPNëPsPjPsPj PкCfPIC-PrP¶PëP»Cf^{B®} (P°CñPjPsPrP°C,,C-PSC-P»Cf) C-
PjPsPrP°C,,C-PSC-P»Cf бҢ“ CñP°C†PµPjC-C†PSPsC— CÍCfPjC-CëC- (S)- C- (R)-
PµPSP°PSC,C-PsPjPµCñC-PI.

PкPµ PIPëPIC†P°P»Pë P·P°CÍC,PsCÍCfPIP°PSPSCII PкCfPIC-PrP¶PëP»Cf^{B®}
PïPµPrC-P°C,CñPëC†PSPëPj PïP°C†C-C”PSC,P°Pj P·P° P±CfPrCH-CII¶PePëC... PïPsPeP°P·P°PSCñ,
C- P·P°CÍC-P± PSPµ P·P°C,PIPµCñPrP¶PµPSPëPNë PrP»CII P·P°CÍC,PsCÍCfPIP°PSPSCII
PrC-C,CII¶Pj P·P° P±CfPrCH-CII¶PePëC... PïPsPeP°P·P°PSCñ.

PJ PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSPSCII... PjPsPrP°C,,C-PSC-P»Cf C†P°CÍC,PsC,P°
PIPëCÍPëPïP°PSPSCII, C%Ps PïCñPëP·PIPsPrPëP»Ps PrPs PïCñPëPïPëPSPµPSPSCII
P»C-PëCfPIP°PSPSCII, CÍC,P°PSPsPIPëP»P° PïCñPëP±P»PëP·PSPs 0,8 % (13 PïP°C†C-C”PSC,C-PI
PSP° 1585) CÍ PrC-C,PµPNë (PIC-PePsPj < 17 CñPsPeC-PI); C†Pµ PIPëCÍPëPïP°PSPSCII
PIPëP»CñC†P°P»Ps 1 PIPëPïP°PrPsPe PjPsP¶P»PëPIPsPiPs CÍPëPSPrCñPsPjCÍ PŷC,C-PIPµPSCÍP°
бҢ“ P”P¶PsPSCÍPsPSP° C- 1 PIPëPïP°PrPsPe PNëPjPsPIC-CñPSPsC—
PjCfP»CHC,PëPsCñPiP°PSPSPsC— CñPµP°PeC†C-C— PiC-PïPµCñC†CfC,P»PëPIPsCÍC,C-.
PñC-P»CHPeP° PIPëPïP°PrPeC-PI P±CfP»Pë P°CÍPsC†C-PNëPsPIP°PSC- C-P·
P»PëC...PsPjP°PSPePsCñ C,P° C-PSCëPëPjPë PïPsCñCfCëPµPSPSCIIpPë (PSP°PïCñPëPeP»P°Pr P·
P±P»CñPIP°PSPSCIIp, P»PµPNëPePsPïPµPSC-C”Cñ). PŷPµCñPµPrPSC-PNë C†P°CÍ PrPs
PïPsCIIPIPë PIPëCÍPëPïP°PSPSCII, C%Ps PïCñPëP·PIPsPrPëP»Ps PrPs PïCñPëPïPëPSPµPSPSCII
P»C-PëCfPIP°PSPSCII, CÍC,P°PSPsPIPëPI 13 PrC-P±. PŷPµCñPµPr 380 PïP°C†C-C”PSC,C-PI-
PrC-C,PµPNë, CII¶PeC- PsC,CñPëPjCfPIP°P»Pë PïP»P°C†PµP±Ps, C,P°PePëC... PIPëPïP°PrPeC-PI
PSPµ PIPëCIIPIP»PµPSPs. PJ PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSPSCII...
PjPsPrP°C,,C-PSC-P»Cf CÍ PrPsCñPsCÍP»PëC... PIPëPïP°PrPeC-PI C,CII¶PePsPiPs
PIPëCÍPëPïP°PSPSCII C,P°PePsP¶ PSPµ PIPëCIIPIP»PµPSPs (0 PSP° 4264 PïP°C†C-C”PSC,Pë).
P—P° PrP°PSPëPjPë PICÍPµCÍPIC-C,PSCHPsPiPs PiPsCÍC,CñPµC”CÍC,CñP°C†C-PNëPSPsPiPs
PrPsCÍPIC-PrCf, CÍ PrPsCñPsCÍP»PëC... C- PrC-C,PµPNë PIPëCIIPIP»PµPSPs CñC-PrPeC-

PIPëPİP°PrPePë C,CİP¶PePsPiPs PIPëCİPëPİP°PSPSCİ P°P±Ps PIPëCİPëPİP°PSPSCİ, C%Ps
P·P°PiCḡPsP¶CİPİP°P»Ps P¶PëC,C,ḡ, PİPeP»ḡCḡP°ḡCḡPë CİPëPSPrCḡPsPj
PŸC,C-PIPµPSCİP° Bḡ“ P”P¶PsPSCİPsPSP°, C,PsPeCİPëCḡPSPëPNë
PµPİC-PrPµCḡPjP°P»ḡḡPSPëPNë PSPµPeCḡPsP»C- P· C- PIPëCİPëPİP°PSPSCİ PSP° CëPeC-CḡC-
P· PµPsP·PëPSPsC,,C-P»C-C”ḡ C,P° CİPëCİC,PµPjPSPëPjPë CİPëPjPİC,PsPjP°PjPë (DRESS).
PµCḡPsC,CİPiPsPj PİPµCḡC-PsPrCİ PİPsCİC,CḡPµC”CİC,CḡP°CİC-PNëPSPsPiPs
P·P°CİC,PsCİCİPİP°PSPSCİ P°CḡPjPsPrP°C,,C-PSC-P»Cİ Cİ PrPsCḡPsCİP»PëC... C-
PsPrPSC-C”C— PrPëC,PëPSPë PİC-PrP·PSP°CḡP°P»PëCİCİ PIPëPİP°PrPePë CİPëPSPrCḡPsPjCİ
PŸC,C-PIPµPSCİP° Bḡ“ P”P¶PsPSCİPsPSP° C,P° C-PSCëPëC... C,CİP¶PePëC...
PIPëCİPëPİP°PSCḡ, CİPe C- PİCḡPë P·P°CİC,PsCİCİPİP°PSPSC- PjPsPrP°C,,C-PSC-P»Cİ,
PİPeP»ḡCḡP°ḡCḡPë PİCİC...PëCḡC- PSP° CëPeC-CḡC- C,P° Pİ CḡPsC,PsPİC-PNë
PİPsCḡPsP¶PSPëPSC-. PµCḡPsC,CİPiPsPj PİPµCḡC-PsPrCİ
PİPsCİC,CḡPµC”CİC,CḡP°CİC-PNëPSPsPiPs P·P°CİC,PsCİCİPİP°PSPSCİ
P°CḡPjPsPrP°C,,C-PSC-P»Cİ CİPİPsCİC,PµCḡC-PİP°PİCİCİ PsPrPëPS PIPëPİP°PrPsPe
CİPëPSPrCḡPsPjCİ PŸC,C-PIPµPSCİP° Bḡ“ P”P¶PsPSCİPsPSP° Cİ PrPëC,PëPSPë.
PµPsPİC-PrPsPjP»CİP»Pë PİCḡPs PsPrPëPS P»PµC,P°P»ḡḡPSPëPNë PIPëPİP°PrPsPe Pİ
CḡPµP·CİP»ḡḡC,P°C,C- PIPëPSPëPePSPµPSPSCİ DRESS, C%Ps CİPİPsCİC,PµCḡC-PİP°PİCİCİ
Pİ C,C-CİPSPsPjCİ CḡP°CİPsPİPsPjCİ P·PİBḡ™ CİP·PeCİ (3 C,PëP¶PSC-) P· PİPsCḡP°C,PePsPj
P»C-PëCİPİP°PSPSCİ P°CḡPjPsPrP°C,,C-PSC-P»PsPj.

PαP°PeC,PsCḡPë-PİCḡPµPrPëPeC,PsCḡPë CḡPëP·PëPeCİ PSP°CİC,P°PSPSCİ P°P±Ps
CİC,CİPİPµPSCİ C,CİP¶PePsCİC,C- PIPëCİPëPİP°PSPSCİ, PİPsPİBḡ™ CİP·P°PSPsPiPs C-P·
P·P°CİC,PsCİCİPİP°PSPSCİPj P°CḡPjPsPrP°C,,C-PSC-P»Cİ P°P±Ps PjPsPrP°C,,C-PSC-P»Cİ,
PSPµPİC-PrPsPjC-. PḡP°PNëP¶Pµ PİCİC- PIPëPİP°PrPePë C,CİP¶PePsPiPs PIPëCİPëPİP°PSPSCİ,
P°CİPsCİC-PNëPsPİP°PSC- C-P· CİPëPjPë P·P°CİPsP±P°PjPë, CİPİPsCİC,PµCḡC-PİP°P»PëCİCİ
PİCḡPsC,CİPiPsPj 1Bḡ“5 C,PëP¶PSC-Pİ PİC-CİP»Cİ PİPsCḡP°C,PeCİ P»C-PëCİPİP°PSPSCİ.
PµCḡPsC,Pµ PİC-CİP»Cİ C,CḡPëPİP°P»PsPiPs P»C-PëCİPİP°PSPSCİ (PSP°PİCḡPëPeP»P°Pr, 3
PjC-CİCİCİC-) C,P°PePsP¶ P±CİP»Pë PİPsPİC-PrPsPjP»PµPSPSCİ PİCḡPs PsPeCḡPµPjC-
PIPëPİP°PrPePë. PŸP°PePëPj CḡPëPSPsPj, P·P° C,CḡPëPİP°P»C-CİC,ḡ P»C-PëCİPİP°PSPSCİ
PSPµ PjPsP¶PSP° PİPµCḡPµPrP±P°CḡPëC,Pë PİPsC,PµPSCİC-PNëPSPëPNë CḡPëP·PëPe, PİCḡPs
CİPePëPNë CİPİC-PrCḡPëC,ḡ PİPµCḡCëP° PİPsCİPİP° PIPëCİPëPİP°PSPSCİ.

PİPsCḡP° PİCḡPë PİCḡPëPNëPsPjC- PḡCİPİC-PrP¶PëP»Cİ^{B®} C,P°PePsP¶ PjPsP¶P»PëPİC-
PrPsP±CḡPsCİPeC-CİPSC- PIPëCİPëPİP°PSPSCİ, PSPµ PjPsP¶PSP° PİPµCḡPµPrP±P°CḡPëC,Pë,
CİPeC- PIPëCİPëPİP°PSPSCİ PIPëCİPİP»CİC,ḡCİCİC C,CİP¶PePëPjPë.
P·C-PrPİPsPİC-PrPSPs, PİCḡPëPNëPsPj PḡCİPİC-PrP¶PëP»Cİ^{B®} CİP»C-Pr PİCḡPëPİPëPSPëC,Pë
PİCḡPë PİPµCḡCëPëC... PsP·PSP°PeP°C... PIPëCİPëPİP°PSPSCİ, PsPeCḡC-Pj PIPëPİP°PrPeC-Pİ,
PePsP»Pë PIPëCİPëPİP°PSPSCİ PSPµ PİPsPİBḡ™ CİP·P°PSPµ C-P· P·P°CİC,PsCİCİPİP°PSPSCİPj
P»C-PëP°CḡCİḡPePsPiPs P·P°CİPsP±Cİ. PµCḡPëPİPëPSPµPSPSCİ P»C-PëCİPİP°PSPSCİ
PjPsP¶Pµ PSPµ PİPsPİPµCḡPµPrPëC,Pë PİPµCḡPµCḡPsCİC,P°PSPSCİ PIPëCİPëPİP°PSPSCİ Cİ
C,P°PePµ, C%Ps P·P°PiCḡPsP¶CİC” P¶PëC,C,ḡ P°P±Ps PIPëPeP»PëPeP°C” PİPsCİC,C-PNëPSCİ
C-PSPİP°P»C-PrPëP·P°CİC-ḡ CḡPë CİPİPsC,PİPsCḡPµPSPSCİ P·PsPİPSC-CëPSPsCİC,C-
PİP°CİC-C”PSC,P°.

*PḡPSPİC-PsPSPµPİCḡPsC,PëCḡPSPëPNë PSP°P±CḡCİPe C- P°PSP°C,,C-P»P°PeC,PsC—PrPSC-
CḡPµP°PeCİC-C—*

PµCḡPë P·P°CİC,PsCİCİPİP°PSPSC- PḡCİPİC-PrP¶PëP»Cİ^{B®} PİC-PrPjC-CḡP°P»PëCİCİ
P°PSPİC-PsPSPµPİCḡPsC,PëCḡPSPëPNë PSP°P±CḡCİPe C- PİC-PİPµCḡCḡCİC,P»PëPİC-CİC,ḡ
(C-P· PIPëCİPëPİP°PSPSCİPj, PrPëCİC,,P°PİC-C”ḡ C- P±CḡPsPSC...PsCİPİP°P·PjPsPj).
PµP°CİC-C”PSC,P°Pj CİP»C-Pr CḡP°PrPëC,Pë PİCḡPëPİPëPSCİC,Pë P»C-PëCİPİP°PSPSCİ C-

PSPµPiP°PNPSPs PiPsPIC-PrPsPjP»CΠC,Pë P»C-PeP°CḡCḡ PiCḡPs P±CfPrCHb-CΠPeC-
PsP·PSP°PePë P°P±Ps CΓPëPjPiC,PsPjPë, C%Ps CΓPIC-PrC‡P°C,CHb PiCḡPs
P°PSPiC-PsPSPµPICḡPsC,PëC‡PSPëPNP PSP°P±CḡCΠPe P°P±Ps P°PSP°C,,C-P»P°PeCΓC-Cḡ
(C,P°PeC- CΠPe PSP°P±CḡCΠPe PsP±P»PëC‡C‡CΠ, PsC‡PµPNb, PiCfP±, CΠP·PëPeP° P°P±Ps
PiPsCḡC,P°PSC-; C,CḡCfPrPSPsC%C- PiCḡPë PePsPIC,P°PSPSC- P°P±Ps PrPëC...P°PSPSC-;
P·P°C...CḡPëPiP»C-CΓC,CHb).

PḡCáP»CHbC,PëPsCḡPiP°PSPSC- CḡPµP°PeC‡C-C— PiC-PiPµCḡC‡CáC,P»PëPiPsCΓC,C-

P'C-PrPjC-C‡P°P»PëCΓCΠ PjCfP»CHbC,PëPsCḡPiP°PSPSC- CḡPµP°PeC‡C-C—
PiC-PiPµCḡC‡CfC,P»PëPiPsCΓC,C-, C%Ps PiPeP»CḡC‡P°P»Pë C%PsPSP°PNPjPµPSC€Pµ
PsPrPëPS P»PµC,P°P»CHbPSPëPNP PiPëPiP°PrPsPe PiCḡPë
PiPsCΓC,CḡPµC"ΓC,CḡP°C‡C-PNpSPsPjCf CΓPiPsCΓC,PµCḡPµP¶PµPSPSC-, PiC-CΓP»CΠ
PiPsC‡P°C,PeCf P·P°CΓC,PsCΓCfPiP°PSPSCΠ PjPsPrP°C,,C-PSC-P»Cf (PjPµPrC-P°PSPSPëPNP
C‡P°CΓ PrPs PiPëCΠPiP»PµPSPSCΠ Bḡ" 13 PrC-P±; PrC-P°PiP°P·PsPS 4Bḡ"33).
PµPsPrC-P±PSPëPj C‡PëPSPsPj PiCḡPsC,CΠPiPsPj PiPµCḡC-PsPrCf
PiPsCΓC,CḡPµC"ΓC,CḡP°C‡C-PNpSPsPiPs P·P°CΓC,PsCΓCfPiP°PSPSCΠ
P°CḡPjPsPrP°C,,C-PSC-P»Cf PiPsPIC-PrPsPjP»CΠP»Pë PiCḡPs PsPrPëPS P»PµC,P°P»CHbPSPëPNP
PiPëPiP°PrPsPe Pi CḡPµP·CfP»CHbC,P°C,C- PiPëPSPëPePSPµPSPSCΠ DRESS. PkPµ PjPsP¶PSP°
PiPëPeP»CḡC‡PëC,Pë P°PSP°P»PsPiC-C‡PSPëPNP CḡPëP·PëPe PjCfP»CHbC,PëPsCḡPiP°PSPSPëC...
CḡPµP°PeC‡C-PNp PiC-PiPµCḡC‡CfC,P»PëPiPsCΓC,C- C%PsPrPs P°CḡPjPsPrP°C,,C-PSC-P»Cf.

