

Р†РќРЎРЎР РЈРЉРІР†РЇ

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

P—PhP>P•PJPh

(ZOLEUM)

[illegible]
$$P\check{Y}P\epsilon P\gg P^{\circ}P\Gamma:$$
$$PrC-C\bar{H}C\#P^{\circ} \quad C\bar{H}P_{\mu}C\#PsPIP\ddot{e}PSP^{\circ}: P\cdot PsP\gg P_{\mu}PrC\bar{H}PsPSPsPIP^{\circ} \quad PeP\ddot{e}C\bar{I}'P\gg PsC,P^{\circ};$$

100 PjP» CĤPsP·C‡PēPSCr PjC–CĬC,CĬC,CH P·PsP»PμPrCĤPsPSPsPIPsC— PePēCĬP»PsC,Pē
PjPsPSPsPiC–PrCĤP°C,Cr PI PīPμCĤPμCĤP°C...CrPIP°PSPSC– PSP° P·PsP»PμPrCĤPsPSPsPICr
PePēCĬP»PsC,Cr 5 PjPi;B B B B

*PrPsPiPsPjC-P¶PSC- C¶PµC¶PsPIPëPSPë: PjP°PSC-C, (P• 421), PSP°C,C¶C-C¶ C†PëC,C¶P°C,,
PIPsPrP° PrP»C¶ C-PSB¶™C"PeC†C-PN.*

B

$$\text{P} \rightarrow \text{C}-\text{P}\epsilon\text{P}^{\circ}\text{C}\bar{\eta}\text{C}\acute{\eta}\text{C}\bar{\eta}\text{P}\epsilon\text{P}^{\circ}\text{C}_{,,}\text{PsC}\bar{\eta}\text{PjP}^{\circ}. \text{P PsP}\cdot\text{C}\ddagger\text{P}\ddot{\epsilon}\text{PS PrP}\gg\text{Cl C-PSC}_{,,}\text{CrP}\cdot\text{C-PrP}_{\circ}$$

*PhCl'PSPsPIPSC- C,,C-P·PëPePs-C...C-PjC-C#PSC- PIP»P°Cl'C,PëPIPsCl'C,C-: PìCḡPsP·PsCḡPëPNḡ
P±PμP·P±P°CḡPIPSPëPNḡ CḡPsP·C#PëPS.*

P_αP°C₇PjP°PePsC,PμC₇P°PiPμPIC,PëC±PSP° PiC₇CrPiP°. P—P°CΓPsP±Pë, C%oPs
PIPiP»PëPIP°C₇C,C_H PSP° CΓC,C₇CrPëC,CrC₇Cr C,P° PjC-PSPμC₇P°P»C-P·P°C†C-C_H
PeC-CΓC,P_sPe. P'C-CΓC,,PsCΓC,,PsPSP°C,Pë. РльPsPr P_hPÿPΓ M05B A08.

$$P\alpha P^{\circ}C\bar{H}PjP^{\circ}P_{\epsilon}PsP\gg PsPiC-C\bar{H}PSC-PIP\gg P^{\circ}C\bar{I}C,P\bar{e}PIPsC\bar{I}C,C-.$$
$$P \propto P^\circ C \bar{h} P j P^\circ P \epsilon P s P \tau P \ddot{e} P S P^\circ P j C - P \epsilon P^\circ.$$

$P\hbar P\mu C...P^{\circ}PSC-P\cdot P_j P\tau C-C-.$ $P-PsP\gg P_{\mu}PrC\bar{H}PsPSPsPIP^{\circ}$ $PeP\ddot{C}I'P\gg PsC,P^{\circ}PSP^{\circ}P\gg P_{\mu}P\Pi P\ddot{C},CH$
 $PrPs$ $PeP\gg P^{\circ}C'I'Cr$ $P^{\circ}P\cdot PsC,PsPIPjC-C'I'PSP\ddot{C}...$ $P\pm C-C'I'C,,PsC'I'C,,PsPSP^{\circ}C,C-PI$ $C-PrC-C''$
 $PSP^{\circ}C'I'P^{\circ}P_jPiP_{\mu}C\bar{H}P_{\mu}Pr$ PSP° $PeC-C'I'C,PeP\ddot{C}.$ $P'PsPSP^{\circ}C''$ $C-PSPiC-P\pm C-C,PsC\bar{H}PsP_j$
 $PsPiPsC'I'P_{\mu}C\bar{H}P_{\mu}PrPePsPIP^{\circ}PSPsC-$ $PsC'I'C,P_{\mu}PsPeP\gg P^{\circ}C'I'C,PsP_j$ $C\bar{H}P_{\mu}P\cdot PsC\bar{H}P\pm C\ddagger C-C-$
 $PeC-C'I'C,PePsPIPsC-C,PeP^{\circ}PSP\ddot{C}PSP\ddot{C}.$

$$P\propto P^{\circ}C\overline{H}PjP^{\circ}PePsPrP\ddot{e}PSP^{\circ}PjC-C\ddagger PSC-P\mu C,,P\mu PeC,P\ddot{e}.$$

PŸPµP»PµPeC,PëPIPSP° PrC-Cl P±C-ClC,,PsClC,,PsPSP°C,C-PI PSP° PeC-ClC,PePë
 P·CfPjPsPIP»PµPSP° C—C... PIPëClPSPePsCĤ ClPîPsCĤC-PrPSPµPSC-ClC,Ch P·
 PjC-PSPµCĤP°P»C-P·PsPIP°PSPsCĤ PeC-ClC,PePsPIPsCĤ C,PeP°PSPëPSPsCĤ.
 P“PsP»PsPIPSsCĤ PjPsP»PµPeCfP»ClCĤPSPsCĤ PjC-CëPµPSPSCĤ
 P·PsP»PµPrCĤPsPSPsPIPsC— PePëClP»PsC,Pë PI PsClC,PµPsPeP»P°ClC,C- C”
 C,,PµCĤPjPµPSC, C,,P°CĤPSPµP·PëP»PîC-CĤPsC,,PsClC,,P°C,ClPëPSC,P°P·P°. P”PsPIPiP°
 C,CĤPëPIP°P»C-ClC,Ch PrC-C— P·PsP»PµPrCĤPsPSPsPIPsC— PePëClP»PsC,Pë
 P·CfPjPsPIP»PµPSP° C—C— PIPëClPSPePsCĤ ClPîPsCĤC-PrPSPµPSC-ClC,Ch
 P·PIBĤ™ ClP·CfPIP°PSPSCl P· P°PeC,PëPIPSPëPj C†PµPSC,CĤPsPj
 C,,P°CĤPSPµP·PëP»PîC-CĤPsC,,PsClC,,P°C,ClPëPSC,P°P·Pë C,P° ClPëP»ChPSPsCĤ
 ClPîPsCĤC-PrPSPµPSC-ClC,Ch PrPs P·PIBĤ™ ClP·CfPIP°PSPSCl P·
 PeC-ClC,PePsPIPëPjPë PjC-PSPµCĤP°P»P°PjPë.

P>C-PeCfPIP°PSPSCl P·PsP»PµPrCĤPsPSPsPIPsCĤ PePëClP»PsC,PsCĤ CëPIPëPrPePs
 P·PjPµPSCëCfC” C-PSC,PµPSClPëPIPSC-ClC,Ch PjPµC,P°P±PsP»C-P·PjCf PI
 PeC-ClC,PePsPIC-PNë C,PeP°PSPëPSC-: PIC-Pr PîC-PrPIPëC%PµPSPëC... Cf
 PîPsClC,PeP»C-PjP°PeC,PµCĤPëC†PSPëPNë PîPµCĤC-PsPr CĤC-PIPSC-PI P·
 PSP°PNëPSPëP¶C†PsCĤ C,PsC†PePsCĤ PrP»Cl PjP°CĤPePµCĤC-PI
 CĤPµClPSPsCĤP±C†C-C— PSP° ClCĤPsPjCf PrPsP±Cf C- PrPs PjP°CĤPePµCĤC-PI
 C,,PsCĤPjP°C†C-C— PSP° 12-PNë C,PëP¶PrPµPSCĤ. PµC-ClP»Cl C†ChPsPiPs
 CĤC-PIPµPSCĤ PjP°CĤPePµCĤC-PI ClC,P°PSCf PeC-ClC,PePsPIPsC— C,PeP°PSPëPSPë
 PIClC,P°PSPsPIP»CĤPIP°PIClCl Cf PjPµP¶P°C... PrC-P°PîP°P·PsPSCf, C%Ps
 ClPîPsClC,PµCĤC-PiP°PIClCl PrPs PjPµPSPsPîP°CfP·Pë. PkPµ
 ClPîPsClC,PµCĤC-PiP°P»PsClCl PîCĤPsPiCĤPµClCfCĤC†PsPiPs P·PSPëP¶PµPSPSCl
 CĤC-PIPSCl PjP°CĤPePµCĤC-PI PjPµC,P°P±PsP»C-P·PjCf PI PeC-ClC,PePsPIC-PNë
 C,PeP°PSPëPSC- PîCĤPë PIPiPµPrPµPSPSC- PîPsPIC,PsCĤPSPëC... C%PsCĤC-C†PSPëC...
 PrPsP·.

PµP»C-PSC-C†PSP° PµC,,PµPeC,PëPIPSC-ClC,Ch P»C-PeCžPIP°PSPSCl
PîPsClC,PjPµPSPsPîP°CžP·PSPsPiPs PsClC,PµPsPîPsCĤPsP·Cž

P·C,,PµPeC,PëPIPSC-ClC,Ch C,P° P±PµP·PîPµPeP° P·PsP»PµPrCĤPsPSPsPIPsC—
 PePëClP»PsC,Pë PI PrPsP·C- 5 PjPi 1 CĤP°P· PSP° CĤC-Pe PIPîCĤPsPrPsPIP¶ 3 CĤPsPeC-PI
 PîPsClPîC-P»Ch P±CfP»Pë PrPsPIPµPrPµPSC- PrP»Cl P¶C-PSPsPe Cf PîPµCĤC-PsPrC-
 PîPsClC,PjPµPSPsPîP°CfP·Pë (7736 P¶C-PSPsPe PIC-PePsPj 65BĤ“89 CĤPsPeC-PI) P·
 C,P°PePëPjPë PîPsPeP°P·PSPëPeP°PjPë: PŸ-PîPsPeP°P·PSPëPe PjC-PSPµCĤP°P»ChPSPsC—
 C%C-P»ChPSPsClC,C- PeC-ClC,PePsPIPsC— C,PeP°PSPëPSPë (PĤP©PĤPŸ) Cf
 PrC-P»ClPSC†C- CëPëPNëPePë ClC,PµPiPSP° ≤ BĤ“1,5 C,P° PîCĤPëPSP°PNëPjPSC- PsPrPëPS
 PîPµCĤPµP»PsPj C...CĤPµP±C†Cl PîPsPjC-CĤPSPsC— C,ClP¶PePsClC,C- P°P±Ps PrPIP°
 P»PµPiPePëC...; PŸ-PîPsPeP°P·PSPëPe PĤP©PĤPŸ CëPëPNëPePë ClC,PµPiPSP° ≤ BĤ“2,5 P·
 PsP·PSP°PeP°PjPë PîPµCĤPµP»PsPjCf C...CĤPµP±C†Cl P°P±Ps P±PµP·. 85 %
 PîP°C†C-C”PSC,PsPe CĤP°PSC-CëPµ PSC-PePsP»Pë PSPµ PîCĤPëPNëPjP°P»Pë
 P±C-ClC,,PsClC,,PsPSP°C,Pë. P-C-PSPePë, ClPeC- PîCĤPsC...PsPrPëP»Pë
 PsC†C-PSCĤPIP°PSPSCl C%PsPrPs C†P°ClC,PsC,Pë PîPµCĤPµP»PsPjC-PI C...CĤPµP±C†C-PI,
 PSPµ PsC,CĤPëPjCfPIP°P»Pë PsPrPSPsC†P°ClPSPsC— C,PµCĤP°PîC-C— P· PîCĤPëPIPsPrCf
 PsClC,PµPsPîPsCĤPsP·Cf, P·P°ClC,PsClCfPIP°PSPSCl ClPePsC— PrPsP·PIPsP»ClP»PsClCl Cf
 P¶C-PSPsPe, PIPeP»CĤC†PµPSPëC... PI PsC†C-PSCĤPIP°PSPSCl PîPµCĤPµP»PsPjC-PI
 ClC,PµPiPSP° C,P° CfClC-C... PeP»C-PSC-C†PSPs PIPëCĤP°P¶PµPSPëC... PîPµCĤPµP»PsPjC-PI.
 PĤPrPSPsC†P°ClPSP° C,PµCĤP°PîC-Cl P· PîCĤPëPIPsPrCf PsClC,PµPsPîPsCĤPsP·Cf

PIPeP»CĤC†P°P»P°: PeP°P»CHC†PëC,PsPSC-PS, CĤP°P»PsPeCĤPëC,,PμPS,
C,P°PjPsPeCĤPëC,,PμPS, PiPsCĤPjPsPSP°P»CHPSCr P·P°PjC-CĤPSCr C,PμCĤP°PïC-CĤ,
C,PëP±PsP»PsPS; C-PSC€C- P±C-CĤC,,PsCĤC,,PsPSP°C,Pë P±C†P»Pë PIPëPeP»CĤC†PμPSC-
PjCĤC- P¶C-PSPePë PrPsPrP°C,PePsPIPs PsC,CĤPëPjC†PIP°P»Pë PIC-Pr 1000 PrPs 1500 PjPi
PμP»PμPjPμPSC,P°CĤPSPSPiPs PeP°P»CHC†C-CĤ C,P° PIC-Pr 400 PrPs 1200 PĥPh
PIC-C,P°PjC-PSCr D PSP° PrPsP±C†.

P'PiP»PëPI PSP° PjPsCĤC,,PsPjPμC,CĤPëC†PSC- PiPμCĤPμP»PsPjPë C...CĤPμP±C†C-PI

P>C-PeC†PIP°PSPSCĤ P·PsP»PμPrCĤPsPSPsPIPsCĤ PePëCĤP»PsC,PsCĤ CĤC,P°C,PëCĤC,PëC†PSPs
P·PSP°C†C†C%Pμ P·PjPμPSC€C†PIP°P»Ps C†P°CĤC,PsC,C† PsPrPSPsPiPs P°P±Ps
PrPμPeC-P»CHPePsC... PSPsPIPëC... PiPμCĤPμP»PsPjC-PI C...CĤPμP±C†C-PI PiCĤPsC,CĤPiPsPj
C,CĤCHPsC... CĤPsPeC-PI C† C†P°CĤPsPIC-PNë C,PsC†C†C- PIP¶Pμ C†PμCĤPμP· PsPrPëPS
CĤC-Pe (PrPëPI. C,P°P±P»PëC†CĤ 1).