PΓPsC‡P° PeC-P»CHbPeC-CΓC,CHb PiPsPIC-PrPsPjP»PµPSCḡ P±CfP»P° PsP±PjPµP¶PµPSP°,
PjPsP¶PSP° CΓC,PIPµCḡPrP¶CfPiP°C,Pë, C%Ps PjCfP»CHbC,PëPsCḡPiP°PSPSC-
CḡPµP°PeC‡C-C— PiC-PiPµCḡC‡CfC,P»PëPiPsCΓC,C- PjPsP¶CfC,CHb PiPëPeP»PëPeP°C,Pë
PiPsCΓPiC-C,P°P»C-P·P°C‡C-Cḡ P°P±Ps P·P°PiCḡPsP¶CfPiP°C,Pë P¶PëC,C,Cḡ. PαP°PeC,PsCḡPë-
PiCḡPµPrPëPeC,PsCḡPë CḡPëP·PëPeCf PiPëPSPëPePSPµPSPSCΠ P°P±Ps CΓC,CfPiPµPSCΠ
C,CΠP¶PePsCΓC,C- PjCfP»CHbC,PëPsCḡPiP°PSPSPëC... CḡPµP°PeC‡C-PNp
PiC-PiPµCḡC‡CfC,P»PëPiPsCΓC,C- PSPµPIC-PrPsPjC-. PhP·PSP°PePë C- CΓPëPjPiC,PsPjPë
C‡CHbPsPiPs CḡPsP·P»P°PrCf P±CfP»Pë CḡC-P·PSC-, PiCḡPsC,Pµ PiP°C‡C-C"°PSC,Pë
P·PiPëC‡P°PNpPSPs, C...PsC‡P° PSPµ PiPëPeP»CḡC‡PSPs, PiPëCΠPiP»CΠP»Pë
P»PëC...PsPjP°PSPeCf C- PiPëCΓPëPiP°PSPSCΠ, P°CΓPsC‡C-PNpPsPiP°PSC- C-P·
CfCḡP°P¶PµPSPSCΠPj C-PSC€PëC... CΓPëCΓC,PµPj PsCḡPiP°PSC-PI. P‡PSC€C-
P°CΓPsC‡C-PNpPsPiP°PSC- PiCḡPsCΠPiPë PiPeP»CḡC‡P°P»Pë PjC-PsPeP°CḡPrPëC,,
PiPµPiP°C,PëC,, PIC-PrC...PëP»PµPSPSCΠ CΓ C,,CfPSPeC‡C-PsPSP°P»CHbPSPëC... C,PµCΓC,P°C...
PiPµC‡C-PSPePë, PiPµPjP°C,PsP»PsPiC-C‡PSC- PIC-PrC...PëP»PµPSPSCΠ (PSP°PiCḡPëPeP»P°Pr
PµPsP·PëPSPsC,,C-P»C-Cḡ, P»PµPNpPePsPiPµPSC-Cḡ, C,CḡPsPjP±PsC‡PëC,PsPiPµPSC-Cḡ),
CΓPiPµCḡP±C-P¶ C- P°CΓC,PµPSC-Cḡ. PhCΓPeC-P»CHbPePë PjCfP»CHbC,PëPsCḡPiP°PSPSP°
PiC-PiPµCḡC‡CfC,P»PëPiC-CΓC,CHb PjP°C" CḡC-P·PSC- PiCḡPsCΠPiPë, PjPsP¶P»PëPiC-
C-PSC€C-, PSPµ PsPiPëCΓP°PSC- C,CfC, CΓPëPjPiC,PsPjPë CΓCḡP°P¶PµPSPSCΠ C-PSC€PëC...
CΓPëCΓC,PµPj PsCḡPiP°PSC-PI.

PµCḡPë PiC-PrPsP·CḡC- PSP° PjCfP»CHbC,PëPsCḡPiP°PSPSC- CḡPµP°PeC‡C-C—
PiC-PiPµCḡC‡CfC,P»PëPiPsCΓC,C- P·P°CΓC,PsCΓCfPiP°PSPSCΠ PkCfPIC-PrP¶PëP»Cf^{B®}
CΓP»C-Pr PiCḡPëPiPëPSPëC,Pë. PΓPsC‡P° PIC-PrCΓCfC,PSC- PiPsPIC-PrPsPjP»PµPSPSCΠ
PiCḡPs PiPëPiP°PrPePë PiPµCḡPµC...CḡPµCΓPSPsC— P°P»PµCḡPiC-C— P· C-PSC€PëPjPë
P»C-PeP°CḡCΓCHbPePëPjPë P·P°CΓPsP±P°PjPë, CΠPeC- PiPëPeP»PëPeP°CḡC,CHb C‡PµPNp
CΓPëPSPrCḡPsPj, PrPsCΓPIC-Pr PNpPsPiPs PiPëPSPëPePSPµPSPSCΠ PiCḡPë PiCḡPëPNpPsPjC-
P»C-PeP°CḡCΓCHbPePëC... P·P°CΓPsP±C-PI, P°CΓPsC‡C-PNpPsPiP°PSPëC... C-P·
PjCfP»CHbC,PëPsCḡPiP°PSPSPsCḡ CḡPµP°PeC‡C-C"ḡ PiC-PiPµCḡC‡CfC,P»PëPiPsCΓC,C-,
PiPeP°P·CfC" PSP° C,P°PeCf PjPsP¶P»PëPiC-CΓC,CHb.

PuPsCfC,C-PN₂PSP° CfPsPSP»PëPIC-CfC,CH

PuP°C+C-C"PSC,P°Pj C-P. P°PSPsPjP°P»CHbPSPsCf CfPsPSP»PëPIC-CfC,CH, CjPeC-
PïCfPëPN₂PjP°CfC,CH PkCfPIC-PrP¶PëP»^{B®}, CfP»C-Pr PïPsPIC-PrPsPjP»CjC,Pë, C%°Ps
C—C...PSC-PN₂ CfC-PIPuPSCb P±P°PrCHbPsCfPsCfC,C- PjPsP¶Pu PSPu
PïPsPIPuCfPSCfC,PëCfCj PrPs PSPsCfPjPë. Pj PïP°C+C-C"PSC,C-PI C-P. PSP°PrPjC-CfPSPsCf
CfPsPSP»PëPIC-CfC,CH, PIPeP»CfC+P°CfC+Pë C,PëC..., C...C,Ps PïCfPëPN₂PjP°C"
PkCfPIC-PrP¶PëP»^{B®}, CfP»C-Pr C+P°CfC,Ps PsC+C-PSCbPIP°C,Pë CfC,CfPïC-PSCH
CfPsPSP»PëPIPsCfC,C- C-, CjPeC%°Ps PrPsC+C-P»CHbPSPs, CfPuPePsPjPuPSPPrCfPIP°C,Pë
C,P°PePëPj PïP°C+C-C"PSC,P°Pj CfC,CfPëPjCfPIP°C,PëCfCj PIC-Pr PePuCfCfPIP°PSPSCj
P°PIC,PsPjPsP±C-P»PuPj C,P° PIC-Pr C-PSC€PsC— PïPsC,PuPSC+C-PN₂PSPs
PSPuP±PuP·PïPuC+PSPsC— PrC-CjP»CHbPSPsCfC,C-. P>C-PeP°CfC-, C%°Ps PjP°CfC,CH
PïCfP°PIPs PïCfPëP·PSP°C+P°C,Pë PIC-PrPïPsPIC-PrPSC- P»C-PeP°CfCfCHbPeC- P·P°CfPsP±Pë,
C,P°PePsP¶ PjP°CfC,CH CfCfPIC-PrPsPjP»CfPIP°C,Pë, C%°Ps PïP°C+C-C"PSC,Pë PjPsP¶CfC,CH
PSPu PIPëP·PSP°PIP°C,Pë CfPIPsCf PSP°PrPjC-CfPSCf CfPsPSP»PëPIC-CfC,CH PrPs
PïCfCjPjPsPiPs PïPëC,P°PSPSCj PïCfPs CfPsPSP»PëPIC-CfC,CH PïC-Pr C+P°Cf PïPuPIPSPëC...
PIPëPrC-PI PrC-CjP»CHbPSPsCfC,C-.

PŸPëPjPiC,PsPjPë P· P±PsPeCé PiCfPëC...C-PePë

Pj PïPuCfPuPrCfPuC"CfC,CfP°C+C-PN₂PSPëC... PePsPSC,CfPsP»CHbPsPIP°PSPëC...
PrPsCfP»C-PrP¶PuPSPSCjC... P·P°CfC,PsCfCfPIP°PSPSCj PkCfPIC-PrP¶PëP»Cf^{B®} PïCfPë
PSP°CfPePsP»PuPïCfC-C—, PŸPhPpP"PŸ C- P¶PuPŸPuP C,CfPëPIPsP¶PSC-CfC,CH,
P°P¶PëC,P°C+C-Cj, PSPuCfPIPsP·PSC-CfC,CH C- PrCfP°C,C-PIP»PëPIC-CfC,CH P±CfP»Pë
PïCfPëC+PëPSP°PjPë PïCfPëPïPëPSPuPSPSCj P»C-PeCfPIP°PSPSCj P±C-P»CHbC€ C+P°CfC,Ps
Cf PïP°C+C-C"PSC,C-PI, CjPeC- P·P°CfC,PsCfPsPICfPIP°P»Pë PkCfPIC-PrP¶PëP»^{B®},
PïPsCfC-PIPSjPSPs P· PïP°C+C-C"PSC,P°PjPë, C%°Ps PïCfPëPN₂PjP°P»Pë PïP»P°C+PuP±Ps
(PkCfPIC-PrP¶PëP»^{B®} бґ" 1,2 % C- PïP»P°C+PuP±Ps бґ" 0,3 %). P"PuPïCfPuCfC-Cj C,P°PePsP¶
P±CfP»P° C+P°CfC,C-C€PsCf PïCfPëC+PëPSPsCf PïCfPëPïPëPSPuPSPSCj
P»C-PeCfPIP°PSPSCj Cf PïP°C+C-C"PSC,C-PI, CjPeC- P·P°CfC,PsCfPsPICfPIP°P»Pë
PkCfPIC-PrP¶PëP»^{B®}, PïPsCfC-PIPSjPSPs P· PïP°C+C-C"PSC,P°PjPë, C%°Ps PïCfPëPN₂PjP°P»Pë
PïP»P°C+PuP±Ps (PkCfPIC-PrP¶PëP»^{B®} бґ" 0,6 % C- PïP»P°C+PuP±Ps бґ" 0,2 %). Pj
PeP»C-PSC-C+PSPëC... PrPsCfP»C-PrP¶PuPSPSCjC... PIC-PrPjC-C+P°P»PëCfCj PIPëPïP°PrPePë
CfCfC—C+PëPrP°P»CHbPSPëC... PrCfPjPsPe.

PŸP»C-Pr PIPëCjPIP»CjC,Pë PsP±PuCfPuP¶PSC-CfC,CH PïCfPë PïCfPëP·PSP°C+PuPSPSC-
PkCfPIC-PrP¶PëP»Cf^{B®} PïP°C+C-C"PSC,P°Pj, CjPeC- PjP°CfC,CH PI P°PSP°PjPSPuP·C-
PïCfPëC...PsP·Pë, PrPuPïCfPuCfC-Cf P°P±Ps PjP°PSC-Cf. PïPeC%°Ps PïCfPë
P·P°CfC,PsCfCfPIP°PSPSC- PkCfPIC-PrP¶PëP»Cf^{B®} P·бґ™ CjPIP»CjC,CHCfCj
CfPëPjPiC,PsPjPë P· P±PsPeCf PïCfPëC...C-PePë, CfP»C-Pr CfPsP·PiP»CjPSCfC,Pë
PrPsC+C-P»CHbPSC-CfC,CH PïCfPëPïPëPSPuPSPSCj P·P°CfC,PsCfCfPIP°PSPSCj
PkCfPIC-PrP¶PëP»Cf^{B®}.

PuPsP±C-C+PSC- CfPuP°PeC+C-C— P· P±PsPeCf PïCfPëC...C-PePë PIC-PrPjC-C+P°P»PëCfCj Cf
PïP°C+C-C"PSC,C-PI, CjPeC- PsC,CfPëPjCfPIP°P»Pë PjPsPrP°C,,C-PSC-P». PhPsPrP°C,,C-PSC-P»
C- P°CfPjPsPrP°C,,C-PSC-P» (PkCfPIC-PrP¶PëP»^{B®}) PrCfP¶Pu CfPïPsCfC-PrPSPuPSC-
CfPïPsP»CfPePë. P'C-PrPïPsPIC-PrPSPs, C+P°CfC,PsC,P° C- C,PëPï CfPëPjPiC,PsPjC-PI P·
P±PsPeCf PïCfPëC...C-PePë, P°CfPsC+C-PN₂PsPIP°PSPëC... C-P· PkCfPIC-PrP¶PëP»PsPj^{B®},
PsC+C-PeCfCfC,CHCfCj P°PSP°P»PsPiC-C+PSPëPjPë C+P°CfC,PsC,C- C- C,PëPïCf C+PëC...
PïPsPrC-PN₂, P°CfPsC+C-PN₂PsPIP°PSPëC... C-P· PjPsPrP°C,,C-PSC-P»PsPj.
PuPsCfC,CfPuP"CfC,CfP°C+C-PN₂PSC- PïPsP±C-C+PSC- CfPuP°PeC+C-C—,

P°CÍPsC†C-PN̄PsPIP°PSC- C-P· PíCĤPēPN̄PsPjPsPj PjPsPrP°C,,C-PSC-P»Cf, PIPeP»CĤC†P°P»Pē
 PjP°PSC-CĤ, PjP°CÍC†PSC- C-PrPμC—, PiP°P»CĤC†PēPSP°C†C-C—, CÍCfC—C†PēPrP°P»CĤPSPμ
 PjPēCÍP»PμPSPSCÍ C- P°PiCĤPμCÍC-CĤ, C%Ps PI PrPμCÍPePēC... PIPēPīP°PrPeP°C...
 PíCĤPēP·PIPsPrPēP»Pē PrPs PiPsCÍPīC-C,P°P»C-P·P°C†C-C—.
 PμPsCÍC,CĤPμC”CÍC,CĤP°C†C-PN̄PSC- PīPsP±C-C†PSC- CĤPμP°PeC†C-C—,
 P°CÍPsC†C-PN̄PsPIP°PSC- C-P· PíCĤPēPN̄PsPjPsPj P°CĤPjPsPrP°C,,C-PSC-P»Cf,
 PIPeP»CĤC†P°P»Pē CÍCfC—C†PēPrP°P»CĤPSPμ PjPēCÍP»PμPSPSCÍ, P°PiCĤPμCÍC-CĤ C-
 C,P°PePsP¶ PIPēPīP°PrPePē PjP°PSC-C—, C%Ps C-PSPsPrC- PíCĤPēP·PIPsPrPēP»Pē PrPs
 PiPsCÍPīC-C,P°P»C-P·P°C†C-C—. P’P°PiP°C,Ps C-P· C,P°PePēC... PīP°C†C-C”PSC,C-PI,
 PíCĤPSC,Pμ PSPμ PICÍC-, PjP°P»Pē PíCÍPēC...C-C†PSC- CĤPsP·P»P°PrPē PI P°PSP°PjPSPμP·C-.
 PJ PsPrPSPsPiPs P·PrPsCĤPsPIPsPiPs PrPsP±CĤPsPIPsP»CĤC†CÍ C†PsP»PsPIC-C†PsC—
 CÍC,P°C,C- CĤPsP·PIPēPSCfP»PēCÍCĤ C-PrPμC— PIC-PrPSPsCÍPēPSPē,
 PīP°CĤP°PSPsC—PrP°P»CĤPSC- PjP°CÍC†PSC- CÍCÍPIP»PμPSPSCÍ C- CÍP»CfC...PsPIC-
 PiP°P»CĤC†PēPSP°C†C-C— PíC-CÍP»CÍ P±P°PiP°C,PsCĤP°P·PsPIPēC... PrPsP±PsPIPēC... PrPsP·
 600 PjPi PjPsPrP°C,,C-PSC-P»Cf, P°CÍPsC†C-PN̄PsPIP°PSPēC... C-P· PrPμPíCĤPēPīP°C†C-C”CĤ
 CÍPSCf. P§PμCĤPμP· 36 PiPsPrPēPS PíC-CÍP»CÍ PíCĤPēPīPēPSPμPSPSCÍ PíCĤPēPN̄PsPjCf
 PíCĤPμPīP°CĤP°C,Cf PsP·PSP°PePē PíCÍPēC...PsP·Cf P·PSPēPeP»Pē.