PÿP°P±P»PëC†CĤ 1

P PμP·CĤPjPμ PrP°PSPëC... P· PμC,,PμPeC,PëPIPSPsCĤC,C- CĤC,PsCĤPsPIPSPs
PiPμCĤPμP»PsPjC-PI C...CĤPμP±C†C-PI C†PμCĤPμP· 12, 24 C,P° 36 PjC-CĤCĤC†C-PI

P PμP·C†P»CHC,P°C, P—PsP»PμPrCĤPsPSPsPIP° PePëCĤP»PsC,P° (%)		PμP»P°C†PμP±Ps (%)	PĥP±CĤPsP»CĤC,PSPμ P·PjPμPSC€PμPSPSCĤ C†P°CĤC,PSC,Pë PiPμCĤPμP»PsPjC-PI % (PrPsPIC-CĤC†PëPNë C-PSC,PμCĤPIP°P» бĤ“ P”P†)	P’C-PrPSPsCĤPSPμ P·PjPμPSC€PμPSPSCĤ C†P°CĤC,PSC,Pë PiPμCĤPμP»PsPjC-PI % (P”P†)
PμCĤPëPSP°PNëPjPSC- PsPrPëPS PSPsPIPëPNë PiPμCĤPμP»PsPj C...CĤPμP±C†CĤ (0бĤ“1 CĤC-Pe)	1,5	3,7	2,2 (1,4, 3,1)	60 (43, 72)*
PμCĤPëPSP°PNëPjPSC- PsPrPëPS PSPsPIPëPNë PiPμCĤPμP»PsPj C...CĤPμP±C†CĤ (0бĤ“2 CĤPsPePë)	2,2	7,7	5,5 (4,4, 6,6)	71 (62, 78)*
PμCĤPëPSP°PNëPjPSC- PsPrPëPS PSPsPIPëPNë PiPμCĤPμP»PsPj C...CĤPμP±C†CĤ (0бĤ“3 CĤPsPePë)	3,3	10,9	7,6 (6,3, 9,0)	70 (62, 76)*

* p < 0,0001

Pj PiP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 75 CĤPsPeC-PI, CĤPeC- PsC,CĤPëPjC†PIP°P»Pë
P»C-PeC†PIP°PSPSCĤ P·PsP»PμPrCĤPsPSPsPIPsCĤ PePëCĤP»PsC,PsCĤ, P·PjPμPSC€PëPICĤCĤ
CĤPëP·PëPe PiPμCĤPμP»PsPjC-PI C...CĤPμP±C†C-PI PSP° 60 % PiPsCĤC-PIPSCĤPSPs P·
PiP°C†C-C”PSC,P°PjPë PiCĤC†PiPë PiP»P°C†PμP±Ps (CĤ < 0,0001).

P'PiP»PëPI PSP° PiPμCĤPμP»PsPjPë CĤC,PμPiPSP°

P”PsPIPμPrPμPSPs CĤC,C-PNëPePëPNë PμC,,PμPeC, P·PsP»PμPrCĤPsPSPsPIPsC— PePëCĤP»PsC,Pë
PIPiCĤPsPrPsPIP¶ 3 CĤPsPeC-PI, C%Ps P·C†PjPsPIPëPI P·PjPμPSC€PμPSPSCĤ CĤPëP·PëPeC†

ПірмЧПм»PsPjC-PI CГC, PмPiPSP° PSP° 41 % (95 % P"Pt, 17 % PrPs 58 %). P\$P°CГC, PsC, P°
 ПірмЧПм»PsPjC-PI CГC, PмPiPSP° CГC, P°PSPsPIPëP»P° 1,44 % Cр ПіP°CГC-C"PSC, C-PI, CЛPeC-
 PsC, ЧПPëPjCрPIP°P»Pë P·PsP»PмPrЧПPsPSPsPICр PePëCГP»PsC, Cр, ПіPsЧПC-PIPSCЛPSPs P· 2,49
 % CГPмЧПмPr ПіP°CГC-C"PSC, C-PI, CЛPeC- PsC, ЧПPëPjCрPIP°P»Pë ПіP»P°CГPм±Ps.
 P—PjPмPSCєPмPSPSCЛ ЧПPëP·PëPeCр CГC, P°PSPsPIPëP»Ps 51 % Cр ПіP°CГC-C"PSC, C-PI,
 CЛPeC- ЧПP°PSC-CєPм PSC-PePsP»Pë PSPм ПіЧПPëPмPjP°P»Pë P±C-CГC,, PsCГC,, PsPSP°C, Pë,
 C, P° 42 % Cр ПіP°CГC-C"PSC, C-PI, CЛPePëPj PrPsP·PIPsP»CЛPICГCЛ PsPrPSPsC±P°CГPSPëPм
 ПіЧПPëPмPsPj C, PмЧПP°PіC-C— P· ПіЧПPëPIPsPrCр PsCГC, PмPsPіPsЧПPsP·Cр.

P'PiP»PëPI PSP° PeP»C-PSC-C±PSPs PIPëЧПP°P¶PмPSC- ПіPмЧПм»PsPjPë

PJCГC- PeP»C-PSC-C±PSPs PIPëЧПP°P¶PмPSC- ПіPмЧПм»PsPjPë
 PrC-P°PiPSPsCГC, CрPIP°P»PëCГCЛ PSP° PsCГPSPsPIC- ЧПPмPSC, ПіPмPSPsPiЧПP°C,, C-C—
 C, P°/P°P±Ps PeP»C-PSC-C±PSPëC... PrP°PSPëC... P Pм·CрP»ЧHC, P°C, Pë
 ПіЧПPмPrCГC, P°PIP»PмPSPs Cр C, P°P±P»PëCГC- 2.

PŷP°P±P»PëCГCЛ 2

P\$P°CГC, PsC, P° PeP»ЧHC±PsPIPëC... ПіPsPeP°P·PSPëPeC-PI PeP»C-PSC-C±PSPs
 PIPëЧПP°P¶PмPSPëC... ПіPмЧПм»PsPjC-PI ПіЧПPsC, CЛPiPsPj 3 ЧПPsPeC-PI

P PμP·CřP»CHC,P°C, P—PsP»PμPrCĤPsPSPsPIP° PePëCĤP»PsC,P° (N = 3875), C‡P°CĤC,PsC,P° CĤPIPëC‰P° (%)		PμP»P°C†PμP±Ps (N = 3861), C‡P°CĤC,PsC,P° CĤPIPëC‰P° (%)	PĥP±CĤPsP»CHC,PSPμ P·PjPμPSCëPμPSPSCĤ C‡P°CĤC,PsC,Pë PîPμCĤPμP»PsPjC-PI % (P"P†)	P'C-PrPSPsCĤPSPμ P·PjPμPSCëPμPSPSCĤ CĤPëP·PëPeCř C‡P°CĤC,PsC,Pë PîPμCĤPμP»PsPjC-PI % (P"P†)
P'CřPrCH-CĤPePëP№ PeP»C-PSC-C‡PSPs B PIPëCĤP°P¶PμPSPëP№ PîPμCĤPμP»PsPj (1)	8,4	12,8	4,4 (3,0, 5,8)	33 (23, 42)**
PмP»C-PSC-C‡PSPs PIPëCĤP°P¶PμPSPëP№ PîPμCĤPμP»PsPj C...CĤPμP±C†CĤ (2)	0,5	2,6	2,1 (1,5, 2,7)	77 (63, 86)**
PμPμCĤPμP»PsPj C-PSCëPsC— P»PsPeP°P»C-P·P°C†C-C— (1)	8,0	10,7	2,7 (1,4, 4,0)	25 (13, 36)*

*p < 0,001.

**p < 0,0001.

(1) P—P° PIPëPSCЛC, PePsPj PIPмP»PëPePsPiPs ПіP°P»ЧHCГCЛ PePëCГC, C-, PIPмP»PëPePsPiPs
 ПіP°P»ЧHCГCЛ CГC, PsPіPë C, P° ПіPмЧПм»PsPjC-PI PeC-CГC, PsPe P»PëCГHCPSPIPsPiPs
 C±PмЧПмPіP°.

(2) P'PeP»ЧHC±P°ЧHC±Pë PeP»C-PSC-C±PSPs PIPëЧПP°P¶PмPSC- ПіPмЧПм»PsPjPë
 ПіЧПCрPrPSPsC— PeP»C-C, PePë C, P° ПіPsPіPмЧПмPePsPIPëC... C...ЧПPмP±CГC-PI.

*P'PiP»PëPI PSP° PjC-PSPмЧПP°P»ЧHPSCž C%C-P»ЧHPSC-CГC, ЧHC PeC-CГC, PePsPIPsC—
 C, PeP°PSPëPSPë (PмP©PмPŷ)*

PќP° C, P»C- P»C-PeCрPIP°PSPSCЛ P·PsP»PмPrЧПPsPSPsPIPsЧ PePëCГP»PsC, PsЧ

CГPиPсCГC, PиCГC-PиP°P»PсCГC CГC, P°C, PеCГC, PеC±PSPs P·PSP°C±CГC%Pи
 PиC-PrPIPеC%PиPSPSC C PиP°P PиPиPиCГPиPеPсPIPеC... C...CГPиP±CГC-PI,
 PеC-CГC, PсPе CГC, PиPиPSP° C, P° PrPеCГC, P°P»CHPSPsPiPs PIC-PrPrC-P»CГ
 PиCГPсPjPиPSPиPиC— PеC-CГC, PеPе PIC-PrPSPсCГPSPs P»C-PеCГPиP°PSPSC C
 PиP»P°C±PиP±Ps PI CГCГC-C... C±P°CГPсPIPеC... C, PсC±PеP°C... (6, 12, 24 C, P° 36
 PjC-CГC CГC-PI). P»C-PеCГPиP°PSPSC C P·PсP»PиPrCГPсPSPsPiPsC PеPеCГP»PсC, PсCГ
 P·CГPjPсPIPеP»Ps P·CГPсCГC, P°PSPSC C PSP° 6,7 % PиP°P PиPиPиCГPиPеPсPIPеC...
 C...CГPиP±CГC-PI, PSP° 6,0 % бГ CГCГC-C... PеC-CГC, PсPе CГC, PиPиPSP°, PSP° 5,1 % бГ
 C€PеPиPеPе CГC, PиPиPSPсPiPsC— PеC-CГC, PеPе C, P° PSP° 3,2 % бГ PrPеCГC, P°P»CHPSPsPiPs
 PIC-PrPrC-P»CГ PиCГPсPjPиPSPиPиC— PеC-CГC, PеPе PиPсCГC-PIPSC C PSPs P·
 PиP»P°C±PиP±Ps PиCГPсC, CиPиPсPj 3 CГPсPеC-PI.

P°C-CГC, PсP»PсPiC-C C PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе

P°C-PсPiC, P°C, Pе PеC-CГC, PсPе P·P°P±PеCГP°P»PеCГCH C-P· PиCГPиP±PиPSC C
 PеP»CГP±PсPiPsC— PеC-CГC, PеPе C±PиCГPиP· 1 CГC-Pе PиC-CГP»C C, CГPиC, CHPсC—
 C%PсCГC-C±PSPсC— PrPсP·Pе CГ 152 PиP°CГC-C°PSC, PсPе CГ PиPсCГC, PjPиPSPсPiP°CГP·C- P·
 PсCГC, PиPсPiPsCГPсP·PсPj, P· PиCГPеPiPsPrCГ CиPеPсPiPs PиCГPсPiPsPrPеP»PсCГ C
 P»C-PеCГPиP°PSPSC C P·PсP»PиPrCГPсPSPsPiPsC PеPеCГP»PсC, PсCГ (N = 82) P°P±Ps
 PиP»P°C±PиP±Ps (N 70). P°C-CГC, PсPjPсCГC, PсPjPиC, CГPеC±PSPеPиP°P°PSP°P»C-P·
 PиPсPеP°P·P°PI P·PjPиPSC€PиPSPSC CГPиPjPсPrPиP»CHPиP°PSPSC C PеC-CГC, PеPе PSP° 63 %.
 Pj PиP°CГC-C°PSC, PсPе, CиPеC- PсC, CГPеPjCГPиP°P»Pе P»C-PеCГPиP°PSPSC C
 P·PсP»PиPrCГPсPSPsPiPsC PеPеCГP»PсC, PсCГ, PSPи P±CГP»Ps PиPеCиPиP»PиPSPs
 PсCГC, PиPсPjP°P»CиCГC-C—, C, C-P±CГPсP·CГ PеC-CГC, PеPсPiPsPiPs PjPсP·PеCГ P°P±Ps
 C, PсCГPjCГPиP°PSPSC C PSPиP·CГC-P»PсC— PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе.
 PыPиC, CГP°CГPеP»C-PSPsPiP° PjC-C, PеP° PиPеP·PSP°C±P°P»P°CГCH CГ 81 P· 82
 P±C-PсPiC, P°C, C-PI, PсC, CГPеPjP°PSPеC... PIC-Pr PиP°CГC-C°PSC, PсPе PиCГCГPиPе
 P·PсP»PиPrCГPсPSPsPiPsC— PеPеCГP»PсC, Pе. PиC-PеCГPсPеPсPjPиPиCГ CГC, PиCГPSPеPиP°
 C, PсPjPсPiCГP°C, C-C±PSPеPиP° (PjPеPиPы) P°PSP°P»C-P· PиPсPеP°P·P°PI
 P·P±C-P»CHC€PиPSPSC C PсP±бГ C°PjCГ CГPиPсPиC-PсP·PSPсC— CГPиC±PсPiPеPSPе
 PеC-CГC, PеPе C, P° P·P±PиCГPиPиPиPSPSC C P°CГC...C-C, PиPеC, CГCГPе
 CГPиPсPиC-PсP·PSPсC— PеC-CГC, PеPе CГ PиP°CГC-C°PSC, PсPе PиCГCГPиPе
 P·PсP»PиPrCГPсPSPsPiPsC— PеPеCГP»PсC, Pе PиPсCГC-PIPSC C PSPs P· PиP°CГC-C°PSC, PеP°PjPе
 PиCГCГPиPе PиP»P°C±PиP±Ps.

PиP°CГPеPиCГPе CГPиPjPсPrPиP»CHPиP°PSPSC C PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе

PыPиPиCГPеC, C-C±PSP° PrP»C C PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе P»CГPиPSP°
 C, PсCГC, P°C, P°P·P° (BSAP), CГPеCГPсPiPиP°C, PеPсPiPеPиP° N-PеC-PSC±PиPiPеPиP°
 PиCГPсPiPиPiC, PеPr PеPсP»P°PiPиPSC P± C, PеPiCГ (P1NP) C, P° CГPеCГPсPiPиP°C, PеPсPiC-
 P±PиC, P°-Pы-C, PиP»PсPiPиPiC, PеPrPе (b-CTX) PиPеP·PSP°C±P°P»PеCГ Cи PI PиC-PrPиCГCГPиP°C...
 PIC-Pr 517 PrPs 1246 PиP°CГC-C°PSC, C-PI P· PиPиCГC-PсPrPеC±PSPеPjPе
 C-PSC, PиCГPиP°P»P°PjPе PиPиCГPсPrPсPiPи CГCГCHPсPiPs PrPсCГP»C-PrPиPиPSPSC C. PкP°
 C, P»C- P»C-PеCГPиP°PSPSC C P·PсP»PиPrCГPсPSPsPiPsC PеPеCГP»PсC, PсCГ CГ
 C%PсCГC-C±PSC-Pи PrPсP·C- 5 PjPi CГPиPсCГC, PиCГC-PиP°P»PсCГ Cи
 CГC, P°C, PеCГC, PеC±PSPs P·PSP°C±CГC%Pи P·PSPеPиPиPSPSC C CГC-PIPSC Cи
 CГPиPиCГPеC, C-C±PSPсC— PrP»C C PеC-CГC, PеPсPiPsC— C, PеP°PSPеPSPе P»CГPиPSPсC—
 C, PсCГC, P°C, P°P·Pе PSP° 30 % PIC-PrPSPсCГPSPs PиPеC...C-PrPSPсPiPs PиPсPеP°P·PSPеPеP°
 C±PиCГPиP· 12 PjC-CГC CГC-PI, C%Pс P·P±PиCГC-PиP°P»PсCГ Cи PSP° CГC-PIPSC- PSP° 28 %
 PSPеPиC±Pи PиPеC...C-PrPSPсPiPs PиPсPеP°P·PSPеPеP° C±PиCГPиP· 36 PjC-CГC CГC-PI.
 P C-PIPиPSC N-PеC-PSC±PиPiPsPiPs PиCГPсPiPиPiC, PеPrCГ P±CГPI CГC, P°C, PеCГC, PеC±PSPs
 P·PSP°C±CГC%Pи (PSP° 61 %) PSPеPиC±Pи PиPеC...C-PrPSPсPiPs PиPсPеP°P·PSPеPеP°

C#PμCḡPμP· 12 PjC-Cl'ClC†C-PI C- P·P±PμCḡC-PiP°PICl'ClC PSP° CḡC-PIPSC- PSP° 52 %
PSPëP¶C#Pμ PIPëC...C-PrPSPsPiPs PiPsPeP°P·PSPëPeP° C#PμCḡPμP· 36 PjC-Cl'ClC†C-PI.
P C-PIPμPSCḡ P±PμC,P°-PŸ-C,PμP»PsPiPμPiC,PëPrC† P±C†PI Cl'C,P°C,PëCl'C,PëC#PSPs
P·PSP°C#C†C%Pμ (PSP° 61 %) PSPëP¶C#Pμ PIPëC...C-PrPSPsPiPs PiPsPeP°P·PSPëPeP°
C#PμCḡPμP· 12 PjC-Cl'ClC†C-PI C- P·P±PμCḡC-PiP°PICl'ClC PSP° CḡC-PIPSC- PSP° 55 %
PSPëP¶C#Pμ PIPëC...C-PrPSPsPiPs PiPsPeP°P·PSPëPeP° C#PμCḡPμP· 36 PjC-Cl'ClC†C-PI.
PJPiCḡPsPrPsPIP¶ C†Cl'CHPsPiPs PiPμCḡC-PsPrC† P»C-PeC†PIP°PSPSCl P·PSP°C#PμPSPSCl
PjP°CḡPePμCḡC-PI CḡPμPjPsPrPμP»CḡPIP°PSPSCl PeC-Cl'C,PePë P·PSP°C...PsPrPëP»PëCl'ClC
C† PjPμP¶P°C... PiPμCḡPμPrPjPμPSPsPiP°C†P·PSPsPiPs PrC-P°PiP°P·PsPSC† PI PeC-PSC†C-
PePsP¶PSPsPiPs CḡPsPeC†. PμPsPIC,PSCḡPSPμ PIPiPμPrPμPSPSCl PiCḡPμPiP°CḡP°C,C† PSPμ
PiCḡPëP·PiPsPrPëP»Ps PrPs PrPsPrP°C,PePsPiPsPiPs P·PjPμPSCëPμPSPSCl CḡC-PIPSC-PI
PjP°CḡPePμCḡC-PI CḡPμPjPsPrPμP»CḡPIP°PSPSCl PeC-Cl'C,PePë.