PŸPμCĤC†PμPIPs-CÍCžPrPēPSPSP° CÍPēCÍC,PμPjP°

PkPμ PrPsCÍP»C-PrP¶CfPIP°P»Pē PrPsCÍC,P°C,PSCHPsCĤ PjC-CĤPsCĤ
 P·P°CÍC,PsCÍCfPIP°PSPSCÍ PkCfPIC-PrP¶PēP»Cf^{B®} PīP°C†C-C”PSC,P°Pj C-P· PSPμPrP°PIPSC-Pj
 C-PSC,,P°CĤPeC,PsPj PjC-PsPeP°CĤPrP° PI P°PSP°PjPSPμP·C- P°P±Ps
 PSPμCÍC,P°P±C-P»CĤPSPsCĤ CÍC,PμPSPsPeP°CĤPrC-C”CĤ, PsC,P¶Pμ, C,P°PePēC...
 PīP°C†C-C”PSC,C-PI CÍP»C-Pr P»C-PeCfPIP°C,Pē P· PsP±PμCĤPμP¶PSC-CÍC,CĤ.

PJ PeP»C-PSC-C†PSPēC... PrPsCÍP»C-PrP¶PμPSPSCÍC... PjPsPrP°C,,C-PSC-P»Cf
 PIC-PrPjC-C†P°P»PēCÍCÍ CÍPμCĤC†PμPIPs-CÍCfPrPēPSPSC- PīPsP±C-C†PSC-
 CĤPμP°PeC†C-C—, C%Ps PIPeP»CĤC†P°P»Pē P±C-P»CĤ CÍ PíCĤCfPrCÍC...,
 PīP°P»CĤPīC-C,P°C†C-CĤ, PrPēCÍPīPSPsPμ C- C,CĤP°PSP·PēC,PsCĤPSC- C-CēPμPjC-C†PSC-
 P·PjC-PSPē PŸ·P·CfP±C†CÍ PSP° P·PμP”, CÍPeC- CÍ C,CĤCHPsC... CÍCfP±BĤ™ C”PeC,C-PI
 P±CfP»Pē P°CÍPsC†C-PN̄PsPIP°PSC- C-P· PíCĤPsP»P°PíCÍPsPj PjC-C,CĤP°P»CĤPSPsPiPs
 PeP»P°PīP°PSP° P°P±Ps PiC-PīPμCĤC,CĤPsC,,C-C”CĤ P»C-PIPsPiPs CēP»CfPSPsC†PeP°.
 PŸP°P±P»PμC,PePē PkCfPIC-PrP¶PēP»^{B®} PSPμ CĤPμPePsPjPμPSPrCfC”C,CĤCÍCÍ
 P·P°CÍC,PsCÍPsPICfPIP°C,Pē PīP°C†C-C”PSC,P°Pj C-P· PiC-PīPμCĤC,CĤPsC,,C-C”CĤ
 P»C-PIPsPiPs CēP»CfPSPsC†PeP° PI P°PSP°PjPSPμP·C- P°P±Ps PīP°C†C-C”PSC,P°Pj C-P·
 PíCĤPsP»P°PíCÍPsPj PjC-C,CĤP°P»CĤPSPsPiPs PeP»P°PīP°PSP°, CÍ CÍPePēC...
 PIC-PrPjC-C†P°PICÍCÍ CÍPēPSPrCĤPsPj PíCĤPsP»P°PíCÍCf PjC-C,CĤP°P»CĤPSPsPiPs
 PeP»P°PīP°PSP° PíCĤPē PiPsPīPμCĤPμPrPSCĤPsPjCf PíCĤPēPN̄PsPjC-
 CÍC,PēPjCfP»CÍC,PsCĤC-PI PíPkPŸ. PμCĤPs PíCĤPsP»P°PíCÍ PjC-C,CĤP°P»CĤPSPsPiPs
 PeP»P°PīP°PSP° CÍPIC-PrC†P°C,CH C,P°PeC- CĤPμP·CfP»CĤC,P°C,Pē (PIPeP»CĤC†PSPs C-P·
 C-PSCēPēPjPē), CÍPe C-CēPμPjC-C†PSC- P·PjC-PSPē P·PμP”, P±C-P»CĤ CÍ PíCĤCfPrCÍC...
 P°P±Ps P°CĤPēC,PjC-CÍ. PμCĤPē PSPsPIPēC... PμPīC-P·PsPrP°C... P±CfPrCH-CÍPePsPiPs C-P·
 C†PēC... CÍPēPjPiC,PsPjC-PI CÍP»C-Pr CĤPsP·PiP»CÍPSCfC,Pē PjPsP¶P»PēPIC-CÍC,CĤ
 PeP°CĤPrC-PsP»PsPiC-C†PSPsC— PsC†C-PSPēPē.

PμPsPSC-C,PsCĤPēPSPi P°CĤC,PμCĤC-P°P»CĤPSPsPiPs C,PēCÍPeCf CÍ
 PePsCĤPsC,PePsCÍC,CĤPsPePsPIPēC... (≤ 3 PjC-CÍCÍC†C-PI)
 PīPμCĤPμPrCĤPμC”CÍC,CĤP°C†C-PN̄PSPēC... PePsPSC,CĤPsP»CĤPsPIP°PSPēC...
 PrPsCÍP»C-PrP¶PμPSPSCÍC... P·P°CÍC,PsCÍCfPIP°PSPSCÍ PíCĤPμPīP°CĤP°C,CÍ PíCĤPē
 PŸPμPjP”PŸ, PíPμPŸPμP C- PSP°CĤPePsP»PμPíCÍC-C— PīPsPeP°P·P°PI PSPμP·PSP°C†PSPμ

PiC-PrPIPëC%PµPSPSCl CÍPµCĤPµPrPSCĤPsPiPs CÍPëCÍC,PsP»C-CþPSPsPiPs C-PrC-P°CÍC,PsP»C-CþPSPsPiPs P°CĤC,PµCĤC-P°P»CHPSPsPiPs C,PëCÍPeCr Cr PIP°C†C-C"PSC,C-PI, CŬPeC- P·P°CÍC,PsCÍPsPICrPIP°P»Pë PkCÍPIC-PrP¶PëP»^{B®}, PİPsCĤC-PIPSCŬPSPs P· PIP°C†C-C"PSC,P°PjPë, CŬPeC- PİCĤPëPNëPjP°P»Pë PİP»P°C†PµP±Ps (PIC-Pr 1,2 PrPs 4,3 PjPj CĤC,. CÍC,. Cr CĤC-P·PSPëC... PµPeCÍPİPµCĤPëPjPµPSC,P°P»CHPSPëC... PiCĤCrPİP°C...). PÿP°PePsP¶ PSPµP·PSP°CþPSPs P±C-P»CHCëP° CþP°CÍC,PeP° PİP°C†C-C"PSC,C-PI, CŬPeC- P·P°CÍC,PsCÍPsPICrPIP°P»Pë PkCÍPIC-PrP¶PëP»^{B®}, PİPsC,CĤPµP±CrPIP°P»P° PİCĤPëP·PSP°CþPµPSPSCl P°PSC,PëPiC-PİPµCĤC,PµPSP·PëPIPSPëC... P·P°CÍPsP±C-PI P°P±Ps P·P±C-P»CHCëPµPSPSCl PrPsP·CrPIP°PSPSCl P°PSC,PëPiC-PİPµCĤC,PµPSP·PëPIPSPëC... P·P°CÍPsP±C-PI (2,9 %) Cr PİPsCĤC-PIPSCŬPSPSC- C-P· PIP°C†C-C"PSC,P°PjPë, CŬPeC- P·P°CÍC,PsCÍPsPICrPIP°P»Pë PİP»P°C†PµP±Ps (1,8 %). Pj PİPµCĤPµPrCĤPµC"CÍC,CĤP°C†C-PNëPSPëC... PePsPSC,CĤPsP»CHPsPIP°PSPëC... PrPsCÍP»C-PrP¶PµPSPSClC... P±CrP»Ps PIPëCŬPIP»PµPSPs PjP°P»Pµ, PİCĤPsC,Pµ CÍC,P°P±C-P»CHPSPµ CÍPµCĤPµPrPSC" PiC-PrPIPëC%PµPSPSCl CþP°CÍC,PsC,Pë PİCrP»CHCÍCr PİPsCĤC-PIPSCŬPSPs P· PIP°C†C-C"PSC,P°PjPë, C%Ps PİCĤPëPNëPjP°P»Pë PİP»P°C†PµP±Ps. PİPµ PiC-PrPIPëC%PµPSPSCl PePsP»PëPIP°P»PsCÍCH PIC-Pr 0,9 PrPs 3,5 CrPrP°CĤCr PSP° C...PIPëP»PëPSCr. P"P»CŬ PİP°C†C-C"PSC,C-PI, C%Ps PsC,CĤPëPjCrCĤC,CH PkCÍPIC-PrP¶PëP»^{B®}, PjPsP¶Pµ P±CrC,Pë PrPsC†C-P»CHPSPëPj PjPsPSC-C,PsCĤPëPSPi PşPÿPÿ C- P°CĤC,PµCĤC-P°P»CHPSPsPiPs C,PëCÍPeCr. PÿP»C-Pr PIPëCŬPIP»CŬC,Pë PsP±PµCĤPµP¶PSC-CÍC,CH PİCĤPë PİCĤPëP·PSP°CþPµPSPSC- PkCÍPIC-PrP¶PëP»Cr^{B®} PİP°C†C-C"PSC,P°Pj C-P· PIC-PrPsPjPsCĤ CÍPµCĤC†PµPIPs-CÍCrPrPëPSPSPsCĤ C...PIPsCĤPsP±PsCĤ.

P·PjP±CĤC-PsC,,PµC,P°P»CHPSP° C,PsPeCÍPëCþPSC-CÍC,CH

P—PiC-PrPSPs P· PİPsCÍC,CĤPµC"CÍC,CĤP°C†C-PNëPSPëPjPë PİPsPIC-PrPsPjP»PµPSPSClPjPë P°CĤPjPsPrP°C,,C-PSC-P» PjPsP¶Pµ PIPëCŬPIP»CŬC,Pë PSPµPiP°C,PëPIPSPëPNë PİPİP»PëPI PSP° PİP»C-Pr C- PİCĤPsC,PëPİPsPeP°P·P°PSPëPNë PrP»CŬ P·P°CÍC,PsCÍCrPIP°PSPSCl PIP°PiC-C,PSPëPj P°P±Ps P¶C-PSPeP°Pj, CŬPeC- PjPsP¶CrC,CH P·P°PIP°PiC-C,PSC-C,Pë (PrPëPI. CĤPsP·PrC-P»Pë B«PµCĤPsC,PëPİPsPeP°P·P°PSPSClB», B«P—P°CÍC,PsCÍCrPIP°PSPSCl Cr PİPµCĤC-PsPr PIP°PiC-C,PSPsCÍC,C- P°P±Ps PİPsPrCrPIP°PSPSCl PiCĤCrPrPrCĤB»). P-C-PSPePë, CŬPeC- P·PrP°C,PSC- PSP°CĤPsPrP¶CrPIP°C,Pë PrC-C,PµPNë, PİPsPIPëPSPSC- PjP°C,Pë PSPµPiP°C,PëPIPSPëPNë CĤPµP·CrP»CHC,P°C, C,PµCÍC,Cr PSP° PIP°PiC-C,PSC-CÍC,CH PİCĤPsC,CŬPiPsPj C,PëP¶PSCl PrPs PİPsCþP°C,PeCr P»C-PeCrPIP°PSPSCl P°CĤPjPsPrP°C,,C-PSC-P»PsPj. Pj PİPsCÍC,CĤPµC"CÍC,CĤP°C†C-PNëPSPëC... PİPsPIC-PrPsPjP»PµPSPSClC... P·P°CÍC,PsCÍCrPIP°PSPSCl P°CĤPjPsPrP°C,,C-PSC-P»Cr PİC-Pr CþP°CÍ PIP°PiC-C,PSPsCÍC,C- P±CrP»Ps PİPsPIBĤ™ CŬP·P°PSPµ P· PIPëPİP°PrPeP°PjPë CÍPµCĤPNëPsP·PSPëC... PİCĤPsPrP¶PµPSPëC... P°PSPsPjP°P»C-PNë (PSP°PİCĤPëPeP»P°Pr PİCĤPsPrP¶PµPSPëC... P°PSPsPjP°P»C-PNë CÍPµCĤC†CŬ, PjC-PeCĤPsC†PµC,,P°P»C-C—).

PkPµPsP±C...C-PrPSPs PİPsPIC-PrPsPjP»CŬC,Pë PIP°PiC-C,PSPëC... PİCĤPs PjPsP¶P»PëPIPëPNë CĤPëP·PëPe PrP»CŬ PİP»PsPrP°. PÿP»C-Pr CĤPµPePsPjPµPSPPrCrPIP°C,Pë P¶C-PSPeP°Pj, P·PrP°C,PSPëPj PrPs PrC-C,PsPSP°CĤPsPrP¶PµPSPSCl, PIPëPePsCĤPëCÍC,PsPICrPIP°C,Pë PµC,,PµPeC,PëPIPSCr PePsPSC,CĤP°C†PµPiC†C-CĤ PI PİPµCĤC-PsPr C,PµCĤP°PiC-C— P°CĤPjPsPrP°C,,C-PSC-P»PsPj C,P° PİCĤPsC,CŬPiPsPj PjC-CÍCŬC†CŬ PİC-CÍP»CŬ PİCĤPëPİPëPSPµPSPSCl P»C-PeCrPIP°PSPSCl P°CĤPjPsPrP°C,,C-PSC-P»PsPj.

PµP°C†C-C"PSC,Pë (P¶C-PSPePë), C%Ps P·P°CÍC,PsCÍPsPICéCĤC,CH

PePsPSC, CḡP°C†PμPīC†C-Cḡ

PμPμCḡPμPr PīPsC†P°C, PePsPj P·P°CḡC, PsCḡCḡPIP°PSPSCḡ PkCḡPIC-PrPḡPēP»Cḡ^{B®}
CḡPμPeCḡCḡP°P»CHbPSPs P°PeC, PēPIPSpēPj PḡC-PSPeP°Pj, CḡPeC- P·PrP°C, PSC-
PSP°CḡPsPrPḡCḡPIP°C, Pē PrC-C, PμPNē, PSPμPsP±C...C-PrPSPs PīPsC†P°C, Pē
P·P°CḡC, PsCḡPsPICḡPIP°C, Pē P·P°CḡPsP±Pē PePsPSC, CḡP°C†PμPīC†C-C—.
P·C,, PμPeC, PēPIPSC-CḡC, CH CḡC, PμCḡPsC—PrPSPēC... PePsPSC, CḡP°C†PμPīC, PēPIC-PI
(PIPeP»CḡC†P°CḡC†Pē PīCḡPsC, PēP·P°PīP»C-PrPSC- C, P°P±P»PμC, PePē, C-PjPīP»P°PSC, P°C, Pē,
C-PSbḡ™ C”PeC†C-PNēPSC- PīCḡPμPīP°CḡP°C, Pē C, P° PIPSCḡC, CḡC-CēPSCḡPsPjP°C, PePsPIC-
P·P°CḡPsP±Pē, C%Ps PIPēPIC-P»CHbPSCḡCḡC, CH PīPsCḡPjPsPSPē) PjPsPḡPμ P±CḡC, Pē
P·PSPēPḡPμPSP° PSP° C,, PsPSC- PīCḡPēPNēPsPjCḡ PkCḡPIC-PrPḡPēP»Cḡ^{B®} C- PīCḡPsC, CḡPīPsPj
PrPIPsC... PjC-CḡCḡC†C-PI PīC-CḡP»Cḡ PīCḡPēPīPēPSPμPSPSCḡ P»C-PeCḡPIP°PSPSCḡ (PrPēPI.
CḡPsP·PrC-P» B«P’P·P°C”PjPsPrC-Cḡ P· C-PSCēPēPjPē P»C-PeP°CḡCḡCHPePēPjPē
P·P°CḡPsP±P°PjPē C, P° C-PSCēC- PIPēPrPē PIP·P°C”PjPsPrC-PNēB»). PμCḡPē
P»C-PeCḡPIP°PSPSC- PkCḡPIC-PrPḡPēP»PsPj^{B®} C- PīCḡPsC, CḡPīPsPj PrPIPsC... PjC-CḡCḡC†C-PI
PīC-CḡP»Cḡ PīCḡPēPīPēPSPμPSPSCḡ P·P°CḡC, PsCḡCḡPIP°PSPSCḡ PkCḡPIC-PrPḡPēP»Cḡ^{B®}
PīP°C†C-C”PSC, PeP°Pj, CḡPeC- PīCḡPēPNēPjP°CḡC, CH CḡC, PμCḡPsC—PrPSC-
PePsPSC, CḡP°C†PμPīC, PēPIPē, CḡPμPePsPjPμPSPḡCḡC, CHCḡCḡ
PIPēPePsCḡPēCḡC, PsPICḡPIP°C, Pē P°P»CHbC, PμCḡPSP°C, PēPIPSC- CḡPīPsCḡPsP±Pē
PePsPSC, CḡP°C†PμPīC†C-C— P°P±Ps CḡCḡPīCḡC, PSCḡPs P·P°CḡC, PsCḡPsPICḡPIP°C, Pē
PrPsPrP°C, PePsPIC- CḡPīPsCḡPsP±Pē PePsPSC, CḡP°C†PμPīC†C-C—.

*P—P°C, CḡPēPjPeP° CḡPsP·PIPēC, PeCé PīP»PsPrP° C, P° CḡPsCḡC, Cé PrC-C, PμPNē
PīCḡCéPrPSPsPīPs PIC-PeCé*

PμPsPIC-PrPsPjP»CḡP»PsCḡCḡ PīCḡPs P·P°C, CḡPēPjPeCḡ
PIPSCḡC, CḡC-CēPSCḡPsCḡC, CḡPsP±PSPsPīPs CḡPsP·PIPēC, PeCḡ C, P° CḡPsCḡC, Cḡ PrC-C, PμPNē
PīCḡCḡPrPSPsPīPs PIC-PeCḡ PīCḡPē P·P°CḡC, PsCḡCḡPIP°PSPSC- P°CḡPjPsPrP°C,, C-PSC-P»Cḡ C-
PjPsPrP°C,, C-PSC-P»Cḡ. P’PīP»PēPICḡ P°CḡPjPsPrP°C,, C-PSC-P»Cḡ P°P±Ps
PjPsPrP°C,, C-PSC-P»Cḡ PjPsPḡCḡC, CH PīC-PrPrP°PIP°C, PēCḡCḡ PrC-C, Pē, PjP°C, PμCḡC-
CḡPePēC... PīCḡPēPNēPjP°CḡC, CH P·P°P·PSP°C†PμPSC- PīCḡPμPīP°CḡP°C, Pē PI PīPμCḡC-PsPr
PIP°PīC-C, PSPsCḡC, C- P°P±Ps PīPsPrCḡPIP°PSPSCḡ PīCḡCḡPrPrCḡ.

PμPsC, PμPSC†C-P°P» P·P»PsPIPḡPēPIP°PSPSCḡ C- P·P°P»PμPḡPSPsCḡC, C-

PḡPsC†P° PīPsC, PμPSC†C-P°P» P·P»PsPIPḡPēPIP°PSPSCḡ P°CḡPjPsPrP°C,, C-PSC-P»PsPj
CḡPīPμC†C-P°P»CHbPSPs PSPμ PIPēPIC†P°P»Pē, PNēPjPsPIC-CḡPSPs, C%Ps PIC-PS
P°PSP°P»PsPīC-C†PSPēPNē C, P°PePsPjCḡ PrP»Cḡ PjPsPrP°C,, C-PSC-P»Cḡ.

Pj P»CḡPrPēPSPē PjPsPrP°C,, C-PSC-P» PjPsPḡPμ PIPēPeP»PēPeP°C, Pē
PīCḡPēC...PsP°PeC, PēPIPSC- C- PμPNēC,, PsCḡPēC†PSC- PμC,, PμPeC, Pē, P·PjC-PSPē
PSP°CḡC, CḡPsCḡ, CḡPīCḡPēPNēPSCḡC, C, Cḡ, PjPēCḡP»PμPSPSCḡ C- PIC-PrC†CḡC, C, C-PI,
C, PēPīPsPIC- PrP»Cḡ C-PSCēPēC... CḡC, PēPjCḡP»CḡC, PsCḡC-PI PīPkPŸ. PḡPsPrP°C,, C-PSC-P»
PjP°C” PīC-PrPeCḡC-PīP»CḡCḡC†C- PIP»P°CḡC, PēPIPsCḡC, C-, PīCḡPs C%Ps
CḡPIC-PrC†PēC, CH PNēPsPīPs CḡP°PjPsP·P°CḡC, PsCḡCḡPIP°PSPSCḡ PjP°PīP°PjPē, CḡPePēC...
PīPsPīPμCḡPμPrPSCḡPs PSP°PIC†PēP»Pē CḡP°PjPsCḡC, C-PNēPSPs P·P°CḡC, PsCḡPsPICḡPIP°C, Pē
PePsPeP°C—PS. Pj PrPμCḡPePēC... PrPsCḡP»C-PrPḡPμPSPSCḡC... PjPsPrP°C,, C-PSC-P»
C, P°PePsPḡ C†P°CḡC, PePsPIPs PIPIP°PḡP»Pē PīPsPrC-P±PSPsCḡ PrPs
CḡC, PēPjCḡP»CḡC, PsCḡP° CḡPμC†PsPIPēPSPsCḡ. P·C-PeP°CḡC- PjP°CḡC, CH CḡPIP°PḡPSPs
CḡPīPsCḡC, PμCḡC-PīP°C, Pē P·P° PīP°C†C-C”PSC, P°PjPē, PsCḡPsP±P»PēPIPs P·P° C, PēPjPē,
C...C, Ps PjP°C” PI P°PSP°PjPSPμP·C- P·P»PsPIPḡPēPIP°PSPSCḡ P»C-PeP°CḡCḡCHPePēPjPē
P·P°CḡPsP±P°PjPē C, P°/P°P±Ps CḡC, PēPjCḡP»CḡC, PsCḡP°PjPē (PSP°PīCḡPēPeP»P°Pr

PjPμC, PēP»C,, PμPSC-PrP°C, PsPj, P°PjC,, PμC, P°PjC-PSPsPj P°P±Ps PePsPeP°C—PSPsPj). P—P°
PīP°C†C-C" PSC, P°PjPē C†P»C-Pr C†PīPsC†C, PμC†C-PiP°C, Pē C%PsPrPs PīPsC†CIPiPē PsP·PSP°Pe
PSPμPīC†C P°PIPēP»CHPSPsPiPs P·P°C†C, PsC†C†PIP°PSPSC†C P°P±Ps P·P»PsPIP¶PēPIP°PSPSC†C
(PSP°PīC†C PēPeP»P°Pr, P·P±C-P»CHC€PμPSPSC†C PrPsP·Pē P°P±Ps PīPsPIPμPrC-PSPeP°
PīPsC€C†PeC† P·P°C†PsP±C†).

PμPsC, PμPSC†C-P°P» P·P»PsPIP¶PēPIP°PSPSC†C PjPsPrP°C,, C-PSC-P»PsPj (200, 400 C- 800 PjPi)
PsC†C-PSC†CIP°P»Pē PIC-PrPSPsC†PSPs PjPμC, PēP»C,, PμPSC-PrP°C, C† (45 C- 90 PjPi) C†
PrPsC†P»C-PrP¶PμPSPSC- PI C†C, P°C†C-PsPSP°C†PSPēC... C†PjPsPIP°C... P·P° C†C†P°C†C, C†
PsC†C-P±, C%Ps PjP°P»Pē PrPsC†PIC-Pr P·P»PsPIP¶PēPIP°PSPSC†C P»C-PeP°C†C†CHPePēPjPē
P·P°C†PsP±P°PjPē. P PμP·C†P»CHC, P°C, Pē C†CHPsPiPs PeP»C-PSC-C†PSPsPiPs
PrPsC†P»C-PrP¶PμPSPSC†C PīPsPeP°P·P°P»Pē, C%Ps PjPsPrP°C,, C-PSC-P» PjPsP¶Pμ
PIPēPeP»PēPeP°C, Pē PīC†PēC...PsP°PeC, PēPIPSC- C- PμPNeC,, PsC†PēC†PSC- PμC,, PμPeC, Pē,
C†Pe C- C-PSC€C- PIC-PrPsPjC- C†C, PēPjC†P»C†C, PsC†Pē PīPáPŸ
(PjPμC, PēP»C,, PμPSC-PrP°C,,).

P'PīP»PēPI PSP° C†PμP·C†P»CHC, P°C, Pē P»P°P±PsC†P°C, PsC†PSPēC... C, PμC†C, C-PI

PJ PrPsC†P»C-PrP¶PμPSPSC†C... PePsPSC, C†PsP»CHPIP°P»Pē PīP°C†P°PjPμC, C†Pē
PeP»C-PSC-C†PSPsC— C...C-PjC-C—, PīPμPjP°C, PsP»PsPiC-C— C- P°PSP°P»C-P·C† C†PμC†C-.
PŸPμC†PμPrPSC- C†C-PIPSC- PīP°PjPjP°-PīP»C†C, P°PjC-P»C, C†P°PSC†C,, PμC†P°P·Pē (P" P" PŸ)
C- P»C†P¶PSPsC— C,, PsC†C,, P°C, P°P·Pē (P>Pα) C† PīP»P°P·PjC- PeC†PsPIC-
PīC-PrPIPēC% C†PIP°P»PēC†CH PīC-C†P»C†C P·P°C†C, PsC†C†PIP°PSPSC†C
PáC†PIC-PrP¶PēP»C†^{B®}, PSP° PIC-PrPjC-PSC† PIC-Pr PīP»P°C†PμP±Ps. PJ PrPμPeC-P»CHPePsC...
C†C†P±B† C" PeC, C-PI C†C-PIPSC- P" P" PŸ C- P>Pα PīPμC†PμPIPēC% PēP»Pē PjPμP¶C-
PSPsC†PjPē. PáPμ PIPēC†CIP»C†C P¶PsPrPSPsC— C†C-P·PSPēC†C- C†
C†C-PIPSC†C... P°P»P°PSC-PSP°PjC-PSPsC, C†P°PSC†C,, PμC†P°P·Pē (P†P>PŸ),
P°C†PīP°C†C, P°C, P°PjC-PSPsC, C†P°PSC†C,, PμC†P°P·Pē (P†PŸPŸ), P·P°PīP°P»CHPSPsPiPs
P±C-P»PeP°, P°P»CHP±C†PjC-PSC† P°P±Ps P·P°PīP°P»CHPSPsPiPs P±C-P»C-C†C†P±C-PSC†,
C...PsC†P° P±C†P»Pē C†C-PrPeC-C†PSC- PIPēPīP°PrPePē PsPeC†PμPjPsPiPs
PīC-PrPIPēC% PμPSPSC†C C†C-PIPSC†C P†PŸPŸ C, P°/P°P±Ps P†P>PŸ. PμC-C†P»C†C 35 PrC-P±
P»C-PeC†PIP°PSPSC†C PIC-PrPjC-C, PēP»Pē PsPrPēPS PIPēPīP°PrPsPe P»PμPīPePsC—
PīP°PSC†PēC, PsPīPμPSC-C—, C†PeP° P·PSPēPeP»P° PīC-C†P»C†C PīC†PēPīPēPSPμPSPSC†C
PīC†PēPNePsPjC† PīC†PμPīP°C†P°C, C†. PJ PeP»C-PSC-C†PSPēC... PrPsC†P»C-PrP¶PμPSPSC†C...
P±C†P»Ps PIPēC†CIP»PμPSPs C†P»P°P±PePμ C†PμC†PμPrPSC" P·PSPēP¶PμPSPSC†C PIC-Pr
PIPēC...C-PrPSPsPiPs C†C-PIPSC†C PīPsPeP°P·PSPēPeP° C†PμC†PsPiPsC— PePēC†P»PsC, Pē C†
C†PēC†PsPIP°C, C†C- PeC†PsPIC- PīPsC†C-PIPSC†C PSPs P· C, P°PePēPj PīC†Pē PīC†PēPNePsPjC-
PīP»P°C†PμP±Ps. P†P»C-PSC-C†PSPμ P·PSP°C†PμPSPSC†C PIPēC†CIP»PμPSPēC... PrP°PSPēC...
PSPμPIC-PrPsPjPμ.

*P—P°C†C, PsC†C†PIP°PSPSC†C PīC†Pē PīPsC†C†C€PμPSPSC†C... C,, C†PSPeC†C-C—
PīPμC†C-PSPePē*

P"PsP·C† PáC†PIC-PrP¶PēP»C†^{B®} PSPμPsP±C...C-PrPSPs P·PSPēP¶C†PIP°C, Pē PīP°C†C-C" PSC, P°Pj
C-P· C, C†P¶PePēPjPē PīPsC†C†C€PμPSPSC†C PjPē C,, C†PSPeC†C-C— PīPμC†C-PSPePē P·
C†PēC†PsP·PsPj P°P±Ps P±PμP· C†PēC†PsP·C† (PrPēPI. C†PsP·PrC-P» B«PŸPīPsC†C-P±
P·P°C†C, PsC†C†PIP°PSPSC†C C, P° PrPsP·PēB»). P†C†PSC†C" PSPμPrPsC†C, P°C, PSCHPs
PrP°PSPēC... PīC†Ps P·P°C†C, PsC†C†PIP°PSPSC†C C†C-P·PSPēC... PrPsP· PáC†PIC-PrP¶PēP»C†^{B®}
(P°C†PjPsPrP°C,, C-PSC-P»C†) PIC-PrPīPsPIC-PrPSPs PrPs C†C, C†PīPμPSC†C C†C†P°P¶PμPSPSC†C
PīPμC†C-PSPePē.