P'PiP»PëPI PSP° P·CḡC-Cl'C,

PJ C,CḡPëCḡC-C#PSPsPjC† PrPsC†P»C-PrP¶PμPSPSC- PiCḡPë PsCl'C,PμPsPiPsCḡPsP·C-
P·CḡC-Cl'C, C† PiPsP»PsP¶PμPSPSC- PiP°C†C-C"°PSC,P° Cl'C,PsClC#Pë PIPëP·PSP°C#P°PICl'ClC
C%PsCḡC-C#PSPs P·P° PrPsPiPsPjPsPiPsCḡ Cl'C,P°PrC-PsPjPμC,CḡP°. P' PiCḡC†PiC-
P·PsP»PμPrCḡPsPSPsPiPsC— PePëC†P»PsC,Pë PIPëClPIP»PμPSPs PjPμPSCëC†
(PiCḡPëP±P»PëP·PSPs PSP° 2,5 PjPj) PIC,CḡP°C,C† P·CḡPsCl'C,C† PiPsCḡC-PIPSClPSPs P·
PiCḡC†PiPsCḡ PiP»P°C†PμP±Ps (95 % P"P†: 1,6 PjPj, 3,5 PjPj) [p < 0,0001].

P"PSC- PSPμPiCḡP°C†PμP·PrP°C,PSPsCl'C,C-

P»C-PeC†PIP°PSPSCl P·PsP»PμPrCḡPsPSPsPiPsCḡ PePëC†P»PsC,PsCḡ Cl'C,P°C,PëCl'C,PëC#PSPs
P·PSP°C#C†C%Pμ P·PjPμPSCëC†PIP°P»Ps Cl'PμCḡPμPrPSCḡ PeC-P»CHPeC-Cl'C,CH PrPSC-PI
PsP±PjPμP¶PμPSPsC— P°PeC,PëPIPSPsCl'C,C- C,P° PeC-P»CHPeC-Cl'C,CH PrPSC-PI
PiPμCḡPμP±C†PIP°PSPSCl C† P»C-P¶PeC† C#PμCḡPμP· P±C-P»CH C† Cl'PiPëPSC- PSP° 17,9
PrPSCl C,P°

11,3 PrPSCl PIC-PrPiPsPIC-PrPSPs PiPsCḡC-PIPSClPSPs P· PiP»P°C†PμP±Ps, P° C,P°PePsP¶
Cl'C,P°C,PëCl'C,PëC#PSPs P·PSP°C#C†C%Pμ P·PjPμPSCëC†PIP°P»Ps Cl'PμCḡPμPrPSCḡ
PeC-P»CHPeC-Cl'C,CH PrPSC-PI PsP±PjPμP¶PμPSPsC— P°PeC,PëPIPSPsCl'C,C- C,P° PrPSC-PI
PiPμCḡPμP±C†PIP°PSPSCl C† P»C-P¶PeC† C#PμCḡPμP· PiPμCḡPμP»PsPjPë PSP° 2,9 PrPSCl
C,P°

0,5 PrPSCl PIC-PrPiPsPIC-PrPSPs PiPsCḡC-PIPSClPSPs P· PiP»P°C†PμP±Ps (PrP»ClC C†Cl'C-C...
PiPsPeP°P·PSPëPeC-PI Cḡ < 0,01).

*PμP»C-PSC-C#PSP° PμC,,PμPeC,PëPIPSC-Cl'C,CH PiCḡPë P»C-PeC†PIP°PSPSC-
PsCl'C,PμPsPiPsCḡPsP·C† C† PiP°C†C-C"°PSC,C-PI P· PiC-PrPIPëC%PμPSPëPj CḡPëP·PëPePsPj
PiPμCḡPμP»PsPjC-PI PiC-Cl'P»ClC PSPμC%PsPrP°PIPSPs PiPμCḡPμPSPμCl'PμPSPsPiPs
PiPμCḡPμP»PsPjC† Cl'C,PμPiPSP° (RFT)*

PŸP°Cl'C,PsC,P° PeP»C-PSC-C#PSPs PIPëCḡP°P¶PμPSPëC... PiPμCḡPμP»PsPjC-PI, C† C,PsPjC†
C#PëC†P»C- PiPμCḡPμP»PsPjC-PI C...CḡPμP±C†C-PI, PiPμCḡPμP»PsPjC-PI C-PSCëPsC—
P»PsPeP°P»C-P·P°C†C-C— C,P° PiPμCḡPμP»PsPjC-PI PeC-Cl'C,PsPe Cl'C,PμPiPSP°,
PsC†C-PSCḡPIP°P»P°Cl'ClC C† 2127 C#PsP»PsPIC-PeC-PI C,P° P¶C-PSPsPe PIC-PePsPj 50Bḡ"95
CḡPsPeC-PI (Cl'PμCḡPμPrPSC-PNë PIC-Pe 74,5 CḡPsPeC†) P· PSPμC%PsPrP°PIPSPs
(PiCḡPsC,ClPiPsPj 90 PrPSC-PI) PiPμCḡPμPSPμCl'PμPSPëPjPë
PSPëP·CHPePsC,CḡP°PIPjP°C,PëC#PSPëPjPë PiPμCḡPμP»PsPjP°PjPë Cl'C,PμPiPSP°,
Cl'PiPsCl'C,PμCḡPμP¶PμPSPSCl P·P° ClPePëPjPë PIPμP»PsCl'ClC PI Cl'PμCḡPμPrPSCḡPsPjC†

****p < 0,01.**

(1) P—P° PIPëPSCЦC,PePsPj PIPμP»PëPePsPiPs PïP°P»CHC†CЦ PePëCГC,C-, PIPμP»PëPePsPiPs PïP°P»CHC†CЦ CГC,PsPïPë C,P° PïPμCГPμP»PsPjC-PI PeC-CГC,PsPe P»PëC†CHbPsPIPsPiPs C†PμCГPμPïP°.

(2) P'PeP»CHC†P°CHC†Pë PeP»C-PSC-C†PSPs PIPëCГP°P¶PμPSC- PïPμCГPμP»PsPjPë PiCГC†PrPSPsC— PeP»C-C,PePë C,P° PïPsPïPμCГPμPePsPIPëC... C...CГPμP±C†C-PI.

P"PsCГP»C-PrP¶PμPSPSCЦ PSPμ PïPμCГPμPrP±P°C†P°P»Ps PIPëP·PSP°C†PμPSPSCЦ CГC,P°C,PëCГC,PëC†PSPs P·PSP°C†C†C%PëC... PIC-PrPjC-PSPSPsCГC,PμPNë C† PeC-P»CHbPePsCГC,C- PïPμCГPμP»PsPjC-PI PeC-CГC,PsPe CГC,PμPiPSP°, P°P»Pμ CГPïPsCГC,PμCГC-PïP°P»P°CГCЦ C,PμPSPPrPμPSC†C-CЦ PrPs P·PjPμPSC€PμPSPSCЦ C†P°CГC,PsC,Pë PSPsPIPëC... PïPμCГPμP»PsPjC-PI CГC,PμPiPSP°.

PjCГC- P»PμC,P°P»CHbPSC- PIPëPïP°PrPePë CГC,P°PSPsPIPëP»Pë 10 % (101 PïP°C†C-C"PSC,) C† PiCГC†PiC- P»C-PeC†PIP°PSPSCЦ P·PsP»PμPrCГPsPSPsPIPsCГ PePëCГP»PsC,PsCГ PïPsCГC-PIPSCЦPSPs P· 13 % (141 PïP°C†C-C"PSC,) C† PiCГC†PiC- PïP»P°C†PμP±Ps. PïPμ PIC-PrPïPsPIC-PrP°C" P·PjPμPSC€PμPSPSCГ PSP° 28 % CГPëP·PëPeC† P»PμC,P°P»CHbPSPsPiPs PSP°CГP»C-PrPeC† P· P±C†PrCHb-CЦPePëC... PïCГPëC†PëPS (CГ = 0,01).

P§P°CГC,PsC,P° CГPïPsPIC-P»CHbPSPμPSPsPiPs P·CГPsC%PμPSPSCЦ PïPμCГPμP»PsPjC-PI CГC,PμPiPSP° P±C†P»P° PïPsCГC-PIPSCЦPSPSPsCГ PI PiCГC†PïP°C... P·PsP»PμPrCГPsPSPsPIPsC— PePëCГP»PsC,Pë (34 [3,2 %]) C,P° PïP»P°C†PμP±Ps (29 [2,7 %]).

P'PïP»PëPI PSP° PjC-PSPμCГP°P»CHbPSCž C%C-P»CHbPSC-CГC,CHb PeC-CГC,PePsPIPsC— C,PeP°PSPëPSPë (P¶P©P¶Pÿ)

Pj PrPsCГP»C-PrP¶PμPSPSC- HORIZON-RFT PSP° C,P»C- P»C-PeC†PIP°PSPSCЦ P·PsP»PμPrCГPsPSPsPIPsCГ PePëCГP»PsC,PsCГ CГPïPsCГC,PμCГC-PïP°P»PsCГCЦ CГC,P°C,PëCГC,PëC†PSPs P·PSP°C†C†C%Pμ P·CГPsCГC,P°PSPSCЦ P¶P©P¶Pÿ C†CГC-C... PeC-CГC,PsPe C,P°P·PsCГC,PμPiPSPsPIPsPiPs CГC†PïP»PsP±P° C,P° C€PëPNëPePë CГC,PμPiPSPsPIPsC— PeC-CГC,PePë PIC-PrPSPsCГPSPs P»C-PeC†PIP°PSPSCЦ PïP»P°C†PμP±Ps PI C†CГC-C... C†P°CГPsPIPëC... C,PsC†PeP°C.... P»C-PeC†PIP°PSPSCЦ P·PsP»PμPrCГPsPSPsPIPsCГ PePëCГP»PsC,PsCГ P·C†PjPsPIPëP»Ps P·CГPsCГC,P°PSPSCЦ P¶P©P¶Pÿ PSP° 5,4 % PrP»CЦ C†CГC-C... PeC-CГC,PsPe CГC,PμPiPSP° C,P° PSP° 4,3 % PrP»CЦ C€PëPNëPePë CГC,PμPiPSPsPIPsC— PeC-CГC,PePë PIPiCГPsPrPsPIP¶ 24 PjC-CГCЦC†C-PI PïPsCГC-PIPSCЦPSPs P· PïP»P°C†PμP±Ps.

P¶P»C-PSC-C†PSP° PμC,,PμPeC,PëPIPSC-CГC,CHb Cž C†PsP»PsPIC-PeC-PI

Pj PrPsCГP»C-PrP¶PμPSPSC- HORIZON-RFT 508 C†PsP»PsPIC-PeC-PI CГP°PSPPrPsPjC-P·C†PIP°P»Pë PrP»CЦ C†C†P°CГC,C- PI PrPsCГP»C-PrP¶PμPSPSC-, P° 185 PïP°C†C-C"PSC,C-PI PïCГPsPNëC€P»Pë PsC†C-PSCГPIP°PSPSCЦ P¶P©P¶Pÿ C†PμCГPμP· 24 PjC-CГCЦC†C-. P§PμCГPμP· 24 PjC-CГCЦC†C- CГPïPsCГC,PμCГC-PïP°P»PsCГCЦ P±P»PëP·CHbPePμ P·P° P·PSP°C†PμPSPSCЦPj CГC,P°C,PëCГC,PëC†PSPs P·PSP°C†C†C%Pμ P·CГPsCГC,P°PSPSCЦ PSP° 3,6 % P¶P©P¶Pÿ C†CГC-C... PeC-CГC,PsPe CГC,PμPiPSP° C† PïP°C†C-C"PSC,C-PI, CЦPeC- PsC,CГPëPjC†PIP°P»Pë P»C-PeC†PIP°PSPSCЦ P·PsP»PμPrCГPsPSPsPIPsCГ PePëCГP»PsC,PsCГ, PïPsCГC-PIPSCЦPSPs P· PμC,,PμPeC,PsPj, C%Ps CГPïPsCГC,PμCГC-PïP°PICГCЦ C† P¶C-PSPsPe C† PïPsCГC,PjPμPSPsPïP°C†P·C- PI PrPsCГP»C-PrP¶PμPSPSC- HORIZON-PFT. PÿP°PePsPiPs PrPsCГP»C-PrP¶PμPSPSCЦ P±C†P»Ps PSPμPrPsCГC,P°C,PSCHbPs, C%PsP± PïPsPeP°P·P°C,Pë P·PjPμPSC€PμPSPSCЦ

PeC-P»CHbPePsCfC,C- PeP»C-PSC-C#PSPs PIPeCfP°P¶PµPSPeC... PiPµCfPµP»PsPjC-PI Cr
C#PsP»PsPIC-PeC-PI; C#P°CfC,PsC,P° PeP»C-PSC-C#PSPs PIPeCfP°P¶PµPSPeC...
PiPµCfPµP»PsPjC-PI CfC,P°PSPsPIPeP»P° 7,5 % Cr C#PsP»PsPIC-PeC-PI, C¶PeC-
PsC,CfPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSC¶ P·PsP»PµPrCfPSPSPsPIPsCf PePëCfP»PsC,PsCf,
PiPsCfC-PIPS¶PSPs P· 8,7 % Cr C,PëC..., C...C,Ps PsC,CfPëPjCrPIP°PI PiP»P°C†PµP±Ps.

P' C-PSC¶PsPjCr PrPsCfP»C-PrP¶PµPSPSC- P· CrC#P°CfC,Cf C#PsP»PsPIC-PeC-PI
(PrPsCfP»C-PrP¶PµPSPSC¶ CZOL446M2308) C%PsCfC-C#PSP° C-PSC„CrP·C-C¶
P·PsP»PµPrCfPSPSPsPIPsC— PePëCfP»PsC,Pë P·P°P±PµP·PiPµC#CrPIP°P»P° PSPµ PjPµPSC¶Cr
PµC„PµPeC,PëPIPS-CfC,CHb, PSC-P¶ C%PsC,PëP¶PSPµPIPëPµ PiCfPëPµPsPj
P°P»PµPSPPrCfPSPSP°C,Cr PIC-PrPSPsCfPSPs P·PjC-PSPë PµP©PµPÿ PiPsPiPµCfPµPePsPIPëC...
C...CfPµP±C†C-PI C#PµCfPµP· 24 PjC-CfC¶C†C- P»C-PeCrPIP°PSPSC¶ PiPsCfC-PIPS¶PSPs P·
PiPsC#P°C,PePsPIPëPjPë PiPsPeP°P·PSPëPeP°PjPë.

PµP»C-PSC-C#PSP° PµC„PµPeC,PëPIPS-CfC,CHb PiCfPë PsCfC,PµPsPiPsCfPSP·C-,
P°CfPsC†C-PµPsPIP°PSPsPjCž P· C,CfPëPIP°P»PsCf CfPëCfC,PµPjPSPsCf C,PµCfP°PiC-C"CF
PiP»CFPePsPePsCfC,PëPePsC—PrP°PjPë

P·C„PµPeC,PëPIPS-CfC,CHb C,P° P±PµP·PiPµPeP° P·PsP»PµPrCfPSPSPsPIPsC—
PePëCfP»PsC,Pë PiCfPë P»C-PeCrPIP°PSPSC- C,P° PiCfPsC„C-P»P°PeC,PëC†C-
PsCfC,PµPsPiPsCfPSP·Cr, P°CfPsC†C-PµPsPIP°PSPsPiPs P· C,CfPëPIP°P»PsCf
CfPëCfC,PµPjPSPsCf C,PµCfP°PiC-C"CF PiP»CFPePsPePsCfC,PëPePsC—PrP°PjPë,
PsC†C-PSCfPIP°P»PëCfC¶ PI CfP°PSPPrPsPjC-P·PsPIP°PSPsPjCr
P±P°PiP°C,PsC†PµPSC,CfPSPsPIPsPjCr PiPsPrPIC-PµPSPsPjCr CfP»C-PiPsPjCr
CfC,CfP°C,PëC„C-PePsPIP°PSPsPjCr, P°PeC,PëPIPS PsPsPSC,CfPSP»CHbPsPIP°PSPsPjCr
PrPsCfP»C-PrP¶PµPSPSC- P· CrC#P°CfC,Cf 833 C#PsP»PsPIC-PeC-PI C- P¶C-PSPsPe PIC-PePsPj
PIC-Pr 18 PrPs 85 CfPSPeC-PI (CfPµCfPµPrPSC-Pµ PIC-Pe C#PsP»PsPIC-PeC-PI
CfC,P°PSPsPIPëPI 56,4 CfPSPeCr; P¶C-PSPsPe b¶ 53,5 CfPSPeCr), C¶PeC-
PsC,CfPëPjCrPIP°P»Pë P»C-PeCrPIP°PSPSC¶ PiCfPµPrPSC-P·PsPSPsPj Cr PrPsP·C- > 7,5
PjPi/PrPsP±Cr (P°P±Ps PµPePIC-PIP°P»PµPSC,PSPµ). PµP°C†C-C"PS,C-PI
CfC,CfP°C,PëC„C-PeCrPIP°P»Pë P·P°P»PµP¶PSPs PIC-Pr C,CfPëPIP°P»PsCfC,C-
P·P°CfC,PsCfCrPIP°PSPSC¶ PiP»CFPePsPePsCfC,PëPePsC—PrC-PI PrPs
CfP°PSPPrPsPjC-P·P°C†C— (≤ 3 PjC-CfC¶C†C- PiCfPsC,Pë > 3 PjC-CfC¶C†C-PI).
PÿCfPëPIP°P»C-CfC,CHb PrPsCfP»C-PrP¶PµPSPSC¶ CfC,P°PSPsPIPëP»P° 1 CfC-Pe.
PµP°C†C-C"PS,C-PI CfP°PSPPrPsPjC-P·CrPIP°P»Pë P°P±Ps PrP»C¶ PsC,CfPëPjP°PSPSC¶
PsPrPSPsCfP°P·PsPIPsC— C-PSC„CrP·C-C— P·PsP»PµPrCfPSPSPsPIPsC— PePëCfP»PsC,Pë PI
PrPsP·C- 5 PjPi, P°P±Ps PrP»C¶ PiPµCfPSPCfP°P»CHbPSPsPiPs PiCfPëPµPsPjCr
CfPëP·PµPrCfPSPSP°C,Cr PI PrPsP·C- 5 PjPi PsPrPëPS CfP°P· PSP° PrPsP±Cr PiCfPsC,C¶PiPsPj
1 CfPSPeCr. PjCfC- CrC#P°CfPSPëPePë PrPsPrP°C,PePsPIPs PsC,CfPëPjCrPIP°P»Pë 1000 PjPi
PµP»PµPjPµPSC,P°CfPSPsPiPs PeP°P»CHbC†C-Cf C,P° PIC-Pr

400 PrPs 1000 PµP¶ PIC-C,P°PjC-PSCr D PSP° PrPsP±Cr. P·C„PµPeC,PëPIPS-CfC,CHb
PIPIP°P¶P°P»P°CfC¶ PrPsPIPµPrPµPSPsCf, C¶PeC%Ps P±CrP»P° PiPsPeP°P·P°PSP°
PIC-PrCfCrC,PSC-CfC,CHb PiPµCfPµPIP°PiPë CfPëP·PµPrCfPSPSP°C,Cr PIC-PrPSPsCfPSPs
P·PjC-PSPë Cr PIC-PrCfPsC,PeP°C... PµP©PµPÿ PiPsPiPµCfPµPePsPIPëC... C...CfPµP±C†C-PI
C#PµCfPµP· 12 PjC-CfC¶C†C-PI PiPsCfC-PIPS¶PSPs P· PIPëC...C-PrPSPëPjPë
PiPsPeP°P·PSPëPeP°PjPë PI CfCrP±PiPsPiCrP»C¶C†C-C¶C... P»C-PeCrPIP°PSPSC¶ C,P°
PiCfPsC„C-P»P°PeC,PëPePë PIC-PrPiPsPIC-PrPSPs. P' C-P»CHbC¶C-CfC,CHb PiP°C†C-C"PS,C-PI
PiCfPsPrPsPIP¶CrPIP°P»Pë PiCfPëPµPsPj PiP»CFPePsPePsCfC,PëPePsC—PrC-PI
CrPiCfPsPrPsPIP¶ PsPrPSPsPiPs CfPSPeCr PrPsCfP»C-PrP¶PµPSPSC¶.

P'PiP»PëPI PSP° PjC-PSPµCfP°P»CHbPSCž C%C-P»CHbPSC-CfC,CHb PeC-CfC,PePsPIPsC—

C,PeP°PSPëPSPë (PḥP©PḥPḥ)

P—CḥPsCfC,P°PSPSCḥ PḥP©PḥPḥ PīPsPīPμCḥPμPePsPIPëC... C...CḥPμP±C†C-PI C,P°
C€PëPḥPePë CfC,PμPiPSPsPIPsC— PeC-CfC,PePë P±C†P»Ps CfC,P°C,PëCfC,PëC†PSPs
P·PSP°C†CfC%Pμ PIPëC%PëPj C† PiCḥC†PīC- P»C-PeC†PIP°PSPSCḥ
P·PsP»PμPrCḥPsPSPsPIPsCḥ PePëC†P»PsC,PsCḥ PīPsCḥC-PIPSCḥPSPs P·
CḥPëP·PμPrCḥPsPSP°C,PsPj (PrP»Cḥ C†CfC-C... PīPsPeP°P·PSPëPeC-PI Cḥ < 0,03).

B PJ C†C†P±PīPsPīC†P»CḥC†C-C— PīP°C†C-C”PSC,C-PI, CḥPeC- PīCḥPëPḥPjP°P»Pë
PīP»CḥPePsPePsCḥC,PëPePsC—PrPë P±C-P»CḥC€Pμ PSC-Pḥ 3 PjC-C†CḥC†C- PrPs
CḥP°PSPPrPsPjC-P·P°C†C-C—, P·PsP»PμPrCḥPsPSPsPIP° PePëC†P»PsC,P°
PīC-PrPIPëC%C†PIP°P»P° PḥP©PḥPḥ PīPsPīPμCḥPμPePsPIPëC... C...CḥPμP±C†C-PI PSP° 4,06 %
PīPsCḥC-PIPSCḥPSPs P· 2,71 % PrP»Cḥ CḥPëP·PμPrCḥPsPSP°C,C† (C†PμCḥPμPrPSCḥ
PIC-PrPjC-PSPSC-CfC,Cḥ 1,36 %; Cḥ < 0,001). PJ C†C†P±PīPsPīC†P»CḥC†C-C—
PīP°C†C-C”PSC,C-PI, CḥPeC- PīCḥPëPḥPjP°P»Pë PīP»CḥPePsPePsCḥC,PëPePsC—PrPë
PīCḥPsC,CḥPiPsPj 3 PjC-C†CḥC†C-PI P°P±Ps PjPμPSC€Pμ PrPs CḥP°PSPPrPsPjC-P·P°C†C-C—,
P·PsP»PμPrCḥPsPSPsPIP° PePëC†P»PsC,P° PīC-PrPIPëC%C†PIP°P»P° PḥP©PḥPḥ
PīPsPīPμCḥPμPePsPIPëC... C...CḥPμP±C†C-PI PSP° 2,60 % PīPsCḥC-PIPSCḥPSPs P· 0,64 %
PrP»Cḥ CḥPëP·PμPrCḥPsPSP°C,C† (C†PμCḥPμPrPSCḥ PIC-PrPjC-PSPSC-CfC,Cḥ 1,96 %; Cḥ <
0,001). PīPμ PrPsC†P»C-PrPḥPμPSPSCḥ PSPμ P±C†P»Ps PrPsCfC,P°C,PSC-Pj, C%PsP±
PīPsPeP°P·P°C,Pë P·PjPμPSC€PμPSPSCḥ PeC-P»CḥPePsCfC,C- PeP»C-PSC-C†PSPs
PIPëCḥP°PḥPμPSPëC... PīPμCḥPμP»PsPjC-PI PīPsCḥC-PIPSCḥPSPs P· P»C-PeC†PIP°PSPSCḥPj
CḥPëP·PμPrCḥPsPSP°C,PsPj. PḥC-P»CḥPeC-CfC,Cḥ PIPëPīP°PrPeC-PI PīPμCḥPμP»PsPjC-PI
CfC,P°PSPsPIPëP»P° 8 C† PīP°C†C-C”PSC,C-PI, CḥPeC- PsC,CḥPëPjC†PIP°P»Pë
P·PsP»PμPrCḥPsPSPsPIC† PePëC†P»PsC,C†, PīPsCḥC-PIPSCḥPSPs C-P·

7 C† PīP°C†C-C”PSC,C-PI, CḥPeC- PsC,CḥPëPjC†PIP°P»Pë CḥPëP·PμPrCḥPsPSP°C, (Cḥ = 0,8055).

*PḥP»C-PSC-C†PSP° PμC,,PμPeC,PëPIPSC-CfC,Cḥ PīCḥPë P»C-PeC†PIP°PSPSC-
C...PIPsCḥPsP±Pë PμPμPrPḥPμC,P° P· C†CḥP°PḥPμPSPSCḥPj PeC-CfC,PsPe*

P·C,,PμPeC,PëPIPSC-CfC,Cḥ P·PsP»PμPrCḥPsPSPsPIPsC— PePëC†P»PsC,Pë PIPëPIC†P°P»Pë C†
PīP°C†C-C”PSC,C-PI C†PsP»PsPIC-C†PsC— C,P° PḥC-PSPsC†PsC— CfC,P°C,C- PIC-PePsPj
PīPsPSP°Pr 30 CḥPsPeC-PI P· PīPμCḥPIPëPSPSPsCḥ P»PμPiPePsCḥ P°P±Ps PīPsPjC-CḥPSPsCḥ
C...PIPsCḥPsP±PsCḥ PμPμPrPḥPμC,P° P· C†CḥP°PḥPμPSPSCḥPj PeC-CfC,PsPe (PjPμPrC-P°PSP°
CḥC-PIPSCḥ C†PëCḥPsPIP°C,PePsPIPsC— P»C†PḥPSPsC— C,,PsCfC,,P°C,P°P·Pë C† 2,6ḥ”3,0
CḥP°P·C† PIPëC%Pμ PIPμCḥC...PSCḥPsC— PjPμPḥC- PIPëP·PSP°C†PμPSPsPiPs PrP»Cḥ
PīPμPIPSPsPiPs PIC-PeC† PSPsCḥPjP°P»CḥPSPsPiPs PrC-P°PīP°P·PsPSC† P·PSP°C†PμPSCḥ PSP°
PjPsPjPμPSC, PIPμPrPμPSPSCḥ PI PrPsC†P»C-PrPḥPμPSPSCḥ), PīC-PrC,PIPμCḥPrPḥPμPSPsCḥ
CḥPμPSC,PiPμPSPsP»PsPiC-C†PSPs.

P·C,,PμPeC,PëPIPSC-CfC,Cḥ PsPrPSC-C”C— C-PSC,,C†P·C-C— 5 PjPi
P·PsP»PμPrCḥPsPSPsPIPsC— PePëC†P»PsC,Pë PīPsCḥC-PIPSCḥPSPs P·C- C%PsPrPμPSPSPëPj
PīCḥPëPḥPsPjPsPj 30 PjPi CḥPëP·PμPrCḥPsPSP°C,C† PīCḥPsC,CḥPiPsPj 2 PjC-C†CḥC†C-PI
P±C†P»P° PrPsPIPμPrPμPSP° C† PrPIPsC... 6-PjC-C†CḥC†PSPëC...
PīPsCḥC-PIPSCḥP»CḥPSPëC... PrPsC†P»C-PrPḥPμPSPSCḥC.... PḥPμCḥPμP· 6 PjC-C†CḥC†C-PI
C† PiCḥC†PīC- P·PsP»PμPrCḥPsPSPsPIPsC— PePëC†P»PsC,Pë PIC-PrPīPsPIC-PrCḥ C-
PSPsCḥPjP°P»C-P·P°C†C-Cḥ CḥC-PIPSCḥ C†PëCḥPsPIP°C,PePsPIPsC— P»C†PḥPSPsC—
C,,PsCfC,,P°C,P°P·Pë (PḥP·Pḥ) C†PīPsCfC,PμCḥC-PiP°P»P°C†Cḥ C† 96 % (169/176) C,P° 89 %
(156/176) PīP°C†C-C”PSC,C-PI PīPsCḥC-PIPSCḥPSPs P· 74 % (127/171) C,P° 58 % (99/171)
PīP°C†C-C”PSC,P°PjPë, CḥPeC- PīCḥPëPḥPjP°P»Pë CḥPëP·PμPrCḥPsPSP°C, (PrP»Cḥ C†CfC-C...
PīPsPeP°P·PSPëPeC-PI Cḥ < 0,001).

P—PiC-PrPSPs P· PsP±BTM C''PrPSP°PSPëPjPë C₇PuP·CfP»CHC,P°C,P°PjPë P±P»PëP·CHPePμ
P·P° P·PSP°C±PμPSPSClPj P·PjPμPSC€PμPSPSCl PIPëC₇P°P¶PμPSPsCfC,C- P±PsP»C₇
CfPiPsCfC,PμC₇C-PiP°P»PsCfC PīC₇PsC,ClPiPsPj 6 PjC-CfC₇C-C-PI PīC₇Pë
P»C-PeCfPIP°PSPSC- P·PsP»PμPrC₇PsPSPsIPsC₇ PePëCfP»PsC,PsC₇ C,P°
C₇PëP·PμPrC₇PsPSP°C,PsPj.