P—P°C†C, PsC†C†PIP°PSPSC†C PīC†Pē PīPsC†C†C€PμPSPSC†C... C,, C†PSPeC†C-C— PSPēC†PsPe

ΠίC-PrPIΠēC%PμPSPSCΠ CḡPēP·PēPeCí PIP°PiC-C,PSPScíC,C- ΠíCḡPē
P·P°CíC,PsCíCíPIP°PSPSC- CíC,PμCḡPsC—PrPSPēC... PePsPSC,CḡP°C†PμΠíC,PēPIC-PI
(PIPeP»CḡC†P°CḡC†Pē ΠíCḡPsC,PēP·P°ΠíP»C-PrPSC- C,P°P±P»PμC,PePē, C-PjΠíP»P°PSC,P°C,Pē,
C-PSBḡ™C°PeC†C-PNēPSC- ΠíCḡPμΠíP°CḡP°C,Pē C,P° PIPScíC,CḡC-CēPSCḡPsPjP°C,PePsPIC-
P·P°CíPSP±Pē, C%Ps PIPēPIC-P»CHPSCΠCḡC,CH ΠiPsCḡPjPsPSPē) C- PkCíPIC-PrP¶PēP»Cí^{B®},
P° C,P°PePsP¶ ΠíCḡPsC,CΠΠiPsPj PrPIPsC... PjC-CíCΠC†C-PI ΠíC-CíP»CΠ
P·P°PeC-PSC†PμPSPSCΠ P»C-PeCíPIP°PSPSCΠ (PrPēPI. CḡPsP·PrC-P» B«P’P·P°C”PjPsPrC-CΠ P·
C-PSCēPēPjPē P»C-PeP°CḡCíCḡPePēPjPē P·P°CíPSP±P°PjPē C,P° C-PSCēC- PIPēPrPē
PIP·P°C”PjPsPrC-PNēB»).

P°PsPrCáPIP°PSPSCΠ ΠíCḡCáPrPrCḡ

PkPμPIC-PrPsPjPs, C†Pē ΠíCḡPsPSPēPeP°CḡC,CH P°CḡPjPsPrP°C,,C-PSC-P» P°P±Ps PNēPsPiPs
PjPμC,P°P±PsP»C-C,Pē Cí ΠíCḡCíPrPSPμ PjPsP»PsPePs. P°PsPrCíPIP°PSPSCΠ ΠíCḡCíPrPrCḡ
PSPμ CḡPμPePsPjPμPSPPrCíC”C,CHCíCΠ ΠíC-Pr C†P°Cí ΠíCḡPēPNēPsPjCí
PkCíPIC-PrP¶PēP»Cí^{B®}.

*P—PrP°C,PSC-CíC,CH PIPíP»PēPIP°C,Pē PSP° CēPIPēPrPeC-CíC,CH CḡPμP°PeC†C-C— ΠíCḡPē
PePμCḡCáPIP°PSPSC- P°PIC,PsC,CḡP°PSCíPíPsCḡC,PsPj P°P±Ps C-PSCēPēPjPē
PjPμC...P°PSC-P·PjP°PjPē.*

ΠíPSc†P° PkCíPIC-PrP¶PēP»^{B®} PSPμ PIPēPeP»PēPeP°C” C,,CíPSPeC†C-PsPSP°P»CHPSPēC...
CḡPsP·P»P°PrC-PI, P±CíPrCH-CΠPeC- P»C-PeP°CḡCíCḡPeC- P·P°CíPSP±Pē, C%Ps
PIΠíP»PēPIP°CḡC,CH PSP° ΠíPkPŸ, PjPsP¶CíC,CH P·PjC-PSCḡPIP°C,Pē PSP°PIPēC†PePē
PeCḡPēC,PēC†PSPsPiPs CíCíPrP¶PμPSPSCΠ, PjPēCíP»PμPSPSCΠ P°P±Ps PjPsC,PsCḡPēPePē.
PμP°C†C-C”PSC,C-PI CíP»C-Pr ΠíPsPiPμCḡPμPrP¶P°C,Pē ΠíCḡPs PSPμPsP±C...C-PrPSC-CíC,CH
CíC,CḡPēPjCíPIP°C,PēCíCḡ PIC-Pr PePμCḡCíPIP°PSPSCΠ P°PIC,PsPjPsP±C-P»PμPj P°P±Ps
CḡPsP±PsC,Pē P· C-PSCēPēPjPē PjPμC...P°PSC-P·PjP°PjPē PrPs PSP°P±CíC,C,CΠ
PIΠíPμPIPSμPSPScíC,C-, C%Ps P»C-PeCíPIP°PSPSCΠ PkCíPIC-PrP¶PēP»PsPj^{B®} PSPμ
C†PēPSPēC,PēPjPμ CēPeC-PrP»PēPIPsPiPs PIPíP»PēPICí PSP° C—C...PSCḡ P·PrP°C,PSC-CíC,CH
PrPs C,P°PePsC— PrC-CΠP»CHPSPScíC,C-.

PŸΠíPsCíC-P± P·P°CíC,PsCíCáPIP°PSPSCΠ C,P° PrPsP·Pē.

PkCíPIC-PrP¶PēP»^{B®} CíP»C-Pr ΠíCḡPēP·PSP°C†P°C,Pē ΠíP°C†C-C”PSC,P°Pj C,C-P»CHPePē
ΠíC-CíP»CΠ CḡPμC,PμP»CHPSPSc— PsC†C-PSPePē C—C...PSCḡPsC— PSP°PrPjC-CḡPSPSc—
CíPSPSP»PēPIPsCíC,C- C- PICíC,P°PSPsPIP»PμPSPSCΠ PrC-P°PiPSPsP·Cí PsCíPSPsPIPSsPiPs
CḡPsP·P»P°PrCí PSP°CḡPePsP»PμΠíCíC-C—, PŸPhPḡP”PŸ P°P±Ps ΠíPμPŸPμP
PIC-PrΠíPsPIC-PrPSPs PrPs PrC-P°PiPSPScíC,PēC†PSPēC... PeCḡPēC,PμCḡC-C—PI
PhC-P¶PSP°CḡPsPrPSPSc— PeP»P°CíPēC,,C-PeP°C†C-C— CḡPsP·P»P°PrC-PI CíPSCí (ICSD)
P°P±Ps P”C-P°PiPSPScíC,PēC†PSPsPiPs C- CíC,P°C,PēCíC,PēC†PSPsPiPs
PePμCḡC-PIPSPēC†C,PIP° P· ΠíCíPēC...C-P°C,CḡPēC†PSPēC... C...PIPsCḡPsP± (DSM). PŸP°PeP°
PsC†C-PSPeP° P·P°P·PIPēC†P°PNē PIPeP»CḡC†P°C” P·P±C-Cḡ ΠíPsPIPSsPiPs P°PSP°PjPSPμP·Cí
C,P° PjPμPrPēC†PSPēPNē PsPiP»CΠPr C- PrPsPrP°C,PePsPIPs PjPsP¶Pμ P±CíC,Pē
PrPsΠíPsPIPSμPSP° P»P°P±PsCḡP°C,PsCḡPSPēPjPē C,PμCíC,P°PjPē. P”PμCΠPeC-
ΠíP°C†C-C”PSC,Pē PjPsP¶CíC,CH PjP°C,Pē P±C-P»CHCēPμ PsPrPSPsPiPs CḡPsP·P»P°PrCí
CíPSCí, CΠPeC- CíΠíCḡPēCΠCḡC,CH PSP°PrPjC-CḡPSC-PNē CíPSPSP»PēPIPsCíC,C-
(PSP°ΠíCḡPēPeP»P°Pr PŸPhPḡP”PŸ C- ΠíPμPŸPμP PsPrPSPSc†P°CíPSPs Πí PsPrPSPsPiPs

ΠΪΡ°C†C-C"ΨSC,P°).

ΡκCρPIC-PrP¶ΠPēP»^{B®} PjPsP¶PSP° ΠiCηPēPNēPjP°C,Pē C-P· C—P¶ΠμCη P°P±Ps
PSPμP·P°P»PμP¶PSPs PIC-Pr ΠiCηPēPNēPsPjCρ C—P¶C-. PμCηPsC,Pμ
P·P°C†C,PsC†CρPIP°PSPSC¶ ΠiCηPμΠiP°CηP°C,Cρ PsPrPSPsC†P°C†PSPs P· ΠiCηPēPNēPsPjPsPj
C—P¶C- PjPsP¶Πμ PIC-PrC†C,CηPsC†CρPIP°C,Pē ΠiPsC†P°C,PsPe PNēPsPiPs PrC-C—, P°
C,P°PePsP¶ ΠiCηPsP»PsPSPiCρPIP°C,Pē PNēPsPiPs PrC-Cη (PrPēPI. CηPsP·PrC-P»
B«PαP°CηPjP°PePsPeC-PSPμC,PēPeP°. P'C†PjPsPeC,CρPIP°PSPSC¶. P'ΠiP»PēPI C—P¶C-B»).

P©PsP± CρPSPēPePSCρC,Pē P·P°C,CηPēPjPePē ΠiPsC†P°C,PeCρ PrC-C—, ΡκCρPIC-PrP¶ΠPēP»^{B®}
C†P»C-Pr ΠiCηPēPNēPjP°C,Pē PSP°C,C%oPμ.

P>C-PeCρPIP°PSPSC¶ ΡκCρPIC-PrP¶ΠPēP»PsPj^{B®} PjP°C" ΠiPsC†PēPSP°C,Pē C-
PePsPSC,CηPsP»CηPIP°C,Pē P»C-PeP°Cη C-P· PIC-PrΠiPsPIC-PrPSPēPj PrPsC†PIC-PrPsPj
P»C-PeCρPIP°PSPSC¶ CηPsP·P»P°PrC-PI C†PSCρ, C¶PePēPNē PjP°C" PrPsC†C,CρΠi PrPs
PrC-P°PiPSPsC†C,PēC†PSPēC... P·P°C†PsP±C-PI P»P°P±PsCηP°C,PsCηC-C—
PrPsC†P»C-PrP¶ΠμPSPSC¶ C†PSCρ.

ΡκP°CηPePsP»PμΠiC†C-C¶

P PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° ΡκCρPIC-PrP¶ΠPēP»Cρ^{B®} ΠiP°C†C-C"ΨSC,P°Pj C-P·
PSP°CηPePsP»PμΠiC†C-C"η C†C,P°PSPsPIPēC,CH 150 PjPi P°P±Ps 250 PjPi 1 CηP°P· PSP°
PrPsP±Cρ PICηP°PSC†C-.

*PŸPēPSPPrCηPsPj PsP±C†C,CηCζPeC,PēPIPSsPiPs P°PiPSPsPμ/PiC-ΠiPsPiPSPsPμ C†PSCζ
(PŸPhPhP"PŸ)*

PμCηPē PŸPhPhP"PŸ ΡκCρPIC-PrP¶ΠPēP»^{B®} PSPμ ΠiPsPeP°P·P°PSPēPNē PrP»C¶
P»C-PeCρPIP°PSPSC¶ PsC†PSPsPIPSPsPiPs P·P°C...PIPsCηCηPIP°PSPSC¶. ΠiPeC%oPs PrP»C¶
ΠiP°C†C-C"ΨSC,P° ΠiC-PrC...PsPrPēC,CH C,PμCηP°ΠiC-C¶
PjPμC,PsPrPsPj ΠiPsC†C,C-PNēPSPsPiPs ΠiPsP·PēC,PēPIPSsPiPs C,PēC†PeCρ PI
PrPēC...P°P»CHPSPēC... CēP»C¶C...P°C... (CPAP-C,PμCηP°ΠiC-C¶), C†P»C-Pr
PrPsPeP»P°PrP°C,Pē PjP°PeC†PēPjP°P»CHPSPēC... P·CρC†PēP»CH PrP»C¶
P·P°C†C,PsC†CρPIP°PSPSC¶ CPAP-C,PμCηP°ΠiC-C— ΠiCηPsC,C¶ΠiPsPj P°PrPμPePIP°C,PSPsPiPs
ΠiPμCηC-PsPrCρ C†P°C†Cρ PrPs ΠiPsC†P°C,PeCρ P·P°C†C,PsC†CρPIP°PSPSC¶
ΡκCρPIC-PrP¶ΠPēP»Cρ^{B®} ΠiCηPē PSP°PrPjC-CηPSC-PNē C†PsPSP»PēPIPsC†C,C-. PμCηPē
P·P°C†C,PsC†CρPIP°PSPSC- ΡκCρPIC-PrP¶ΠPēP»Cρ^{B®} C¶Pe PrPsΠiPsPIPSPμPSPSC¶ PrPs CPAP-
C,PμCηP°ΠiC-C— ΠiP°C†C-C"ΨSC,P° C†P»C-Pr P·P°PsC...PsC†CρPIP°C,Pē PrPs
P·P°C†C,PsC†CρPIP°PSPSC¶ CPAP-C,PμCηP°ΠiC-C— C- ΠiPμCηC-PsPrPēC†PSPs
ΠiPμCηPμPIC-CηC¶C,Pē PrPsC,CηPēPjP°PSPSC¶ CηPμP¶ΠPēPjCρ CPAP-C,PμCηP°ΠiC-C—. PJ
PrPsC†P»C-PrP¶ΠμPSPSC¶C... P·P°C†C,PsC†CρPIP°PSPSC¶ ΡκCρPIC-PrP¶ΠPēP»Cρ^{B®} P±CρP»Ps
PIPēC¶PIP»PμPSPs C†P»P°P±PeCρ C,PμPSPPrPμPSC†C-Cη PrPs P·PSPēP¶ΠμPSPSC¶
PIPēPePsCηPēC†C,P°PSPSC¶ CPAP-C,PμCηP°ΠiC-C— C-P· C†P°C†PsPj (C†PμCηPμPrPSC"
P·PSPēP¶ΠμPSPSC¶ PSP° 18 C...PIPēP»PēPS Cρ ΠiP°C†C-C"ΨSC,C-PI, C¶PeC-
P·P°C†C,PsC†CρPICρPIP°P»Pē ΡκCρPIC-PrP¶ΠPēP»^{B®}, ΠiPsCηC-PIPS¶PSPs P·C-
P·PSPēP¶ΠμPSPSC¶Pj PSP° 6 C...PIPēP»PēPS Cρ ΠiP°C†C-C"ΨSC,C-PI, C¶PeC-
ΠiCηPēPNēPjP°P»Pē ΠiP»P°C†PμP±Ps, ΠiCηPē C†PμCηPμPrPSCηPsPjCρ PIPēC...C-PrPSPsPjCρ
P·P°C†C,PsC†CρPIP°PSPSC- 6,9 ΠiPsPrPēPSPē P·P° PSC-C†).

P PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° ΡκCρPIC-PrP¶ΠPēP»Cρ^{B®} PrP»C¶ ΠiP°C†C-C"ΨSC,C-PI C-P·
PŸPhPhP"PŸ C†C,P°PSPsPIPēC,CH 150 PjPi P°P±Ps 250 PjPi 1 CηP°P· PSP° PrPsP±Cρ
PICηP°PSC†C-. PJ ΠiP°C†C-C"ΨSC,C-PI C-P· PŸPhPhP"PŸ PrPsP·Pē PrPs 250 PjPi/PrPsP±Cρ,

P·P°CÍ'C,PsCÍ'PsPIP°PSC- CÍPe CĤP°P·PsPIP° PrPsP·P°, PĭPμCĤPμPSPsCÍ'PëP»PëCÍ'CH
PrPsP±CĤPμ, PĭCĤPsC,Pμ PIC-PrCÍ'CrC,PSC- PsPrPSPsP·PSP°C±PSC- PrP°PSC-, C%oPs C,P°PeC-
PrPsP·Pë PrP°CĤC,CH PrPsPrP°C,PePsPICr PePsCĤPëCÍ'C,CH PĭPsCĤC-PIPSCLIPSPs P·
PrPsP·PsCĤ 150 PjPi/PrPsP±CÍ'.

*PÍ'CĤPsPSC-C±PSPμ PĭPsCĤCáC€PμPSPSCÍ CÍ'PSCá (PIPSP°CÍ'P»C-PrPsPe CĤPsP·P»P°PrCá
C†PëPeP»Cá B«CÍ'PsPS eĤ“ P±P°PrCHPsCĤC-CÍ'C,CHB») PĭCĤPë PĭPsP·PjC-PSPSC-PNë
CĤPsP±PsC,C- (PÍ'PμPŸPμP)*

P PμPePsPjPμPSPPrPsPIP°PSP° PrPsP·P° PkCÍ'PIC-PrP¶PëP»CÍ'^{B®} PrP»CÍ' PĭP°C†C-C''PSC,C-PI C-P·
PÍ'PμPŸPμP CÍ'C,P°PSPsPIPëC,CH 150 PjPi PSP° PrPsP±CÍ' PĭCĤPëP±P»PëP·PSPs P·P° 1
PĭPsPrPëPSCr PrPs PĭPsC±P°C,PeCÍ' CĤPsP±PsC±PsC— P·PjC-PSPë.

P''PsP·Pë PrP»CÍ' PsPeCĤPμPjPëC... PĭCĤCáPĭ PĭP°C†C-C''PSC,C-PI

P''PsP·CÍ' PkCÍ'PIC-PrP¶PëP»CÍ'^{B®} CÍ'P»C-Pr P·PSPëP¶CÍ'PIP°C,Pë PĭP°C†C-C''PSC,P°Pj P·
C,CÍ'P¶PePëPjPë PĭPsCĤCÍ'C€PμPSPSCÍPjPë C,,CÍ'PSPeC†C-C— PĭPμC±C-PSPePë P·
C†PëCĤPsP·PsPj P°P±Ps P±PμP· C†PëCĤPsP·CÍ'. PkP° CÍ'CHPsPĭPsPrPSC-
PSPμPrPsCÍ'C,P°C,PSCHPs PrP°PSPëC... C%oPsPrPs CĤPμPePsPjPμPSPPrP°C†C-PNë P·
PrPsP·CÍ'PIP°PSPSCÍ' PkCÍ'PIC-PrP¶PëP»CÍ'^{B®} (P°CĤPjPsPrP°C,,C-PSC-P»CÍ') P·P°P»PμP¶PSPs
PIC-Pr CÍ'C,CÍ'PĭPμPSCÍ' CÍ'CĤP°P¶PμPSPSCÍ' PĭPμC±C-PSPePë.

PkP° CÍ'CHPsPĭPsPrPSC- PSPμPrPsCÍ'C,P°C,PSCHPs C-PSC,,PsCĤPjP°C†C-C— PrP»CÍ'
PIPëP·PSP°C±PμPSPSCÍ' P±PμP·PĭPμPePë C- PμC,,PμPeC,PëPIPSPsCÍ'C,C-
P·P°CÍ'C,PsCÍ'CrPIP°PSPSCÍ' PkCÍ'PIC-PrP¶PëP»CÍ'^{B®} (P°CĤPjPsPrP°C,,C-PSC-P»CÍ')
PĭP°C†C-C''PSC,P°Pj P·C- CÍ'P»P°P±PePëPjPë, PĭPsPjC-CĤPSPëPjPë P°P±Ps C,CÍ'P¶PePëPjPë
PĭPsCĤCÍ'C€PμPSPSCÍ'PjPë C,,CÍ'PSPeC†C-C— PSPëCĤPsPe.

Pj PĭP°C†C-C''PSC,C-PI P»C-C,PSCHPsPĭPs PIC-PeCÍ' PIPëPIPμPrPμPSPSCÍ'
P°CĤPjPsPrP°C,,C-PSC-P»CÍ' C- PNëPsPĭPs PjPμC,P°P±PsP»C-C,C-PI PjPsP¶Pμ P±CÍ'C,Pë
P·PSPëP¶PμPSPμ PIPSP°CÍ'P»C-PrPsPe PIC-PePsPIPëC... C,,P°PeC,PsCĤC-PI.
P'C-PrPĭPsPIC-PrPSPs, PrP»CÍ' C,P°PePëC... PĭP°C†C-C''PSC,C-PI CÍ'P»C-Pr
CĤPsP·PĭP»CÍ'PSCrC,Pë P·P°CÍ'C,PsCÍ'CrPIP°PSPSCÍ' PSPëP¶C±PëC... PrPsP· C-
PĭCĤPsPIPPrPëC,Pë CĤPμC,PμP»CHPSPëPNë PjPsPSC-C,PsCĤPëPSPi C—C...PSCHPsPĭPs
CÍ'C,P°PSCr.

P''C-C,Pë.

PkPμPrPsCÍ'C,P°C,PSCHPs PrP°PSPëC... C%oPsPrPs PμC,,PμPeC,PëPIPSPsCÍ'C,C- C,P°
P±PμP·PĭPμPePë P·P°CÍ'C,PsCÍ'CrPIP°PSPSCÍ' PĭCĤPμPĭP°CĤP°C,Cr PrC-C,CÍ'Pj.
Pj PĭP°C†C-C''PSC,C-PI-PrC-C,PμPNë, CÍ'PeC- PsC,CĤPëPjCÍ'PIP°P»Pë PjPsPrP°C,,C-PSC-P»,
CÍ'PĭPsCÍ'C,PμCĤC-PĭP°P»PëCÍ'CÍ' C,CÍ'P¶PeC- PIPëCÍ'PëPĭP°PSPSCÍ'. PĤCĤPjPsPrP°C,,C-PSC-P»
PSPμ P·P°C,PIPμCĤPPrP¶PμPSPëPNë PrP»CÍ' P·P°CÍ'C,PsCÍ'CrPIP°PSPSCÍ' PrC-C,CÍ'Pj P·P°
P±CÍ'PrCH-CÍ'PePëC... PĭPsPeP°P·P°PSCH.

PμPμCĤPμPrPsP·CáPIP°PSPSCÍ'.

Pj PeP»C-PSC-C±PSPëC... PrPsCÍ'P»C-PrP¶PμPSPSCÍ'C... PkCÍ'PIC-PrP¶PëP»CÍ'^{B®} PSPμ
PĭPsPIC-PrPsPjP»CÍ'P»PsCÍ'CÍ' PĭCĤPs PIPëPĭP°PrPePë PĭPμCĤPμPrPsP·CÍ'PIP°PSPSCÍ'.

PŸPëPjPìC,PsPjPë PìPμCḡPμPrPsP·CřPIP°PSPSCḡ PkCřPIC-PrP¶PëP»Cř^{B®}, PNëPjPsPIC-CḡPSPs,
 P°PSP°P»PsPiC-CḡPSC- CřPëPjPìC,PsPjP°Pj PìPμCḡPμPrPsP·CřPIP°PSPSCḡ
 PjPsPrP°C,,C-PSC-P»Cř. PŸPëPjPìC,PsPjPë PìPμCḡPμPrPsP·CřPIP°PSPSCḡ Cř
 PeP»C-PSC-CḡPSPëC... PrPsCřP»C-PrP¶PμPSPSCḡC... PjPsPrP°C,,C-PSC-P»Cř
 PIPeP»CḡCḡP°P»Pë P·P±CřPrP¶PμPSPSCḡ P°P±Ps P°P¶PëC,P°C†C-Cḡ, P±PμP·CřPsPSPSCḡ C-
 CřP»P°P±PePμ CḡPë PìPsPjC-CḡPSPμ PìC-PrPIPëC%oPμPSPSCḡ PìPμPjPsPrPëPSP°PjC-CḡPSPëC...
 PìP°CḡP°PjPμC,CḡC-PI.

PkP° PsCřPSPsPIC- PìPsCřC,CḡPμC”CřC,CḡP°C†C-PNëPSPsPiPs PrPsCřPIC-PrCř PrP»Cḡ
 PjPsPrP°C,,C-PSC-P»Cř PSPμ PìPsPIC-PrPsPjP»CḡP»PsCřCḡ PìCḡPs PIPëPìP°PrPePë
 CřPjPμCḡC,PμP»CHPSPsPiPs PìPμCḡPμPrPsP·CřPIP°PSPSCḡ PsPrPSPëPj
 PjPsPrP°C,,C-PSC-P»PsPj (PrPsP·Pë PrPs 12 Pi). PμPμCḡPμPrPsP·CřPIP°PSPSCḡ PìCḡPë
 PìCḡPëPNëPsPjC- P±P°PìP°C,CHPsC... P»C-PeP°CḡCřCHPePëC... P·P°CřPsP±C-PI,
 PIPeP»CḡCḡCḡP°CḡCḡPë PjPsPrP°C,,C-PSC-P», PìCḡPëP·PIPsPrPëP»Ps PrPs P»PμC,P°P»CHPSPëC...
 PSP°CřP»C-PrPeC-PI. PŸPëPjPìC,PsPjPë, C%oPs PSP°PNëCḡP°CřC,C-CëPμ
 CřCřPìCḡPsPIPsPrP¶CřCḡC,CH PìPμCḡPμPrPsP·CřPIP°PSPSCḡ PjPsPrP°C,,C-PSC-P»PsPj,
 PsPeCḡPμPjPs P°P±Ps Cř PePsPjP±C-PSP°C†C-C— C-P· C-PSCëPëPjPë PìCḡPμPìP°CḡP°C,P°PjPë:
 P±PμP·CřPsPSPSCḡ, CřPëPjPìC,PsPjPë P· P±PsPeCř C†PμPSC,CḡP°P»CHPSPsC—
 PSPμCḡPIPsPIPsC— CřPëCřC,PμPjPë, C,P°PeC- CḡPe PSPμCřPìPsPeC-PNë,
 PrPμP·PsCḡC-C”PSC,P°C†C-Cḡ, CřPìP»CřC,P°PSC-CřC,CH CřPIC-PrPsPjPsCřC,C-,
 P·P±CřPrP¶PμPSPSCḡ C- PìP°P»CḡC†PëPSP°C†C-C—, CřPëPjPìC,PsPjPë P· P±PsPeCř
 C,CḡP°PIPsPiPs C,CḡP°PeC,Cř, C,P°PeC- CḡPe PSCřPrPsC,P° C- PrC-P°CḡPμCḡ, C-
 CřPëPjPìC,PsPjPë P· P±PsPeCř CřPμCḡC†PμPIPs-CřCřPrPëPSPSPsC— CřPëCřC,PμPjPë, C,P°PeC-
 CḡPe C,P°C...C-PeP°CḡPrC-Cḡ, P±CḡP°PrPëPeP°CḡPrC-Cḡ, PìC-PìPμCḡC,PμPSP·C-Cḡ C-
 P±C-P»CH Cř PìCḡCřPrCḡC.... PŸPëPjPìC,PsPjPë, C%oPs PSP°PNëCḡP°CřC,C-CëPμ
 CřCřPìCḡPsPIPsPrP¶CřCḡC,CH PìPμCḡPμPrPsP·CřPIP°PSPSCḡ P°CḡPjPsPrP°C,,C-PSC-P»PsPj,
 PsPeCḡPμPjPs P°P±Ps Cř PePsPjP±C-PSP°C†C-C— C-P· C-PSCëPëPjPë PìCḡPμPìP°CḡP°C,P°PjPë:
 C,CḡPëPIPsPiP°, P±PμP·CřPsPSPSCḡ C- PrPëCřPìPSPsPμ.

PŸPìPμC†PëC,,C-CḡPSPëPNë P°PSC,PëPrPsC, PrP»Cḡ PkCřPIC-PrP¶PëP»Cř^{B®}
 PIC-PrCřCřC,PSC-PNë. PμCḡPë PìPμCḡPμPrPsP·CřPIP°PSPSC- PSPμPsP±C...C-PrPSPs
 P·P°CřC,PsCřPsPICřPIP°C,Pë PI PìPμCḡCëCř CḡPμCḡPìCř CřPëPjPìC,PsPjP°C,PëCḡPSCř
 C,PμCḡP°PìC-Cḡ P· PIPëPePsCḡPëCřC,P°PSPSCḡPj CřPμCḡC†PμPIPs-CřCřPrPëPSPSPsPiPs
 PjPsPSC-C,PsCḡPëPSPìCř. P’C-PrCřCřC,PSC- PrP°PSC- C%oPsPrPs PePsCḡPëCřC,C-
 PrC-P°P»C-P·Cř, PìC-PrPePëCřP»PμPSPSCḡ CḡPë PìC-PrP»CřP¶CřPIP°PSPSCḡ CřPμCḡC-
 PrP»Cḡ PìPsCřPëP»PμPSPSCḡ PIPëPìPμPrPμPSPSCḡ P»C-PeP°CḡCřCHPePsPiPs P·P°CřPsP±Cř.

PμPsP±C-CḡPSC- CḡPμP°PeC†C-C—.

PŸPhPḡP”PŸ, PΓPμPŸPμP C- PSP°CḡPePsP»PμPìCřC-Cḡ

P’PμP·PìPμPeCř P·P°CřC,PsCřCřPIP°PSPSCḡ PkCřPIC-PrP¶PëP»Cř^{B®} PsC†C-PSCḡPIP°P»Pë Cř
 PrPsCřP»C-PrP¶PμPSPSC- P·P° CřCḡP°CřC,Cḡ PìPsPSP°Pr 1100 PìP°C†C-C”PSC,C-PI C-P·
 PSP°PrPjC-CḡPSPsCḡ CřPsPSP»PëPIC-CřC,Cḡ, P°CřPsC†C-PNëPsPIP°PSPsCḡ C-P· PŸPhPḡP”PŸ,
 PΓPμPŸPμP C- PSP°CḡPePsP»PμPìCřC-C”Cḡ.

PJ PìPμCḡPμPrCḡPμC”CřC,CḡP°C†C-PNëPSPëC... PePsPSC,CḡPsP»CHPsPIP°PSPëC...
 PeP»C-PSC-CḡPSPëC... PrPsCřP»C-PrP¶PμPSPSCḡC... PSP°PNëP±C-P»CHCë CḡP°CřC,PëPjPë
 PìPsP±C-CḡPSPëPjPë CḡPμP°PeC†C-CḡPjPë (≥ 5 %) Cř PìP°C†C-C”PSC,C-PI, CḡPeC-
 P·P°CřC,PsCřPsPICřPIP°P»Pë PkCřPIC-PrP¶PëP»^{B®}, C%oPs P·CřCřC,CḡC-CḡP°P»PëCřCḡ

C±P°CÍC,C-C€Pµ, PSC-P¶ CÍ PİP°C†C-C"PSC,C-PI, CıPeC- P·P°CÍC,PsCÍPsPICÍPIP°P»Pë
PİP»P°C†PµP±Ps, P±CÍP»Pë PiPsP»PsPIPSpëPNë P±C-P»CH, PSCÍPrPsC,P°,
P·P°PİP°PjPsCıPµPSPSCı C,P° P±PµP·CÍPsPSPSCı. PıCıPsC,,C-P»CH PiPsP±C-C±PSPëC...
CıPµP°PeC†C-PNë P±CÍPI PiPsPrC-P±PSPëPNë CÍ PICÍC-C... PrPsCÍP»C-PrP¶PµPSPSCıC....