PμP°C+C-C''PSC,Pë, PIC-PrPSPμCfPμPSC- PrPs C₇PμCfPiPsPSPPrPμC₇C-PI
PSP°PīC₇PëPeC-PSC+C- 6 PjC-CfC₇C+C-PI PsCfPSPsIPSPsPiPs PrPsCfP»C-PrP¶PμPSPSCl,
PIPIP°P¶P°P»PëCfC PīC₇PëPrP°C,PSPëPjPë PrP»C₇ PIPμPrPμPSPSCl Cf
PīC₇PsPrPsPIP¶PμPSPëPμ PīPμC₇C-PsPr CfPiPsCfC,PμC₇PμP¶PμPSPSCl. P—C- 153
PīP°C+C-C''PSC,C-PI, ClPePëC... P»C-PeCfPIP°P»Pë P·PsP»PμPrC₇PsPSPsIPsC₇
PePëCfP»PsC,PsC₇ C,P° 115 PīP°C+C-C''PSC,C-PI, ClPeC- PīC₇PëPμPjP°P»Pë
C₇PëP·PμPrC₇PsPSP°C,, PIPμPrPμPSPëC... Cf PīC₇PsPrPsPIP¶PμPSPμ
PsP±CfPμC₇PIP°C+C-PμPSPμ PrPsCfP»C-PrP¶PμPSPSCl, PīC-CfP»C₇
CfPiPsCfC,PμC₇PμP¶PμPSPSCl CfPμC₇PμPrPSC₇PsC₇ C,C₇PëPIP°P»C-CfC,C₇ 3,8 C₇PsPeCf
P· PjPsPjPμPSC,Cf P»C-PeCfPIP°PSPSCl C±P°CfC,PeP° PīP°C+C-C''PSC,C-PI, ClPeC-
PIPëPμC€P»Pë P· PrPsCfP»C-PrP¶PμPSPSCl C±PμC₇PμP· PīPsC,C₇PμP±Cf Cf
PīPsPIC,PsC₇PSPsPjCf P»C-PeCfPIP°PSPSC- (PeP»C-PSC-C±PSP° PsC+C-PSPeP°), P±CfP»P°
PIPëC%PsC₇ Cf PīC₇CfPīC- P»C-PeCfPIP°PSPSCl C₇PëP·PμPrC₇PsPSP°C,PsPj (48
PīP°C+C-C''PSC,C-PI, P°P±Ps 41,7 %) PīPsC₇C-PIPSClPSPs C-P· P·PsP»PμPrC₇PsPSPsIPsC₇
PePëCfP»PsC,PsC₇ (11 PīP°C+C-C''PSC,C-PI, P°P±Ps 7,2 %). PŸPμC₇PμPrPSC-Pμ C±P°Cf PrPs
P·P°PeC-PSC±PμPSPSCl CfC±P°CfC,C- Cf PrPsCfP»C-PrP¶PμPSPSClC... C±PμC₇PμP·
PīPsC,C₇PμP±Cf Cf PīPsPIC,PsC₇PSPsPjCf P»C-PeCfPIP°PSPSC- P· PīC₇PëPIPsPrCf
C...PIPsC₇PsP±Pë PμPμPrP¶PμC,P° PIC-Pr PjPsPjPμPSC,Cf PīPsC±P°C,PePsIPsPiPs
P»C-PeCfPIP°PSPSCl P±CfPI PrPsPIC€PëPj PrP»C₇ PīP°C+C-C''PSC,C-PI, ClPeC-
PīC₇PëPμPjP°P»Pë P·PsP»PμPrC₇PsPSPsPICr PePëCfP»PsC,Cf (7,7 C₇PsPeCf), PSC-P¶ PrP»C₇
PīP°C+C-C''PSC,C-PI, ClPeC- PīC₇PëPμPjP°P»Pë C₇PëP·PμPrC₇PsPSP°C, (5,1 C₇PsPeCf).

6 PīP°C+C-C''PSC,C-PI, ClPeC- PrPsCfC₇PIP»Pë C,PμC₇P°PīPμPIC,PëC±PSPsC—
PIC-PrPīPsPIC-PrC- C±PμC₇PμP· 6 PjC-CfC₇C+C-PI PīC-CfP»C₇ P»C-PeCfPIP°PSPSCl
P·PsP»PμPrC₇PsPSPsIPsC₇ PePëCfP»PsC,PsC₇ C,P° PI ClPePëC... PīC-P·PSC-C€Pμ
C₇PsP·PIPëPSCfP»PëCfC₇ C₇PμCfPëPrPëPIPë P·P°C...PIPsC₇C₇PIP°PSPSCl PīC-Pr C±P°Cf
PīC₇PsPrPsPIP¶PμPSPsPiPs PīPμC₇C-PsPrCf CfPiPsCfC,PμC₇PμP¶PμPSPSCl,
PsC,C₇PëPjP°P»Pë PīPsPIC,PsC₇PSPμ P»C-PeCfPIP°PSPSCl P·PsP»PμPrC₇PsPSPsIPsC₇
PePëCfP»PsC,PsC₇ PI CfPμC₇PμPrPSC₇PsPjCf C±PμC₇PμP·

6,5 C₇PsPeCf PīC-CfP»C₇ PīPμC₇C€PsPiPs P»C-PeCfPIP°PSPSCl. 5 C-P· 6 PīP°C+C-C''PSC,C-PI
PjP°P»Pë C₇C-PIPμPSC₇ P»CfP¶PSPsC— C,,PsCfC,,P°C,P°P·Pë PI CfPëC₇PsPIP°C,C+C-
PeC₇PsPIC- Cf PjPμP¶P°C... PSPsC₇PjP°P»CHPSPsPiPs PrC-P°PīP°P·PsPSCr C±PμC₇PμP· 6
PjC-CfC₇C+C-PI.

P"C-CfC,PsP»PsPiC-C₇ PeC-CfC,PePsIPsC— C,PeP°PSPëPSPë PsC+C-PSC₇PIP°P»P°CfC₇ Cf 7
PīP°C+C-C''PSC,C-PI P· C...PIPsC₇PsP±PsC₇ PμPμPrP¶PμC,P° C±PμC₇PμP· 6 PjC-CfC₇C+C-PI
PīC-CfP»C₇ P»C-PeCfPIP°PSPSCl P·PsP»PμPrC₇PsPSPsIPsC₇ PePëCfP»PsC,PsC₇ PI PrPsP·C-
5 PjPi. P PμP·CfP»CHC,P°C,Pë P±C-PsPīCfC-C— PeC-CfC,PsPe PīPsPeP°P·P°P»Pë
PSPsC₇PjP°P»CHPSCr ClPeC-CfC,CH PeC-CfC,PePsIPsC— C,PeP°PSPëPSPë P±PμP·
PsP·PSP°Pe PīPsC₇CfC€PμPSPSCl C₇PμPjPsPrPμP»C₇PIP°PSPSCl PeC-CfC,PePë C,P° P±PμP·
PsP·PSP°Pe PrPμC,,PμPeC,C-PI PjC-PSPμC₇P°P»C-P·P°C+C-C—. P|C- C₇PμP·CfP»CHC,P°C,Pë
CfP·PiPsPrP¶CfC₇,CHCfC₇ P· P±C-PsC...C-PjC-C±PSPëPj PjP°C₇PePμC₇PsPj
PSPsC₇PjP°P»C-P·P°C+C-C— C₇PμPjPsPrPμP»C₇PIP°PSPSCl PeC-CfC,PePsIPsC—
C,PeP°PSPëPSPë.

P„PICḡPsPīPμPNḡCÍCHbPePμ P°PīPμPSC,CÍC,PIPs P»C-PeP°CḡCÍCHbPePëC... P·P°CÍPsP±C-PI
 PIC-PrPeP»PëPeP°P»Ps PIPëPjPsPīCÍ C°PsPrPs PSP°PrP°PSPSCḡ CḡPμP·CÍP»CHbC,P°C,C-PI
 PrPsCÍP»C-PrPḡPμPSCḡ P·PsP»PμPrCḡPsPSPsPIPsC— PePëCÍP»PsC,Pë PI CÍCÍC-C...
 PīC-PrPīCḡCÍPīP°C... PīPμPrC-P°C,CḡPëC±PSPsC— PīPsPīCÍP»CḡCÍC-C— PīCḡPë
 C...PIPsCḡPsP±C- PμPμPrPḡPμC,P° P· CÍCḡP°PḡPμPSPSCḡPj PeC-CÍC,PsPe, P° C,P°PePsPḡ
 PīCḡPë PsCÍC,PμPsPīPsCḡPsP·C- CÍ PḡC-PSPsPe CÍ PīPsCÍC,PjPμPSPsPīP°CÍP·C- P·
 PīC-PrPIPëC°PμPSPëPj CḡPëP·PëPePsPj PīPμCḡPμP»PsPjC-PI, PsCÍC,PμPsPīPsCḡPsP·C- CÍ
 C±PsP»PsPIC-PeC-PI P· PīC-PrPIPëC°PμPSPëPj CḡPëP·PëPePsPj PīPμCḡPμP»PsPjC-PI C,P°
 PrP»Cḡ PīCḡPsC,,C-P»P°PeC,PëPePë PeP»C-PSC-C±PSPs PIPëCḡP°PḡPμPSPëC...
 PīPμCḡPμP»PsPjC-PI PīC-CÍP»Cḡ PīPμCḡPμP»PsPjCÍ CÍC,PμPīPSP° CÍ C±PsP»PsPIC-PeC-PI C,P°
 PḡC-PSPsPe.

PαP°CḡPjP°PePsPeC-PSPμC,PëPeP°.

Pj CḡPμP·CÍP»CHbC,P°C,C- PīCḡPsPIPμPrPμPSPSCḡ PsPrPSPsCḡP°P·PsPIPëC... C-
 P±P°PīP°C,PsCḡP°P·PsPIPëC... 5- C- 15-C...PIPëP»PëPSPSPëC... C-PSC,,CÍP·C-PNḡ CÍ PrPsP·P°C...

2, 4, 8 C- 16 PjPī P·PsP»PμPrCḡPsPSPsPIPsC— PePëCÍP»PsC,Pë 64 PīP°CÍC-C°PSC,P°Pj P±CÍP»Pë
 PsC,CḡPëPjP°PSC- PSPëPḡC±PμPSP°PīPμPrPμPSC- PrP°PSC- C,,P°CḡPjP°PePsPeC-PSPμC,PëPePë,
 C°Ps PSPμ P·P°P»PμPḡP°P»Pë PIC-Pr PrPsP·Pë.

PḡC-CÍP»Cḡ PīPsC±P°C,PeCÍ C-PSC,,CÍP·C-C— P·PsP»PμPrCḡPsPSPsPIPsC—
 PePëCÍP»PsC,Pë PīP»P°P·PjPsPIP° PePsPSC†PμPSC,CḡP°C†C-Cḡ P°PeC,PëPIPSPsC—
 CḡPμC±PsPIPëPSPë CḡPIPëPrPePs P·P±C-P»CHbC€CÍPIP°P»P°CÍCḡ,
 PrPsCÍCḡPīP°CḡC±Pë PīC-PeP° PSP°PīCḡPëPeC-PSC†C- C-PSC,,CÍP·C-C—, PīPsC,C-Pj
 CḡPIPëPrPePs P·PSPëPḡCÍPIP°P»P°CÍCḡ PrPs < 10 % PīC-PeP° C±PμCḡPμP· 4
 PīPsPrPëPSPë C- PrPs < 1 % PīC-PeP° бḡ“ C±PμCḡPμP· 24 PīPsPrPëPSPë P·
 PīPsPrP°P»CHbC€PëPj C,CḡPëPIP°P»PëPj PīPμCḡC-PsPrPsPj PrCÍPḡPμ PSPëP·CHbPePëC...
 PePsPSC†PμPSC,CḡP°C†C-PNḡ, CḡPeC- PSPμ PīPμCḡPμPIPëC°CÍCḡC,CHb 0,1 %
 PīC-PePsPIPsPīPs CḡC-PIPsCḡ.

P°PSCÍC,CḡC-CḡPSCḡPsPIPμPSPSPs PīPμPrPμPSP° P·PsP»PμPrCḡPsPSPsPIP°
 PePëCÍP»PsC,P° PIPëPrC-P»CḡC°C,CHbCÍCḡ PSPëCḡPeP°PjPë PI C,CḡPë PμC,P°PīPë:
 CḡPIPëPrPePμ PrPIPsC,,P°P·PSPμ PIPëPIPμPrPμPSPSCḡ PīCḡPμPīP°CḡP°C,CÍ C-P·
 CÍPëCÍC,PμPjPSPsC— C†PëCḡPeCÍP»CḡC†C-C— P· PīPμCḡC-PsPrP°PjPë
 PSP°PīC-PIPIPëPIPμPrPμPSPSCḡ t1/2a 0,24 C- t1/2b 1,87 PīPsPrPëPSPë, PīPsC,C-Pj
 C,CḡPëPIP°P»P° C,,P°P·P° PμP»C-PjC-PSP°C†C-C— P· PeC-PSC†PμPIPëPj
 PīPμCḡC-PsPrPsPj PSP°PīC-PIPIPëPIPμPrPμPSPSCḡ t1/2g

146 PīPsPrPëPS. PκP°PePsPīPëC±PμPSPSCḡ P°PeC,PëPIPSPsC— CḡPμC±PsPIPëPSPë CÍ
 PīP»P°P·PjC- PeCḡPsPIC- PīC-CÍP»Cḡ P±P°PīP°C,PsCḡP°P·PsPIPëC... PrPsP·, CḡPeC-
 PīPμPrCḡC,CHb PePsPḡPSC- 28 PrPSC-PI, PSPμ CÍPīPsCÍC,PμCḡC-PīP°P»PsCÍCḡ.
 PκP° CḡP°PSPSC-C... C,,P°P·P°C... PrPëCÍPīPsP·PëC†C-PNḡ (P°P»CHbC,,P° C- P±PμC,P°, P·
 t½ P·PSP°C±PμPSPSCḡ C- PIPëC°Pμ) PjPsPḡP»PëPIPμ CḡPIPëPrPePμ
 CḡPsP·PīPsPrC-P»PμPSPSCḡ PI PeC-CÍC,PeP°C... C,P° PIPëPIPμPrPμPSPSCḡ
 PSPëCḡPeP°PjPë. P—PsP»PμPrCḡPsPSPsPIP° PePëCÍP»PsC,P° PSPμ
 PjPμC,P°P±PsP»C-P·CÍC°C,CHbCÍCḡ C- PIPëPrC-P»CḡC°C,CHbCÍCḡ CÍ
 PSPμP·PjC-PSPμPSPsPjCÍ PIPëPīP»CḡPrC- PSPëCḡPeP°PjPë. PḡCḡPsC,CḡPīPsPj
 PīPμCḡC€PëC... 24 PīPsPrPëPS