PJ PiPµCıPµPrCıPµC"CÍC,CıP°C†C-PNëPSPëC... PePsPSC,CıPsP»CHPsPIP°PSPëC...
PeP»C-PSC-C±PSPëC... PrPsCÍP»C-PrP¶PµPSPSCıC... 44 C-P· 645 PİP°C†C-C"PSC,C-PI (7 %),
CıPeC- PsC,CıPëPjCÍPIP°P»Pë PkCÍPIC-PrP¶PëP»^{B®}, PiCıPëPiPëPSPëP»Pë PiCıPëPNëPsPj
PIPSp°CÍP»C-PrPsPe PiPsP±C-C±PSPëC... CıPµP°PeC†C-PNë, PiPsCıC-PIPSıCıPSPs P· 16 C-P·
445 (4 %) PİP°C†C-C"PSC,C-PI, CıPeC- PiCıPëPNëPjP°P»Pë PiP»P°C†PµP±Ps.
PkP°PNëP±C-P»CHC€ C±P°CÍC,PsCı PiCıPëC±PëPSPsCı PiCıPëPiPëPSPµPSPSCı
PiCıPëPNëPsPjCÍ PiCıPµPiP°CıP°C,CÍ P±CÍPI PiPsP»PsPIPSpëPNë P±C-P»CH (1 %).

PŞP°CÍC,PsC,P° Cı PePsPSC,CıPsP»CHPsPIP°PSPëC... PrPsCÍP»C-PrP¶PµPSPSCıC...

PJ C,P°P±P»PëC†C- PSPëP¶C±Pµ (C,P°P±P»PëC†Cı 1) PSP°PIPµPrPµPSPs PiPsP±C-C±PSC-
CıPµP°PeC†C-C—, C%Ps CÍPiPsCÍC,PµCıC-PİP°P»PëCÍCı C-P· C±P°CÍC,PsC,PsCı 1 % P°P±Ps
PIPëC%Pµ C- P±CÍP»Pë P±C-P»CHC€ C±P°CÍC,PëPjPë CÍ PİP°C†C-C"PSC,C-PI, CıPeC-
P·P°CÍC,PsCÍPsPICÍPIP°P»Pë PkCÍPIC-PrP¶PëP»^{B®}, PiPsCıC-PIPSıCıPSPs P·
PİP°C†C-C"PSC,P°PjPë, CıPeC- P·P°CÍC,PsCÍPsPICÍPIP°P»Pë PiP»P°C†PµP±Ps, CÍ
PiPµCıPµPrCıPµC"CÍC,CıP°C†C-PNëPSPëC... PePsPSC,CıPsP»CHPsPIP°PSPëC...
PeP»C-PSC-C±PSPëC... PrPsCÍP»C-PrP¶PµPSPSCıC....

PhCÍPsP±P°, C%Ps PiCıPëP·PSP°C±P°C" P»C-PeP°CıCıCHPePëPNë P·P°CÍC-P±, PjP°C"
CÍCÍPIC-PrPsPjP»CHPIP°C,Pë, C%Ps PiPsPeP°P·PSPëPePë, PSP°PIPµPrPµPSC- PSPëP¶C±Pµ,
PSPµ PjPsP¶PSP° P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PrP»Cı PiPµCıPµPrP±P°C±PµPSPSCı
C±P°CÍC,PsC,Pë PiPsP±C-C±PSPëC... CıPµP°PeC†C-PNë CÍ C...PsPrC- P·PIPëC±P°PNëPSPsC—
PjPµPrPëC±PSPsC— PiCıP°PeC,PëPePë, PrPµ C...P°CıP°PeC,PµCıPëCÍC,PëPePë
PİP°C†C-C"PSC,C-PI C,P° C-PSC€C- C,,P°PeC,PsCıPë PjPsP¶CÍC,CH
PIC-PrCıC-P·PSCıC,PëCÍCı PIC-Pr C,P°PePëC... PiC-Pr C±P°CÍ PeP»C-PSC-C±PSPëC...
PrPsCÍP»C-PrP¶PµPSCı. PıP°Pe CÍP°PjPs, PSP°PIPµPrPµPSCÍ C±P°CÍC,PsC,CÍ PSPµ
PjPsP¶PSP° PiCıCıPjPs PiPsCıC-PIPSıCıPIP°C,Pë C-P· PiPsPeP°P·PSPëPeP°PjPë C-PSC€PëC...
PeP»C-PSC-C±PSPëC... PrPsCÍP»C-PrP¶PµPSCı, CıPeC- PİPeP»CHC±P°CHC,CH C-PSC€Pµ
P»C-PeCÍPIP°PSPSCı, PePsCıPëCÍC,CÍPIP°C±C-PI P°P±Ps PrPsCÍP»C-PrPSPëPeC-PI.
PıCıPsC,Pµ PsP·PSP°PNëPsPjP»PµPSPSCı C-P· C†C-C"Cı C-PSC,,PsCıPjP°C†C-C"Cı PrP°C"
PsCÍPsP±P°Pj, C%Ps PiCıPëP·PSP°C±P°CHC,CH P»C-PeP°CıCıCHPePëPNë P·P°CÍC-P±,
PsCÍPSPsPICÍ PrP»Cı PsC†C-PSPëPë PIC-PrPSPsCÍPSPsPiPs PİPİP»PëPICÍ
C,,P°CıPjP°PePsP»PsPiC-C±PSPëC... C- PSPµC,,P°CıPjP°PePsP»PsPiC-C±PSPëC...
C,,P°PeC,PsCıC-PI PSP° C±P°CÍC,PsC,CÍ PiPsP±C-C±PSPëC... CıPµP°PeC†C-PNë CÍ
PrPsCÍP»C-PrP¶CÍPIP°PSC-PNë PiCıCıPiC- PİP°C†C-C"PSC,C-PI.

PıP°P±P»PëC†Cı 1

PıPsP±C-C±PSC- CıPµP°PeC†C-C—, PiPsPiBı™ CıP·P°PSC- C-P· P»C-PeCÍPIP°PSPSCıPj,
CıPeC- P·CÍCÍC,CıC-C±P°P»PëCÍCı P· C±P°CÍC,PsC,PsCı 1 % P°P±Ps PIPëC%Pµ PiCıPë
PiCıPµPIPµPrPµPSPSC- PiP»P°C†PµP±Ps-PePsPSC,CıPsP»CHPsPIP°PSPëC...
PeP»C-PSC-C±PSPëC... PrPsCÍP»C-PrP¶PµPSCı* P·P°CÍC,PsCÍCıPIP°PSPSCı
PkCÍPIC-PrP¶PëP»Cı^{B®} (150 PjPi C- 250 PjPi) PiCıPë PıPhPıP"Pı, PıPıPıPıP C-
PSP°CıPePsP»PµPiCÍC-C— CÍ PİP°CıP°P»PµP»CHPSPëC... PiCıCıPiP°C...¹

[illegible]

* PŠPsC, PëCĤPë PĭPsPrPIC-PNēPSPs CĭP»C-PĭC- PĭP»P°C†PμP±Ps-PePsPSC, CĤPsP»CHPsPIP°PSC-PeP»C-PSC-C†PSC- PrPsCĭP»C-PrP¶PμPSPSCĭ P·P°CĭC, PsCĭCĭPIP°PSPSCĭ PĭCĤPμPĭP°CĤP°C, Cĭ PĭCĤPë PŸPhPĥP“PŸ, PĭPμPŸPμP C- PSP°CĤPePsP»PμPĭCĭC-C—; C†P°CĭC, PsC, P° PsPeCĤCĭPiP»PμPSP° PrPs PSP°PNēP±P»PëP¶C†PsPiPs C†C-P»PsPiPs C†PëCĭP»P°. P°PeP»CHC†PμPSPs C, C-P»CHPePë PĭPsP±C-C†PSC- CĤPμP°PeC†C-C—, C†P°CĭC, PsC, P° CĭPePëC... PĭCĤPë P·P°CĭC, PsCĭCĭPIP°PSPSC- PĕCĭPIC-PrP¶PëP»Cĭ^{B®} PIPëC%P°, PSC-P¶ PĭCĤPë PĭCĤPëPNēPsPjC- PĭP»P°C†PμP±Ps.

¹ Pj C, P°P±P»PëC†C- PSPμ PSP°PIPμPrPμPSPs PĭPsP±C-C†PSC- CĤPμP°PeC†C-C—, C†P°CĭC, PsC, P° CĭPePëC... PĭCĤPë P·P°CĭC, PsCĭCĭPIP°PSPSC- PĕCĭPIC-PrP¶PëP»Cĭ^{B®} P±CĭP»P° C%PsPSP°PNēPjPμPSC€Pμ 1 %, PĭCĤPsC, Pμ PrPsCĤC-PIPSCĤPIP°P»P° P°P±Ps P±CĭP»P° PjPμPSC€PsCĤ P·P° C, P°PeCĭ PĭCĤPë PĭCĤPëPNēPsPjC- PĭP»P°C†PμP±Ps. PĭC- CĤPμP°PeC†C-C— PIPeP»CHC†P°P»Pë: P·PrCĭC, C, Cĭ P¶PëPIPsC, P°, P±C-P»CH Cĭ PĭCĤCĭPrCĭC..., P±CĤPsPSC...C-C,, PSP°P·PsC,, P°CĤPëPSPiC-C,, CĭPëPSCĭCĭPëC,, C-PSC,, PμPeC†C-C— PIPμCĤC...PSC-C... PrPëC...P°P»CHPSPëC... C€P»CĭC...C-PI, PĭC-PrPIPëC%PμPSPSCĭ CĤC-PIPSCĭ P°P»P°PSC-PSP°PjC-PSPsC, CĤP°PSCĭC,, PμCĤP°P·Pë, PĭC-PrPIPëC%PμPSPSCĭ CĤC-PIPSCĭ P°CĭPĭP°CĤC, P°C, P°PjC-PSPsC, CĤP°PSCĭC,, PμCĤP°P·Pë, P°CĤC, CĤP°P»PĭC-CĤ, P±C-P»CH Cĭ CĭPĭPëPSC-, PsCĤPsC,, P°CĤPëPSPiPμP°P»CHPSPëPNē P±C-P»CH, PeP°C€PμP»CH C- PĭC-PĭPμCĤC, PμPSP·C-CĤ.

P°PsP·PsP·P°P»PμP¶PSC-CĭC, CH PĭPsP±C-C†PSPëC... CĤPμP°PeC†C-PNē

Pj PĭPμCĤPμPrCĤPμC”CĭC, CĤP°C†C-PNēPSPëC... PePsPSC, CĤPsP»CHPsPIP°PSPëC... PeP»C-PSC-C†PSPëC... PrPsCĭP»C-PrP¶PμPSPSCĭC..., C%Ps PĭPsCĤC-PIPSCĤPIP°P»Pë PrPsP·Pë 150 PjPi/PrPsP±Cĭ C- 250 PjPi/PrPsP±Cĭ PĕCĭPIC-PrP¶PëP»Cĭ^{B®} C- PĭP»P°C†PμP±Ps, PrPsP·PsP·P°P»PμP¶PSPëPNē C...P°CĤP°PeC, PμCĤ PĭPsPeP°P·P°P»Pë C, C-P»CHPePë C, P°PeC- PĭPsP±C-C†PSC- CĤPμP°PeC†C-C—: PĭPsP»PsPIPSPëPNē P±C-P»CH, PIPëCĭPëPĭ, PrPμPĭCĤPμCĭC-Cĭ, CĭCĭC...C-CĭC, CH Cĭ CĤPsC, C-, P±PμP·CĭPsPSPSCĭ C- PSCĭPrPsC, P°. P°PsPrP°C, PePsPICĭ C-PSC,, PsCĤPjP°C†C-CĤ PSP°PIPμPrPμPSPs Cĭ C, P°P±P»PëC†C- 2.

PŸP°P±P»PëC†Cĭ 2

PŠP°CĭC, PsC, P° PrPsP·PsP·P°P»PμP¶PSPëC..., PĭPsPIbĤ™ CĭP·P°PSPëC... C-P· P»C-PeCĭPIP°PSPSCĭPj PĭPsP±C-C†PSPëC... CĤPμP°PeC†C-PNē PĭCĤPë PĭCĤPsPIPμPrPμPSPSC- PĭP»P°C†PμP±Ps-PePsPSC, CĤPsP»CHPsPIP°PSPëC... PeP»C-PSC-C†PSPëC... PrPsCĭP»C-PrP¶PμPSCĤ* P·P°CĭC, PsCĭCĭPIP°PSPSCĭ PĕCĭPIC-PrP¶PëP»Cĭ^{B®} (150 PjPi C- 250 PjPi) PĭCĤPë PŸPhPĥP“PŸ, PĭPμPŸPμP C- PSP°CĤPePsP»PμPĭCĭC-C— Cĭ PĭP°CĤP°P»PμP»CHPSPëC... PĭCĤCĭPĭP°C...

PľP»P°Cĭ CĭPëCĭC, PμPjPë PsCĤPiP°PSC-PI	PĕCĭPIC-PrP¶PëP» ^{B®} 250 PjPi (%) N = 198	PĕCĭPIC-PrP¶PëP» ^{B®} 150 PjPi (%) N = 447	PĕCĭPIC-PrP¶PëP» ^{B®} PePsPjP±C-PSP°C†C-Cĭ (%) N = 645	PμP»P°C†PμP±Ps (%) N = 445
P— P±PsPeCž C€P»CžPSPePsPIPs-PePëC€PePsPIPsPiPs C, CĤP°PeC, Cž				
PĕCĭPrPsC, P°	9	6	7	3
PŸCĭC...C-CĭC, CH Cĭ CĤPsC, C-	7	2	4	ˆ 1
P— P±PsPeCž PSPμCĤPIPSPiPsC— CĭPëCĭC, PμPjPë				
P°PsP»PsPIPSPëPNē P±C-P»CH	23	14	17	9
P— P±PsPeCž PĭCĭPëC...C-PePë				

P'PμP·CÍPsPSPSCÍ	6	4	5	1
P" PμPíCĤPμCÍC-CÍ	3	1	2	1
<i>P— P±PsPeCž C€PeC-CĤPë C,P° PiC-PrC€PeC-CĤPSPsC— C,PeP°PSPëPSPë</i>				
P'PëCÍPëPí	4	1	2	1

* PŠPsC,PëCĤPë PíPsPrPIC-PNēPSPs CÍP»C-PíC- PíP»P°C†PμP±Ps-PePsPSC,CĤPsP»CHbPsPIP°PSC-PrPsCÍP»C-PrP¶PμPSPSCÍ PíCĤPë PÍPμPŸPμP , PŸPhPĥP“PŸ C- PSP°CĤPePsP»PμPíCÍC-C—.