39B±16 % PIPiPμPrPμPSPsC— PrPsP·Pë PμPeCíPēCēPμC,CrC" C,CHCíCíC C-P·
 CíPμC±PμCē, C,PsPrC- CíPē C-PSCēP° PeC-P»CHPeC-CíC,Cē PīCēPμPīP°CēP° C,Cr PI
 PsCíPSPsPSPsPjCí P·PIBē™ CíP·CrC" C,CHCíCíC P· PeC-CíC,PePsPSPsCē
 C,PeP°PSPēPSPsCē. PŷP°PePμ PīPsPiP»PēPSP°PSPSCíCíC,PePsPSPsCē
 C,PeP°PSPēPSPsCē C" C...P°CēP°PeC,PμCēPSPēPj PrP»CíCíC-C...
 P±C-CíC,,PsCíC,,PsPSP° C,C-PI C-, CíPē PIPiP°PíP° C,CCHCíCíC,
 PIC-PrP±CíPíP° C,CCHCíCíC PIPSP°CíP»C-PrPsPe CíC...PsPíPSPsCíC,C- P·P°
 P±CíPrPsPSPsCē P· PīC-CēPμC,,PsCíC,,P° C,PsPj. PīPē C- Cr CēP°P·C-
 P·P°CíC,PsCíCíPíP°PSPSCíCíC C-PSCēPēC... P±C-CíC,,PsCíC,,PsPSP° C,C-PI, C±P°Cí
 CrC,CēPēPjP°PSPSCíCíC P·PsP»PμPrCēPμPSPsPSPsC— PePēCíP»PsC,Pē PI
 PeC-CíC,PePsPIC-PNē C,PeP°PSPēPSC- C" PrCrPíPμ C,CēPēPíP°P»PēPj. PμPsC,C-Pj
 PīPsPIC-P»CHPSPs PIC-PrP±CíPíP° C,CCHCíCíC P·PIPSPsCēPμC,PSPμ
 PIPēPIC-P»CHPSPμPSPSCíCíC P·PsP»PμPrCēPμPSPsPSPsC— PePēCíP»PsC,Pē P·
 PeC-CíC,PePsPSPsC— C,PeP°PSPēPSPē PI CíPēCíC,PμPjPSCí CíPēCēPμCíP»CíCíC-Cē C-
 C—C— PIPēPrC-P»PμPSPSCíCíC PSPēCēPμPjPē. P—P°PíP°P»CHPSPēPNē PeP»C-CēPμPSCí
 PīCēPμPíP°CēP° C,Cr CíC,P°PSPsPíPēC,Cē 5,04B±2,5 P»/PiPsPr. P' C-PS PSPμ
 P·P°P»PμPíPēC,Cē PIC-Pr PrPsP·Pē, CíC,P° C,C-, PIC-PeCr, CēP°CíPSPsC—
 PSP°P»PμPíPSPsCíC,C- C- PjP°CíPē C,C-P»P° PíP°CíC-C" PSC,P°. P"PsPíPμPrPμPSPs, C%Ps
 PIPSCíC,CēC-CēPSCēPμCíCíP±Bē™ C"PeC,PSC- C,P° PjC-PíCíCíP±Bē™ C"PeC,PSC-
 PíP°CēC-P°CíC-C— PīP»P°P·PjPsPSPsPíPs PeP»C-CēPμPSCíCíC
 P·PsP»PμPrCēPμPSPsPSPsC— PePēCíP»PsC,Pē CíC,P°PSPsPíP»CíC,Cē 36 % C,P° 34 %
 PIC-PrPíPsPIC-PrPSPs. P—P±C-P»CHCēPμPSPSCíCíC C,CēPēPíP°P»PsCíC,C- C-PSC,,CrP·C-C—
 P· 5 PrPs 15 C...PIPēP»PēPS PīCēPēP·PíPsPrPēC,Cē PrPs P·PSPēPíPμPSPSCíCíC
 PePsPSCíPμPSC,CēP°CíC-C— P·PsP»PμPrCēPμPSPsPSPsC— PePēCíP»PsC,Pē
 PSP°PīCēPēPeC-PSCíC- C-PSC,,CrP·C-C—, P°P»Pμ PSPμ PIPiP»PēPíP° C" PSP° PíP»PsC%Cr
 PīC-Pr PeCēPēPíPsCē P·P°P»PμPíPSPsCíC,C- PePsPSCíPμPSC,CēP°CíC-C— PIC-Pr C±P°CíCí.

P"PsCíP»C-PrPíPμPSCē PIP·P° C"PjPsPrC-C— P·PsP»PμPrCēPμPSPsPSPsC—
 PePēCíP»PsC,Pē P· C-PSCēPēPjPē P»C-PeP°CēCíCēPePēPjPē PīCēPμPíP°CēP° C,P°PjPē
 PSPμ PīCēPμPíP°PSPsPíPēP»PsCíCíC. PhCíPēC-P»CHPePē P·PsP»PμPrCēPμPSPsPSPsC—
 PePēCíP»PsC,P° PSPμ PjPμC,P°P±PsP»C-P·CrC" C,CCHCíCíC PI PsCēPíP°PSC-P·PjC-
 P»CēPrPēPSPē C- PIPēCíPíP»PμPSP° CēPμC±PsPíPēPSP° PjP° C" P»PēCēPμ PSPμP·PSP°C±PSCí
 P°PeC,PēPíPSC-CíC,Cē P°P±Ps PSPμ PjP° C" P·PsPíCíC-Pj CíPē
 P±PμP·PíPsCíPμCēPμPrPSCēPs PrC-CēC±PēPNē C,P°/P°P±Ps PSPμPsP±PsCēPμC,PSPēPNē
 C-PSPiC-P±C-C,PsCē C,,PμCēPjPμPSC,C-PI CíPēC,PsC...CēPμPjCíC P 450,
 P·PsP»PμPrCēPμPSPsPSPsC— PePēCíP»PsC,P° PSP°PíCēCíCíC C±Pē P±CíPrPμ P·PjPμPSCēCíPíP° C,Pē
 PjPμC,P°P±PsP»C-C±PSPēPNē PeP»C-CēPμPSCíCíC CēPμC±PsPíPēPSPē, CíPēP°
 PjPμC,P°P±PsP»C-P·CrC" C,CCHCíCíC C±PμCēPμP· CíPēCíC,PμPjCíC,,PμCēPjPμPSC,C-PI
 CíPēC,PsC...CēPμPjCíC P 450. P—PsP»PμPrCēPμPSPsPSPsC— PePēCíP»PsC,P° PSPμ PjP° C"
 PIPēCíPμPePsPíPs CíC,CíPíPμPSCíCíC P·PIBē™ CíP·CrPíP°PSPSCíCíC P· P±C-P»PeP°PjPē PíP»P°P·PjPē
 PeCēPμPIC- (P·PIBē™ CíP·CrPíP°PSPSCíCíC CíC,P°PSPsPíPēC,Cē PīCēPēP±P»PēP·PSPs 43–55 %),
 C- CíPμ P·PIBē™ CíP·CrPíP°PSPSCíCíC PSPμ P·P°P»PμPíPēC,Cē PIC-Pr
 PePsPSCíPμPSC,CēP°CíC-C—. PŷP°PePēPj C±PēPSPsPj, C-PjPsPIC-CēPSC-CíC,Cē
 PIP·P° C"PjPsPrC-C— PI CēPμP·CíP»CHC,P° C,C- P·P°PjC-C%PμPSPSCíCíC PīCēPμPíP°CēP° C,C-PI,
 C%Ps P·PSP°C±PSPsCē PjC-CēPμCē P·PIBē™ CíP·CrCēC,CCHCíCíC P· P±C-P»PeP°PjPē, C"
 PSPμP·PSP°C±PSPsCē.

PhPeCēPμPjC- PíPsPíC±P»CíCíC-C—.

PμPsCēC±CēPμPSPSCíCíC C,,C±PSPeCíC-C— PSPēCēPμPe.

$$\text{P}_{11}\text{C}-\text{PrPIP}\ddot{\text{C}}\%_{100}\text{PuPSP}^{\circ}\text{C}\ddot{\text{C}}\text{rC},\text{P}\gg\text{P}\ddot{\text{C}}\text{PIC}-\text{C}\ddot{\text{C}}\text{C},\text{CH}\text{PrPs}^{\circ}\text{P}\ddot{\text{C}}\text{C},\text{P}\ddot{\text{C}}\text{PIPSPsC}-\text{CHPuC}\ddot{\text{C}}\text{PsPIP}\ddot{\text{C}}\text{PSP}\ddot{\text{C}}$$

C†Pë PrPs P±C†PrCH-C†PpPsPiPs PePsPjPīPsPSPμPSC,P° P»C-PeP°C†C†CHPePsPiPs
P·P°C†PsP±C† P°P±Ps PīC-PrPIPëC%PμPSP° C†C†C,P»PëPIC-C†C,CH PrPs
P±C-C†C,,PsC†C,,PsPSP°C,C-PI. P°C-PīPsPeP°P»CHC†C-C°PjC-C†. P†C†P¶PePμ
PīPsC†C†C†PμPSPSC† C,,C†PSPeC†C-C— PSPëC†PsPe P· PeP»C-C†PμPSC†PsPj
PeC†PμP°C,PëPSC-PSC† < 35 PjP»/C...PI. PμPμC†C-PsPr PIP°PiC-C,PSPsC†C,C- P°P±Ps
PiPsPrC†PIP°PSPSC† PiC†C†PrPrCH.

**P·P·P°C°PjPsPrC-C† P· C-PSC€PëPjPë P»C-PeP°C†C†CHPePëPjPë P·P°C†PsP±P°PjPë C,P°
C-PSC€C- PIPëPrPë PIP·P°C°PjPsPrC-PN.**

P†PīPμC†C-P°P»CHPSPëC... PrPsC†P»C-PrP¶PμPSCH PIP·P°C°PjPsPrC-C—
P»C-PeP°C†C†CHPePëC... P·P°C†PsP±C-PI C-P· P·PsP»PμPrC†PsPSPsPiPsCH
PePëC†P»PsC,PsCH PSPμ PīC†PsPiPsPrPëP»Pë. P—PsP»PμPrC†PsPSPsPIP° PePëC†P»PsC,P°
C†PëC†C,PμPjP°C,PëC†PSPs PSPμ PjPμC,P°P±PsP»C-P·C†C°C,CHC†C† C- PSPμ PIPīP»PëPIP°C°
PSP° PμPSP·PëPjPë C†PëC,PsC...C†PsPjC† P 450 P»CHPrPëPSPë *in vitro*.
P—PsP»PμPrC†PsPSPsPIP° PePëC†P»PsC,P° P·PiB†™ C†P·C†C°C,CHC†C† P· P±C-P»PeP°PjPë
PīP»P°P·PjPë PeC†PsPIC- PSPμP·PSP°C†PSPsCH PjC-C†PsCH (P·PiB†™ C†P·C†PIP°PSPSC†
C†C,P°PSPsPiPëC,CH PīC†PëP±P»PëP·PSPs 43–55 %), C,PsPjC† PIP·P°C°PjPsPrC-C—, C†PeC-
PIC-PrP±C†PIP°CHC,CHC†C† PIPSP°C†P»C-PrPsPe P·P°PjC-C%PμPSPSC†
PīC†PμPīP°C†P°C,C-PI P· PIPëC†PsPePëPj C†C,C†PīPμPSPμPj P·PiB†™ C†P·C†PIP°PSPSC†,
PjP°P»PsPNëPjPsPIC-C†PSC-.

P—PsP»PμPrC†PsPSPsPIP° PePëC†P»PsC,P° PIPëPiPsPrPëC,CHC†C† P· PsC†PiP°PSC-P·PjC†
C€P»C†C...PsPj PSPëC†PePsPiPsC— PμPeC†PeC†PμC†C-C—. P†P»C-Pr
PrPsC,C†PëPjC†PIP°C,PëC†C† PsP±PμC†PμP¶PSPsC†C,C- PīC†Pë P·P°C†C,PsC†C†PIP°PSPSC-
P—PsP»PμC†PjC† C† PīPsC°PrPSP°PSPSC- P· PīC†PμPīP°C†P°C,P°PjPë, C†PeC- PjPsP¶C†C,CH
P·PSP°C†PSPsCH PjC-C†PsCH PIPīP»PëPIP°C,Pë PSP° C,,C†PSPeC†C-CH PSPëC†PsPe
(PSP°PīC†PëPeP»P°Pr P· P°PjC-PSPsPiP»C-PePsP·PëPrP°PjPë P°P±Ps PrC-C†C†PμC,PëPeP°PjPë,
C†PeC- PjPsP¶C†C,CH C†PīC†PëC†PëPSC†C,Pë PrPμPiC-PrC†P°C,P°C†C-CH).

Pj PīP°C†C-C°PSC,C-PI P· PīPsC†C†C†PμPSPSC†PjPë C,,C†PSPeC†C-C— PSPëC†PsPe PjPsP¶Pμ
PīC-PrPIPëC%C†PIP°C,PëC†C† C†PëC†C,PμPjPSP° PμPeC†PiPsP·PëC†C-C†
PsPrPSPsC†P°C†PSPs PIPiPμPrPμPSPëC... P»C-PeP°C†C†CHPePëC... PīC†PμPīP°C†P°C,C-PI,
C%Ps PIPëPiPsPrC†C,CHC†C† PīPμC†PμPīP°P¶PSPs PSPëC†PeP°PjPë.

PhC†PsP±P»PëPiPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†.

P—P°C†C,PsC†C†PIP°PSPSC† P—PsP»PμC†PjP° PīP°C†C-C°PSC,P°Pj P· C,C†P¶PePëPj
PīPsC†C†C†PμPSPSC†Pj C,,C†PSPeC†C-C— PSPëC†PsPe (PeP»C-C†PμPSC†
PeC†PμP°C,PëPSC-PSC† B B B B B B B B

B < 35 PjP»/C...PI) PīC†PsC,PëPīPsPeP°P·P°PSPμ P· PsPiP»C†PrC† PSP° C†PëP·PëPe
PIC-PrPjPsPiPë PSPëC†PsPe C† C†C-C°C— PeP°C,PμPiPsC†C-C— PīP°C†C-C°PSC,C-PI.

PμC-C†P»C† PIPiPμPrPμPSPSC† P·PsP»PμPrC†PsPSPsPiPsC— PePëC†P»PsC,Pë
C†PīPsC†C,PμC†C-PiP°P»PsC†C† PīPsC†C†C†PμPSPSC† C,,C†PSPeC†C-C— PSPëC†PsPe,
PsC†PsP±P»PëPiPs C† PīP°C†C-C°PSC,C-PI P· C†P¶Pμ C-C†PSC†CHC†PsCH PSPëC†PePsPiPsCH
PrPëC†C,,C†PSPeC†C-C°CH P°P±Ps C-PSC€PëPjPë C,,P°PeC,PsC†P°PjPë C†PëP·PëPeC†, C%Ps

PIPeP»CĤC†P°CĤC,CH P»C-C,PSC-PN₆ PIC-Pe, PsPrPSPsC†P°CĤPSPëPN₆ PĭCĤPëPN₆PsPj
PSPμC,,CĤPsC,PsPeCĤPëC†PSPëC... P»C-PeP°CĤCĤCHPePëC... PĭCĤPμPĭP°CĤP°C,C-PI,
PsPrPSPsC†P°CĤPSCř C,PμCĤP°PĭC-CĤ PrC-CřCĤPμC,PëPeP°PjPë P°P±Ps
PrPμPĭC-PrCĤP°C,P°C†C-CĤ, C%Ps PIPëPSPëPeP»P° PĭC-CĤP»CĤ PIPĭPμPrPμPSPSCĤ
P·PsP»PμPrCĤPsPSPsPIPsC— PePëCĤP»PsC,Pë. PμPsCĤCřCëPμPSPSCĤ C,,CřPSPeC†C-C—
PSPëCĤPsPe CĤPĭPsCĤC,PμCĤC-PĭP°P»PsCĤCĤ Cř PĭP°C†C-C”PSC,C-PI PĭC-CĤP»CĤ
PsPrPSPsPeCĤP°C,PSPsPiPs P·P°CĤC,PSCĤCřPĭP°PSPSCĤ P·PsP»PμPrCĤPsPSPsPIPsC—
PePëCĤP»PsC,Pë. PĥPëCĤPePsPIP° PSPμPrPsCĤC,P°C,PSC-CĤC,CH, C%Ps PIPëPjP°PĭP°P»P°
P·P°CĤC,PSCĤCřPĭP°PSPSCĤ PrC-P°P»C-P·Cř P°P±Ps PĭCĤPëP·PIPμP»P° PrPs
P»PμC,P°P»CHPSPsPiPs PSP°CĤP»C-PrPeCř, P·CĤC-PrPeP° CĤPĭPsCĤC,PμCĤC-PĭP°P»P°CĤCĤ Cř
PĭP°C†C-C”PSC,C-PI P· CřP¶Pμ C-CĤPSCřCĤC†PëPj PĭPsCĤCřCëPμPSPSCĤPj C,,CřPSPeC†C-C—
PSPëCĤPsPe P°P±Ps P· CĤPePëPjPëCĤCH P· PsPĭPëCĤP°PSPëC... PIPëC%Pμ C,,P°PeC,PsCĤC-PI
CĤPëP·PëPeCř.

P©PsP± P·PIPμCĤC,Pë PrPs PjC-PSC-PjCřPjCř CĤPëP·PëPe PSPμP±P°P¶P°PSPëC...
CĤPμP°PeC†C-PN₆ P· P±PsPeCř PSPëCĤPsPe, CĤP»C-Pr PICĤP°C...PsPICřPIP°C,Pë C,P°PeC-
P·P°CĤC,PμCĤPμP¶PμPSPSCĤ:

вĤŸ PĭPμCĤPμPr PePsP¶PSPëPj PIPĭPμPrPμPSPSCĤPj P—PsP»PμCřPjP°
PSPμPsP±C...C-PrPSPs PIPëP·PSP°C†PëC,Pë PeP»C-CĤPμPSCĤ PeCĤPμP°C,PëPSC-PSCř
P· CřCĤP°C...CřPĭP°PSPSCĤPj PjP°CĤPë C,C-P»P°, PIPëPePsCĤPëCĤC,PsPICřCĤC†Pë
C,,PsCĤPjCřP»Cř PĤPsPeCĤPsC,,C,P°-P“PsP»C,P°;

вĤŸ C,CĤP°PSP·PëC,PsCĤPSPμ PĭC-PrPIPëC%PμPSPSCĤ CĤC-PIPSCĤ
PeCĤPμP°C,PëPSC-PSCř PI CĤPëCĤPsPIP°C,C†C- PeCĤPsPIC- PjPsP¶Pμ P±CřC,Pë
P±C-P»CHCëPëPj Cř PĭP°C†C-C”PSC,C-PI P· CřP¶Pμ C-CĤPSCřCĤC†PëPj
PĭPsCĤCřCëPμPSPSCĤPj C,,CřPSPeC†C-C— PSPëCĤPsPe;

вĤŸ Cř PĭP°C†C-C”PSC,C-PI P· PĭCĤCřPĭPë CĤPëP·PëPeCř CĤP»C-Pr P·PrC-PN₆CĤPSCĤPIP°C,Pë
PjPsPSC-C,PsCĤPëPSPĭ CĤC-PIPSCĤ PeCĤPμP°C,PëPSC-PSCř PI CĤPëCĤPsPIP°C,C†C-
PeCĤPsPIC-;

вĤŸ P—PsP»PμCřPj CĤP»C-Pr P·P°CĤC,PSCĤPsPICřPIP°C,Pë P·
PsP±PμCĤPμP¶PSC-CĤC,CĤ PĭCĤPë PsPrPSPsC†P°CĤPSPsPjCř P·P°CĤC,PSCĤCřPĭP°PSPSC-
C-PSCëPëC... P»C-PeP°CĤCĤCHPePëC... P·P°CĤPsP±C-PI, C%Ps PjPsP¶CřC,CH
PIPĭP»PëPIP°C,Pë PSP° C,,CřPSPeC†C-CĤ PSPëCĤPsPe;

вĤŸ PĭP°C†C-C”PSC,Pë, PsCĤPsP±P»PëPIPs PĭP°C†C-C”PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCř C-
C,C-, C...C,Ps PĭCĤPëPN₆PjP°C” PrC-CřCĤPμC,PëPePë, PĭPsC,CĤPμP±CřCĤC,CH
PrPsCĤC,P°C,PSCHPsC— PĭC-PrCĤP°C,P°C†C-C— PĭPμCĤPμPr PIPĭPμPrPμPSPSCĤPj
P—PsP»PμCřPjP°;

вĤŸ PsPrPSPsCĤP°P·PsPIP° PrPsP·P° P—PsP»PμCřPjP° PSPμ PĭPsPIPëPSPSP°
PĭPμCĤPμPIPëC%CřPIP°C,Pë 5 PjPi, P° C,CĤPëPIP°P»C-CĤC,CH C-PSC,,CřP·C-C—
PĭPsPIPëPSPSP° P±CřC,Pë PSPμ PjPμPSCëPμ 15 C...PIPëP»PëPS.

PĥP°CĤPIPSCř PĭC-PĭPsPeP°P»CHC†C-C”PjC-CĤ PSPμPsP±C...C-PrPSPs P»C-PeCřPIP°C,Pë
P°PrPμPePIP°C,PSPëPj PĭCĤPëPN₆PsPjPsPj PeP°P»CHC†C-CĤ C- PIC-C,P°PjC-PSCř D PrPs
PĭPsC†P°C,PeCř C,PμCĤP°PĭC-C— P—PsP»PμCřPjPsPj. P†PSCëC- PĭPsCĤCřCëPμPSPSCĤ
PjC-PSPμCĤP°P»CHPSPsPiPs PsP±PjC-PSCř, PSP°PĭCĤPëPeP»P°Pr, P·PjPμPSCëPμPSPSCĤ
PĭP°CĤP°C%PëC,PsPIPëPrPSPsC— P·P°P»PsP·Pë, PĭPsCĤCřCëPμPSPSCĤ P°P±CĤPsCĤP±C†C-C—

PeP°P»CHC†C-CḤ Cr PePëC€PμC‡PSPëPeCḥ, C,P°PePsP¶ PīPsC,CḥPμP±CḥCḤ,CḤ
PμC,,PμPeC,PëPIPPSPsPiPs P»C-PeCḥPIP°PSPSCḤ. P»C-PeP°Cḥ PjP°C” CḥPμC,PμP»CHPSPS
PePsPSC,CḥPsP»CḥPIP°C,Pë C†PëC... PīP°C†C-C”PSC,C-PI.

PμPsCḥPëP»PμPSPμ CḥPμPjPsPrPμP»CḥPIP°PSPSCḤ PeC-CḥC,PePsPIPsC— C,PeP°PSPëPSPë
C...P°CḥP°PeC,PμCḥPSPμ PrP»CḤ C...PIPsCḥPsP±Pë PμPμPrP¶PμC,P° P· CḥCḥP°P¶PμPSPSCḤPj
PeC-CḥC,PsPe. P§PμCḥPμP· C€PIPëPrPePëPNë PīPsC‡P°C,PsPe PIPīP»PëPICḥ
P·PsP»PμPrCḥPsPSPsPIPsC— PePëCḥP»PsC,Pë PSP° CḥPμPjPsPrPμP»CḥPIP°PSPSCḤ
PeC-CḥC,PePsPIPsC— C,PeP°PSPëPSPë PjPsP¶Pμ PIPëPSPëPeP°C,Pë C,CḥP°PSP·PëC,PsCḥPSP°
PiC-PiPsPeP°P»CHC†C-C”PjC-CḤ, PīPsPrPμPePsP»Pë P· PeP»C-PSC-C‡PSPëPjPë
PīCḥPsCḤPIP°PjPë, C%Ps P·P°P·PIPëC‡P°PNë PrPsCḥCḤPiP°C” PjP°PeCḥPëPjCḥPjCḥ
PīCḥPsC,CḤPiPsPj PīPμCḥC€PëC... 10 PrPSC-PI PīC-CḥP»CḤ C-PSC,,CḥP·C-C—
P—PsP»PμCḥPjP°.

PμCḥPë P·P°CḥC,PsCḥCḥPIP°PSPSC- P—PsP»PμCḥPjP° CḥPμPePsPjPμPSPPrCḥC”C,CHCḥCḤ
PsPrPSPsC‡P°CḥPSPμ PrPsCḥC,P°C,PSC” CḥPīPsP¶PëPIP°PSPSCḤ PeP°P»CHC†C-CḤ C,P°
PIC-C,P°PjC-PSCḥ D. PḥCḥC-Pj C,PsPiPs, PrP»CḤ PīP°C†C-C”PSC,C-PI P· C...PIPsCḥPsP±PsCḥ
PμPμPrP¶PμC,P° PsP±PsPīBḥ™ CḤP·PePsPIPs CḥP»C-Pr P·P°P±PμP·PīPμC‡PëC,Pë
PrPsCḥC,P°C,PSC-PNë PrPsPrP°C,PePsPIPëPNë PīCḥPëPNëPsPj PeP°P»CHC†C-CḤ, C%Ps
PIC-PrPīPsPIC-PrP°PI P±Pë C%PsPSP°PNëPjPμPSC€Pμ 500 PjPi PμP»PμPjPμPSC,P°CḥPSPsPiPs
PeP°P»CHC†C-CḤ PrPIC-C‡C- PSP° PrPsP±Cḥ PīCḥPsC,CḤPiPsPj 10 PrPSC-PI PīC-CḥP»CḤ
PIPIPμPrPμPSPSCḤ P—PsP»PμCḥPjP°. PμP°C†C-C”PSC,P°Pj PSPμPsP±C...C-PrPSPs
CḥPsP·PīPsPIC-CḥC,Pë PīCḥPs CḥPëPjPiC,PsPjPë PiC-PiPsPeP°P»CHC†C-C”PjC-C— C-
P·P°P±PμP·PīPμC‡PëC,Pë P°PrPμPePIP°C,PSPëPNë PjPsPSC-C,PsCḥPëPSPi CḥPīCḥPsPrPsPIP¶
PīPμCḥC-PsPrCḥ CḥPëP·PëPeCḥ. Pj PīP°C†C-C”PSC,C-PI P· C...PIPsCḥPsP±PsCḥ
PμPμPrP¶PμC,P° CḥPμPePsPjPμPSPPrCḥC”C,CHCḥCḤ PIPëP·PSP°C‡P°C,Pë
CḥC-PIPμPSCḤ PeP°P»CHC†C-CḤ Cr CḥPëCḥPsPIP°C,C†C- PeCḥPsPIC- PrPs
C-PSC,,CḥP·C-C— P—PsP»PμCḥPjP°.

P—CḥC-PrPeP° PSP°PrC...PsPrPëP»Pë PīPsPIC-PrPsPjP»PμPSPSCḤ PīCḥPs
PIPëCḥP°P¶PμPSPëPNë C,P° PīPsPrPμPePsP»Pë C-PSPIP°P»C-PrPëP·CḥCḥC‡PëPNë P±C-P»CH Cr
PeC-CḥC,PeP°C..., CḥCḥPiP»PsP±P°C... C,P°/P°P±Ps PjBḥ™ CḤP·P°C... Cr PīP°C†C-C”PSC,C-PI,
CḤPeC- PīCḥPëPNëPjP°P»Pë P±C-CḥC,,PsCḥC,,PsPSP°C,Pë, PI C,PsPjCḥ C‡PëCḥP»C-
P—PsP»PμCḥPj.

PḥCḥC,PμPsPSPμPeCḥPsP· C%PμP»PμPīPë

Pj PīPsCḥC,PjP°CḥPePμC,PëPSPiPsPIPëC... PrPsCḥP»C-PrP¶PμPSPSCḤC...
PīPsPIC-PrPsPjP»CḤP»Pë PīCḥPs PsCḥC,PμPsPSPμPeCḥPsP· C%PμP»PμPīPë Cr
PīP°C†C-C”PSC,C-PI, CḤPeC- PsPrPμCḥP¶CḥCḤ P·PsP»PμPrCḥPsPSPsPICḥ PePëCḥP»PsC,Cḥ
Cr P·PīBḥ™ CḤP·PeCḥ P· PsCḥC,PμPsPīPsCḥPsP·PsPj.

PμPsC‡P°C,PsPe P»C-PeCḥPIP°PSPSCḤ P°P±Ps PSPsPIPëPNë PeCḥCḥCḥ P»C-PeCḥPIP°PSPSCḤ
CḥP»C-Pr PIC-PrPeP»P°CḥC,Pë PrP»CḤ PīP°C†C-C”PSC,C-PI C-P· PSPμP·P°PiPsC”PSPëPjPë
PIC-PrPeCḥPëC,PëPjPë CḥCḥP°P¶PμPSPSCḤPjPë PjBḥ™ CḤPePëC... C,PeP°PSPëPS Cr
PīPsCḥPsP¶PSPëPSC- CḥPsC,P°B P”Ps PīPsC‡P°C,PeCḥ P»C-PeCḥPIP°PSPSCḤ
P—PsP»PμCḥPjPsPj PrP»CḤ PīP°C†C-C”PSC,C-PI C-P· CḥCḥPīCḥC,PSC-PjPë C,,P°PeC,PsCḥP°PjPë
CḥPëP·PëPeCḥ CḥPμPePsPjPμPSPPrCḥC”C,CHCḥCḤ PīPsPīPμCḥPμPrPSCḥPs PīCḥPsPIPμCḥC,Pë
CḥC,PsPjP°C,PsP»PsPiC-C‡PSPëPNë PsPiP»CḤPr P· PIC-PrPīPsPIC-PrPSPëPj
PīCḥPsC,,C-P»P°PeC,PëC‡PSPëPj CḥC,PsPjP°C,PsP»PsPiC-C‡PSPëPj P»C-PeCḥPIP°PSPSCḤPj C,P°
C-PSPrPëPIC-PrCḥP°P»CHPSPsCḥ PsC†C-PSPePsCḥ PePsCḥPëCḥC,C- C,P° CḥPëP·PëPeCḥ.

$\text{P}\mu\text{C}\overline{\text{T}}\text{P}\ddot{\text{e}} \text{ PsC}\overline{\text{t}}\text{C}-\text{PSC}\overline{\text{t}}\text{C}- \text{C}\overline{\text{T}}\text{P}\ddot{\text{e}}\text{P}\cdot\text{P}\ddot{\text{e}}\text{PeC}\acute{\text{r}} \text{ C}\overline{\text{T}}\text{PsP}\cdot\text{PIP}\ddot{\text{e}}\text{C},\text{PeC}\acute{\text{r}} \text{ PsC}\overline{\text{t}}\text{C},\text{P}\mu\text{PsPSP}\mu\text{PeC}\overline{\text{T}}\text{PsP}\cdot\text{C}\acute{\text{r}}$
 $\text{C}\%_{\text{P}\mu}\text{P}\gg\text{P}\mu\text{P}\ddot{\text{I}}\text{P}\ddot{\text{e}} \text{ C}\acute{\text{r}} \text{ P}\ddot{\text{I}}\text{P}^{\circ}\text{C}\overline{\text{t}}\text{C}-\text{C}^{\prime\prime}\text{PSC},\text{P}^{\circ} \text{ C}\overline{\text{t}}\text{P}\gg\text{C}-\text{Pr} \text{ P}\pm\text{C}\overline{\text{T}}\text{P}^{\circ}\text{C},\text{P}\ddot{\text{e}} \text{ PrPs} \text{ C}\acute{\text{r}}\text{PIP}^{\circ}\text{P}\ddot{\text{I}}\text{P}\ddot{\text{e}} \text{ C},\text{P}^{\circ}\text{PeP}\mu:$

- P°PeC, PēPIPSC-Cl̇C, CḢP »C- PeP°CḡCl̇CḢPePsPiPs P·P°Cl̇PsP±Cr, Cl̇PePēPṄ
 PiCḡPēPiPSC-C±CrC” CḡPμP·PsCḡP±C†C-CḢ PeC-Cl̇C, PePsPIPsC— C, PeP°PSPēPSPē (PrP»Cl̇
 PIPēCl̇PsPePsP°PeC, PēPIPSPēC... Cl̇PiPsP»CrPe CḡPēP·PēPe C” PIPēC%oPēPj), Cl̇PiPsCl̇C-P±
 P·P°Cl̇C, PsCl̇CrPIP°PSPSCl̇ (PrP»Cl̇ PiP°CḡPμPSC, PμCḡP°P»CḢPSPsPiPs PIPiPμPrPμPSPSCl̇
 CḡPēP·PēPe C” PIPēC%oPēPj) C, P° PeCrPjCrP»Cl̇C, PēPIPSCr PrPsP·Cr C, PμCḡP°PiC-C—
 CḡPμP·PsCḡP±C†C-C— PeC-Cl̇C, PePsPIPsC— C, PeP°PSPēPSPē;

- $\text{C}\bar{\text{H}}\text{P}^\circ\text{Pe}$, $\text{C}\bar{\text{I}}\text{C}\bar{\text{r}}\text{P}\bar{\text{i}}\text{C}\bar{\text{r}}\text{C}$, $\text{PSC- P}\cdot\text{P}^\circ\text{C}\dots\text{PIPsC}\bar{\text{H}}\text{C}\bar{\text{H}}\text{PIP}^\circ\text{PSPSC}\bar{\text{I}}$ ($\text{C}, \text{P}^\circ\text{PeC- C}\bar{\text{I}}\text{Pe P}^\circ\text{PSP}\bar{\text{I}}\text{PjC- C}\bar{\text{I}}$, $\text{PePsP}^\circ\text{PiC}\bar{\text{r}}\text{P}\gg\text{PsPiP}^\circ\text{C, C-C-}, \text{C-PSC}, \text{P}\bar{\text{I}}\text{PeC}\bar{\text{I}}\text{C- C}\bar{\text{I}}$), $\text{PiP}^\circ\text{P}\gg\text{C-PSPSC}\bar{\text{I}}$;

- Cl'Cr'PiCr'C,PSC- C,PμCḤP°PiC-C-: PePsCḤC,PëPePsCl'C,PμCḤPsC-PrPë,
C...C-PjC-PsC,PμCḤP°PiC-Cl, C-PSPiC-P±C-C,PsCḤPë P°PSPiC-PsPiPμPSPμP·Cr',
PiCḤPsPjPμPSPμPIP° C,PμCḤP°PiC-Cl PiPsP»PsPIPë C,P° C€PëC-;

- PSp_μPrPsC, C₇P₆P_jP°PSPSC_Π PiC-PiC-C''PSP₆ PiPsC₇PsP_ΠPSP₆PSP₆ C₇PsC, P°
PiP°C₇PsPrPsPSC, PsP°, P·C_rP±PSC- P_iC₇PsC, P_μP·P₆, C%Ps PiPsPiP°PSPs
PiC-PrC...PsPrC_ΠC, C₇, C...PIPsC₇PsP±C_r P·C_rP±C-PI PI P°PSP°P_jPSP_μP·C-,
C-PSPIP°P·P₆PIPS- C_rC, PsP_jP°C, PsP»PsPiC-C±PSC- P_iC₇PsC_†P_μPrC_rC₇P₆,
PSP°PiC₇P₆PeP»P°Pr PIP₆PrP°P»P_μPSPSC_Π P·C_rP±C-PI.