P—PjC-PSPë PsCÍPSPsPIPSPëC... PíPsPeP°P·PSPëPeC-PI P¶PëC,C,C"PrC-CÍP»CHbPSPsCÍC,C-PsCĤPiP°PSC-P·PjCž

PĥPsPSC-C,PscĤPëPSPi P°CĤC,PμCĤC-P°P»CHbPSPsPiPs C,PëCÍPeCÍ CÍ
PíPμCĤPμPrCĤPμC"CÍC,CĤP°C†C-PNēPSPëC... PePsPSC,CĤPsP»CHbPsPIP°PSPëC...
PrPsCÍP»C-PrP¶PμPSPSCÍC... P·P°CÍC,PscÍCÍPIP°PSPSCÍ PíCĤPμPíP°CĤP°C,CÍ
PíCĤPë PŸPhPĥP“PŸ, PÍPμPŸPμP C- PSP°CĤPePsP»PμPíCÍC-C— PíPsPeP°P·P°PI
PSPμP·PSP°C†PSPμ PíC-PrPIPëC%PμPSPSCÍ CÍPμCĤPμPrPSCbPsPiPs
CÍPëCÍC,Psp»C-C†PSPsPiPs C- PrC-P°CÍC,Psp»C-C†PSPsPiPs
P°CĤC,PμCĤC-P°P»CHbPSPsPiPs C,PëCÍPeCÍ CÍ PíP°C†C-C"PSC,C-PI, CÍPeC-
P·P°CÍC,PscÍPsPICÍPIP°P»Pë PkCÍPIC-PrP¶PëP»^{B®}, PíPsCĤC-PIPSCÍPSPs P·
PíP°C†C-C"PSC,P°PjPë, CÍPeC- PíCĤPëPNēPjP°P»Pë PíP»P°C†PμP±Ps (PIC-Pr 1,2 PrPs 4,3
PjPj CĤC,.. CÍC,.. CÍ CĤC-P·PSPëC... PμPeCÍPíPμCĤPëPjPμPSC,P°P»CHbPSPëC...
PíCĤCÍPíP°C...). PŸP°PePsP¶ PSPμP·PSP°C†PSPs P±C-P»CHbC€P° C†P°CÍC,PeP°
PíP°C†C-C"PSC,C-PI, CÍPeC- P·P°CÍC,PscÍPsPICÍPIP°P»Pë PkCÍPIC-PrP¶PëP»^{B®},
PíPsC,CĤPμP±CÍPIP°P»P° PíCĤPëP·PSP°C†PμPSPSCÍ
P°PSC,PëPiC-PíPμCĤC,PμPSP·PëPIPSPëC... P·P°CÍPsP±C-PI P°P±Ps
P·P±C-P»CHbC€PμPSPSCÍ PrPsP·CÍPIP°PSPSCÍ
P°PSC,PëPiC-PíPμCĤC,PμPSP·PëPIPSPëC... P·P°CÍPsP±C-PI (2,9 %) CÍ
PíPsCĤC-PIPSCÍPSPSC- C-P· PíP°C†C-C"PSC,P°PjPë, CÍPeC-
P·P°CÍC,PscÍPsPICÍPIP°P»Pë PíP»P°C†PμP±Ps (1,8 %). PJ
PíPμCĤPμPrCĤPμC"CÍC,CĤP°C†C-PNēPSPëC... PePsPSC,CĤPsP»CHbPsPIP°PSPëC...
PrPsCÍP»C-PrP¶PμPSPSCÍC... P±CÍP»Ps PIPëCÍPIP»PμPSPs PjP°P»Pμ, PíCĤPsC,Pμ
CÍC,P°P±C-P»CHbPSPμ CÍPμCĤPμPrPSC" PíC-PrPIPëC%PμPSPSCÍ C†P°CÍC,Psc,Pë
PíCÍP»CHbCÍCÍ PíPsCĤC-PIPSCÍPSPs P· PíP°C†C-C"PSC,P°PjPë, C%Ps
PíCĤPëPNēPjP°P»Pë PíP»P°C†PμP±Ps. PíPμ PíC-PrPIPëC%PμPSPSCÍ
PePsP»PëPIP°P»PsCÍCH PIC-Pr 0,9 PrPs 3,5 CÍPrP°CĤCÍ PSP° C...PIPëP»PëPSCÍ.

PμPsCÍC,CĤPμC"CÍC,CĤP°C†C-PNēPSPëPNē PrPsCÍPIC-Pr

PkPëP¶C†Pμ PIPëPeP»P°PrPμPSPs PíPsP±C-C†PSC- CĤPμP°PeC†C-C—, C%Ps P±CÍP»Pë
P·P°C,,C-PeCÍPsPIP°PSC- PíC-Pr C†P°CÍ PíPsCÍC,CĤPμC"CÍC,CĤP°C†C-PNēPSPsPiPs
PrPsCÍPIC-PrCÍ P·P°CÍC,PscÍCÍPIP°PSPSCÍ PkCÍPIC-PrP¶PëP»CÍ^{B®}.

P—P° C†P°CÍC,Psc,PscĤ PíPsP±C-C†PSC- CĤPμP°PeC†C-C— CĤPsP·PíPsPrC-P»PμPSC- PSP°
C,P°PeC- PeP°C,PμPiPsCĤC-C—: PrCÍP¶Pμ C†P°CÍC,Psc (≥ 1/10); C†P°CÍC,Psc (≥ 1/100, < 1/10);
PSPμC†P°CÍC,Psc (≥ 1/1000, < 1/100); CĤC-PrPePs (≥ 1/10000, < 1/1000); PrCÍP¶Pμ CĤC-PrPePs
(< 1/10000); PSPμPIC-PrPsPjPs (PSPμPjPsP¶P»PëPIPs PsC†C-PSPëC,Pë P·P° PSP°CÍPIPSPëPjPë
PrP°PSPëPjPë).

P— P±PsPeCž CÍPμCȚCȚCȚ. PȘP°CÍC,Ps: PİP°P»CHPİC-C,P°CȚC-CȚ; PrCÍPȚPμ CȚC-PrPePs: CÍCÍPİCȚP°PIPμPSC,CȚPëPeCÍP»CȚCȚPSP° P°CȚPëC,PjC-CȚ, C-PSC„P°CȚPeC, PjC-PsPeP°CȚPrP°.

P—P°PiP°P»CHPSC- CȚPsP·P»P°PrPë. PȘP°CÍC,Ps: PIC,PsPjP»CȚPIP°PSC-CÍC,CH, PiCȚPëPiPsPiPsPrC-P±PSC- CÍPëPjPİC,PsPjPë, P±C-P»CH, PiC-CȚPμPeCÍC-CȚ, CÍPİCȚP°PiP°; CȚC-PrPePs: P°PSPsPjP°P»CHPSC- PIC-PrCȚCÍC,C,CȚ, PrCȚP°C,C-PIP»PëPIC-CÍC,CH.

P— P±PsPeCž C-PjCžPSPSPSC— CÍPëCÍC,PμPjPë. PȘP°CÍC,Ps: CÍPμP·PsPSPSP° P°P»PμCȚPiC-CȚ; PrCÍPȚPμ CȚC-PrPePs: PiC-PİPμCȚCȚCÍC,P»PëPIC-CÍC,CH PrPs P»C-PeP°CȚCÍCHPePsPiPs P·P°CÍPsP±CÍ, P°PSP°C„C-P»P°PeCÍC-CȚ.

P— P±PsPeCž PSPμCȚPIPsPIPsC— CÍPëCÍC,PμPjPë. P”CÍPȚPμ CȚP°CÍC,Ps: PiPsP»PsPIPsPëPNₑ P±C-P»CH; CȚP°CÍC,Ps: P·P°PİP°PjPsCȚPsCȚPμPSPSCȚ, CȚPsP·P»P°PrPë CÍPIP°PiPë, PjC-PiCȚPμPSCĤ, PİP°CȚPμCÍC,PμP·C-CȚ; PrCÍPȚPμ CȚC-PrPePs: CÍCÍPrPsPjPë.

P— P±PsPeCž PİCÍPëC...C-PePë. PȘP°CÍC,Ps: C,CȚPëPIPsPȚPSC-CÍC,CH, PrPμPiCȚPμCÍC-CȚ, P°PȚPëC,P°CȚC-CȚ, PiCȚPëPiPSC-CȚPμPSPëPNₑ PSP°CÍC,CȚC-PNₑ, P±PμP·CÍPsPSPSCȚ, PSPμCȚPIPsP·PSC-CÍC,CH; PrCÍPȚPμ CȚC-PrPePs: PİP°P»CȚCȚPëPSP°CȚC-C—, PiPSC-PIP»PëPIC-CÍC,CH, P°PiCȚPμCÍC-CȚ, P»C-PeP°CȚCÍCHPeP° P·P°P»PμPȚPSC-CÍC,CH, PiCÍPëC...PsC,PëCȚPSPëPNₑ CȚPsP·P»P°Pr, CÍCÍC—CȚPëPrP°P»CHPSC- PrCÍPjPePë, CÍPiCȚPsP±P° CÍCÍC—CȚPëPrCÍ; PSPμPIC-PrPsPjPs: PjP°PSC-CȚ.

P— P±PsPeCž CȚPμCÍPİC-CȚP°C,PsCȚPSPsC— CÍPëCÍC,PμPjPë, PsCȚPiP°PSC-PI PiCȚCžPrPSPsC— PeP»C-C,PePë C,P° CÍPμCȚPμPrPsCÍC,C-PSPSCȚ. P”CÍPȚPμ CȚC-PrPePs: PIC-PrCȚCÍC,C,CȚ P·PrP°PIP»CȚPIP°PSPSCȚ CÍ PiPsCȚP»C-, PSP°P±CȚCȚPe PiPsCȚC,P°PSC-.

P— P±PsPeCž CȚP»CžPSPePsPIPs-PePëCȚPePsPIPsPiPs C,CȚP°PeC,Cž. PkPμPIC-PrPsPjPs: PİPëCȚP°P·PePë PI CȚPsC,PsPIC-PNₑ PİPsCȚPsPȚPSPëPSC- (CÍ C,PsPjCÍ CȚPëCÍP»C- PiCÍC...PëCȚC- C,P° PİPëCȚP°P·PePë CÍP»PëP·PsPIPsC— PsP±PsP»PsPSPePë CȚPsC,PsPIPsC— PİPsCȚPsPȚPSPëPSPë).

P— P±PsPeCž CȚPeC-CȚPë C,P° PİC-PrCȚPeC-CȚPSPsC— C,PeP°PSPëPSPë. PȘP°CÍC,Ps: PİPëCÍPëPİ, PePsPSC,P°PeC,PSPëPNₑ PrPμCȚPjP°C,PëC,, PİC-PrPIPëC‰PμPSPμ PİPsC,PsPIPëPrC-P»PμPSPSCȚ; PrCÍPȚPμ CȚC-PrPePs: CÍPëPSPrCȚPsPj PȚC,C-PIPμPSCÍP° BȚ” P”PȚPsPSCÍPsPSP°, P°P»PsPİPμCȚC-CȚ; PSPμPIC-PrPsPjPs: PjPμPrPëPeP°PjPμPSC,PsP·PSP° CȚPμP°PeCȚC-CȚ P· PμPsP·PëPSPsC„C-P»C-C”CȚ C,P° CÍPëCÍC,PμPjPSPëPjPë CÍPëPjPİC,PsPjP°PjPë.

PμPsPIC-PrPsPjP»PμPSPSCȚ PİCȚPs PİC-PrPsP·CȚCȚPIP°PSC- PİPsP±C-CȚPSC- CȚPμP°PeCȚC-C—. PμPsPIC-PrPsPjP»PμPSPSCȚ PİCȚPs PİPsP±C-CȚPSC- CȚPμP°PeCȚC-C— PİC-CÍP»CȚ CȚPμC”CÍC,CȚP°CȚC-C— P»C-PeP°CȚCÍCHPePsPiPs P·P°CÍPsP±CÍ PjP°C” PİP°PȚP»PëPIPμ P·PSP°CȚPμPSPSCȚ. PİPμ PrP°C” P·PjPsPiCÍ PİCȚPsPIPsPrPëC,Pë PjPsPSC-C,PsCȚPëPSPİ CÍPİC-PIPIC-PrPSPsCȚPμPSPSCȚ PePsCȚPëCÍC,CH/CȚPëP·PëPe PİCȚPë P·P°CÍC,PsCÍCÍPİP°PSPSC- CȚCHPePiPs P»C-PeP°CȚCÍCHPePsPiPs P·P°CÍPsP±CÍ. PħPμPrPëCȚPSPëPj C,P° C„P°CȚPjP°CȚPμPIC,PëCȚPSPëPj PİCȚP°CȚC-PIPSPëPeP°Pj, P° C,P°PePsPȚ PİP°CȚC-C”PSC,P°Pj P°P±Ps C—C... P·P°PePsPSPSPëPj PİCȚPμPrCÍC,P°PIPSPëPeP°Pj CÍP»C-Pr PİPsPIC-PrPsPjP»CȚC,Pë PİCȚPs CÍCÍC- PİPëPİP°PrPePë PİC-PrPsP·CȚCȚPIP°PSPëC... PİPsP±C-CȚPSPëC... CȚPμP°PeCȚC-PNₑ C,P° PIC-PrCÍCÍC,PSPsCÍC,C- PμC„PμPeC,PëPIPSPsCÍC,C- P»C-PeP°CȚCÍCHPePsPiPs P·P°CÍPsP±CÍ CȚPμPμP·

PhPIC,PsPjP°C,PëP·PsPIP°PSCr C-PSC,,PsCḡPjP°C†C-PNḡPSCr CḡPëCḡC,PμPjCr P·
C,,P°CḡPjP°PePsPSP°PiP»CḡPrCr P·P° PïPsCḡPëP»P°PSPSCḡPj: <https://aisf.dec.gov.ua>

PŷPμCḡPjC-PS PïCḡPëPrP°C,PSPsCḡC,C-. 3 CḡPsPePë.

PJPjPsPIPë P·P±PμCḡC-PiP°PSPSCḡ. P—P±PμCḡC-PiP°C,Pë PïCḡPë C,PμPjPiPμCḡP°C,CrCḡC-
PSPëPḡC†Pμ 25 B°Pŷ, PSPμ PsC...PsP»PsPrPḡCrPIP°C,Pë P°P±Ps PSPμ
P·P°PjPsCḡPsPḡCrPIP°C,Pë. P—P±PμCḡC-PiP°C,Pë PI PSPμPrPsCḡC,CrPïPSPsPjCr PrP»Cḡ
PrC-C,PμPNḡ PjC-CḡC†C-.

PJPïP°PePsPIPëP°. PμPs 7 C,P°P±P»PμC,PsPe Cr P±P»C-CḡC,PμCḡC-; PïPs 1
P±P»C-CḡC,PμCḡCr PI PePsCḡPsP±C†C- (PrP»Cḡ C,P°P±P»PμC,PsPe PïPs 150 PjPi C,P° 250 PjPi);
PïPs 10 C,P°P±P»PμC,PsPe Cr P±P»C-CḡC,PμCḡC-; PïPs 3 P±P»C-CḡC,PμCḡPë PI
PePsCḡPsP±C†C- (PrP»Cḡ C,P°P±P»PμC,PsPe PïPs 50 PjPi, 150 PjPi C,P° 250 PjPi).

PḡP°C,PμPiPsCḡC-Cḡ PIC-PrPïCrCḡPeCr. P—P° CḡPμC†PμPïC,PsPj.

P'PëCḡPsP±PSPëPe. PμP>P†P'Ph PḡCḡPIP°C,CḡPeP° Pr.Ps.Ps.

**PḡC-CḡC†PμP·PSP°C...PsPrPḡPμPSPSCḡ PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPμCḡP°
PjC-CḡC†Cḡ PïCḡPsPIP°PrPḡPμPSPSCḡ PNḡPsPiPs PrC-CḡP»CHḡPSPsCḡC,C-.**

PμCḡC-P»P°P· P±P°CḡCrPSP° PḡC-P»C-PïPsPIPëC†P° 25, 10000 P—P°PiCḡPμP±,
PḡPsCḡPIP°C,C-Cḡ.