PjCfC-Pj PiP°C+C-P"PS C, P° Pj CḡPμPePsPjPμPSPrCfC"C, ChCfCḡ PiC-PrC, CḡPēPjCfPIP°C, Pē
PSP°P»PμPḡPSCr PiC-PiC-C"PSCr PiPsCḡPsPḡPSPēPSPē CḡPsC, P° C, P° P·CfP±C-PI,
PiCḡPsC...PsPrPēC, Pē PiPμCḡC-PsPrPēC±PSC- PiPμCḡPμPIC-CḡPePē P·CfP±C-PI C, P°
PSPμPiP°PḡPSPs PiPsPIC-PrPsPjP»CḡC, Pē PiCḡPs P±CfPrCh·CḡPeC- PiPμCḡPsCḡP°P»ChPSC-
CfPēPjPiC, PsPjPē, C, P°PeC- CḡPe CḡCfC...P»PēPIC-CfC, Ch P·CfP±C-PI, P±C-P»Ch P°P±Ps
PSP°P±CḡCḡPe, PSPμP·P°PiPsC"PSPSCḡ PIPēCḡP°P·PsPe P°P±Ps PIPēPrC-P»PμPSPSCḡ PiC-Pr
C±P°Cf P»C-PeCfPIP°PSPSCḡ P·P° PrPsPiPsPjPsPiPsCḡ P·PsP»PμPrCḡPsPSPsPIPsC—
PePēCfP»PsC, Pē. PμC-Pr C±P°Cf P»C-PeCfPIP°PSPSCḡ C-PSPIP°P·PēPIPSC-
CfC, PsPjP°C, PsP»PsPiC-C±PSC- PiCḡPsC†PμPrCfCḡPē CfP»C-Pr PiCḡPsPIPsPrPēC, Pē P·
PsP±PμCḡPμPḡPSC-CfC, Cḡ, CfPSPēPeP°CḡC±Pē P±PμP·PiPsCfPμCḡPμPrPSCḡPsC—
P±P»PēP·ChPePsCfC, C- PrPs PjC-CfC†Cḡ P·P°CfC, PsCfCfPIP°PSPSCḡ
P·PsP»PμPrCḡPsPSPsPIPsC— PePēCfP»PsC, Pē.

$\text{P}_{\mu}\text{P} \gg \text{P}^{\circ}\text{PS} \text{ P} \gg \text{C} - \text{PeCr} \text{PIP}^{\circ}\text{PSPSC} \text{C} \text{ PrP} \gg \text{C} \text{C} \text{ P} \ddot{\text{P}}\text{P}^{\circ}\text{C} \ddagger \text{C} - \text{C}^{\circ}\text{PSC}, \text{C} - \text{PI}, \text{Cr} \text{ C} \text{C} \text{P} \text{PeP} \ddot{\text{C}} \dots \text{PIP} \ddot{\text{P}} \text{PSP} \ddot{\text{P}} \text{PeP}^{\circ}\text{C}^{\circ}$
 $\text{PsCr} \text{C}, \text{P}_{\mu}\text{PsPSP}_{\mu}\text{PeC} \ddot{\text{H}} \text{PsP} \cdot \text{C} \% \text{P}_{\mu}\text{P} \gg \text{P}_{\mu}\text{P} \ddot{\text{P}} \ddot{\text{P}}, \text{P} \ddot{\text{P}} \text{PsPIP} \ddot{\text{P}} \text{PSPSC} - \text{C} \ddot{\text{H}} \text{PsP} \cdot \text{C} \ddot{\text{H}} \text{PsP} \pm \text{P} \gg \text{C} \text{C} \text{C}, \text{P} \ddot{\text{P}} \text{PI}$
 $\text{C}, \text{C} - \text{Cr} \text{PSC} - \text{PM} \text{ Cr} \text{P} \ddot{\text{C}} - \text{PIP} \ddot{\text{C}} \text{C} \ddot{\text{H}} \text{P}^{\circ}\text{C} \ddagger \text{C} - \text{P} \gg \text{C} - \text{PeP}^{\circ}\text{C} \ddot{\text{H}} \text{C} - \text{P} \gg \text{C} - \text{PeP}^{\circ}\text{C} \ddot{\text{H}} - \text{Cr} \text{C}, \text{PsPjP}^{\circ}\text{C}, \text{PsP} \gg \text{PsPi} \text{ P}^{\circ}\text{P} \pm \text{Ps}$
 $\text{C} \dots \text{C} - \text{C} \ddot{\text{H}} \text{Cr} \text{C} \ddot{\text{H}} \text{Pi} - \text{Cr} \text{C}, \text{PsPjP}^{\circ}\text{C}, \text{PsP} \gg \text{PsPi}, \text{C} \text{C} \text{P} \text{PeP} \ddot{\text{P}} \text{PN} \text{ PjP}^{\circ}\text{C}^{\circ} \text{ PrPsCr} \text{PIC} - \text{Pr} \text{ P} \gg \text{C} - \text{PeCr} \text{PIP}^{\circ}\text{PSPSC} \text{C}$
 $\text{P} \ddot{\text{P}}\text{P}^{\circ}\text{C} \ddagger \text{C} - \text{C}^{\circ}\text{PSC}, \text{C} - \text{PI} \text{ P} \cdot \text{PsCr} \text{C}, \text{P}_{\mu}\text{PsPSP}_{\mu}\text{PeC} \ddot{\text{H}} \text{PsP} \cdot \text{PsPj} \text{C} \% \text{P}_{\mu}\text{P} \gg \text{P}_{\mu}\text{P} \ddot{\text{P}} \ddot{\text{P}}. \text{P} \ddot{\text{Y}} \text{P} \gg \text{C} - \text{Pr}$
 $\text{C} \ddot{\text{H}} \text{PsP} \cdot \text{PiP} \gg \text{C} \text{C} \text{PSCr} \text{C}, \text{P} \ddot{\text{P}} \text{PjPsP} \text{P} \gg \text{P} \ddot{\text{P}} \text{PIC} - \text{Cr} \text{C}, \text{CH} \text{C}, \text{P} \ddot{\text{P}} \text{PjC} \ddagger \text{P}^{\circ}\text{Cr} \text{PsPIP} \text{Sc} - \text{PIC} - \text{PrPjC} - \text{PSP} \ddot{\text{P}}$
 $\text{P} \cdot \text{PsP} \gg \text{P}_{\mu}\text{PrC} \ddot{\text{H}} \text{PsPSPsPIP} \text{Sc} - \text{PeP} \ddot{\text{C}} \text{Cr} \text{P} \gg \text{PsC}, \text{P} \ddot{\text{P}} \text{PrPs} \text{PSPsC} \ddot{\text{H}} \text{PjP}^{\circ}\text{P} \gg \text{C} - \text{P}^{\circ}\text{P}^{\circ}\text{C} \ddagger \text{C} - \text{C} - \text{Cr} \text{C}, \text{P}^{\circ}\text{PSCr}$
 $\text{C}, \text{P}^{\circ} \text{PjP}^{\circ}\text{PeCr} \text{P} \ddot{\text{P}} \text{PjP}^{\circ}\text{P} \gg \text{CH} \text{PSPsPiPs} \text{ P} \cdot \text{PjP}_{\mu}\text{PSC} \text{€P}_{\mu}\text{PSPSC} \text{C} \text{C}, \text{P}^{\circ}\text{PeC}, \text{PsC} \ddot{\text{H}} \text{C} - \text{PI} \text{ C} \ddot{\text{H}} \text{P} \ddot{\text{P}} \text{P} \cdot \text{P} \ddot{\text{P}} \text{PeCr}.$

PhCf'C,PuPsPSPuPeCf'PsP·P·PsPIPSC-Cf'PSCHbPsPiPs Cf'P»Cf'C...PsPIPbPiPs PiCf'PsC...PsPrCf'

PhCl⁺C, P_μPsPSP_μPeC₇PsP· P·PsPIPSC–C€PSC_HPsPiPs Cl⁺P»CrC...PsPIPsPiPs PiC₇PsC...PsPrCr
Cl⁺PiPsCl⁺C, P_μC₇C–PiP°PIC⁺Cl_μ PiC₇Pë PiC₇PëP_μPsPjC– P±C–Cl⁺C,,PsCl⁺C,,PsPSP°C,C–PI, PI
PsCl⁺PSPsPIPsPjCr⁺ PiC–Pr C‡P°Cl⁺ C,C₇PëPIP°P»PsC— C,P_μC₇P°PiC–C—. P‡P°PeC,P_μC₇Pë
C₇PëP·PëPeCr⁺ PsCl⁺C, P_μPsPSP_μPeC₇PsP·Cr⁺ P·PsPIPSC–C€PSC_HPsPiPs Cl⁺P»CrC...PsPIPsPiPs
PiC₇PsC...PsPrCr⁺ PIPeP»C_HC‡P°C_HC,C_H PIPëPePsC₇PëCl⁺C,P°PSPSC_μ Cl⁺C,P_μC₇PsC—PrC–PI

C,P° C...C-PjC-PsC, PμCḡP°PīC-Cḡ C,P°/P°P±Ps PjC-CīC†PμPIC- C,,P°PeC,PsCḡPē CḡPēP·PēPeCf,
C,P°PeC- CḡPe C-PSC,,PμPeC†C-C— P°P±Ps C,CḡP°PIPjPē. PḡPsPḡP»PēPIC-CīC,CH
PsCīC,PμPsPSPμPeCḡPsP·Cf P·PsPIPSC-CēPSCḡPsPiPs CīP»CfC...PsPIPsPiPs PīCḡPsC...PsPrCf
CīP»C-Pr CḡPsP·PiP»CḡPSCfC,Pē Cf PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCfCḡC,CH
P±C-CīC,,PsCīC,,PsPSP°C,Pē C,P° CīPeP°CḡPḡP°C,CHCīCḡ PSP° CīPēPjPiC,PsPjPē P· P±PsPeCf
PsCḡPiP°PSC-PI CīP»CfC...Cf, PI C,PsPjCf C†PēCīP»C- PSP° C...CḡPsPSC-C†PSC-
C-PSC,,PμPeC†C-C— PICfC...P°.

PḡC,PēPiPsPIC- PīPμCḡPμP»PsPjPē CīC,PμPiPSPsPIPsC— PeC-CīC,PePē

PμPsPIC-PrPsPjP»CḡP»Pē PīCḡPs P°C,PēPiPsPIC- PīC-PrPIPμCḡC,P»CḡPḡPSC- C,P°
PrC-P°C,,C-P·P°CḡPSC- PīPμCḡPμP»PsPjPē CīC,PμPiPSPsPIPsC— PeC-CīC,PePē PSP° C,P»C-
C,PμCḡP°PīC-C— P±C-CīC,,PsCīC,,PsPSP°C,P°PjPē, PīPμCḡPμPIP°PḡPSPs Cf
PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCfPIP°P»Pē C,CḡPēPIP°P»Pμ P»C-PeCfPIP°PSPSCḡ P·
PīCḡPēPIPsPrCf PsCīC,PμPsPīPsCḡPsP·Cf. P|C- PīPsPīPμCḡPμC†PSC- P°P±Ps PePsCīC-
PīPμCḡPμP»PsPjPē P· PePsCḡPsC,PePsCḡ P»C-PSC-C”Cḡ PīPμCḡPμP»PsPjCf PjPsPḡCfC,CH
PIPēPSPēPeP°C,Pē P±CfPrCḡ-PrPμ PīPs CfCīC-PNē PrPsPIPḡPēPSC- CīC,PμPiPSPsPIPsC—
PeC-CīC,PePē, PIC-Pr PrC-P»CḡPSPePē PSPēPḡC†Pμ PjP°P»PsPiPs PIPμCḡC,P»CḡPiP° PrPs
PrC-P»CḡPSPePē PIPēC%Pμ PSP°PrPIPēCḡPsCīC,PePsPIPsPiPs PīC-PrPIPēC%PμPSPSCḡ. P|C-
PīPμCḡPμP»PsPjPē PIPēPSPēPeP°CḡC,CH PīC-CīP»Cḡ PjC-PSC-PjP°P»CHPSPsC— C,CḡP°PIPjPē
P°P±Ps PIP·P°PiP°P»C- P±PμP· PSPμC—, P° PI PrPμCḡPePēC... PīP°C†C-C”PSC,C-PI P±C-P»CH
Cf PrC-P»CḡPSC†C- CīC,PμPiPSP° C†Pē PīP°C...Cf, C%Ps C†P°CīC,Ps
CīCfPīCḡPsPIPsPrPḡCfC”C,CHCīCḡ CḡPμPSC,PiPμPSPsP»PsPiC-C†PSPēPjPē PsP·PSP°PeP°PjPē
CīC,CḡPμCīPsPIPsPiPs PīPμCḡPμP»PsPjCf, P·ḡḡ™ CḡPIP»CḡC”C,CHCīCḡ P·P° C,PēPḡPSC-
P°P±Ps PjC-CīCḡC†C- PrPs PIPēCḡPIP»PμPSPSCḡ PīPsPIPSPsPiPs PīPμCḡPμP»PsPjCf
CīC,PμPiPSPsPIPsC— PeC-CīC,PePē. PkPμCḡC-PrPePs PīPμCḡPμP»PsPjPē C”
PrPIPsCīC,PsCḡPsPSPSC-PjPē; C,PsPjCf Cf PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCfCḡC,CH
P»C-PeCfPIP°PSPSCḡ P±C-CīC,,PsCīC,,PsPSP°C,P°PjPē C- PI CḡPePēC...
PīC-PrC,PIPμCḡPrPḡPμPSPs PrC-P°C,,C-P·P°CḡPSPēPNē PīPμCḡPμP»PsPj CīC,PμPiPSPsPIPsC—
PeC-CīC,PePē, PSPμPsP±C...C-PrPSPs C,P°PePsPḡ PsP±CīC,PμPḡPēC,Pē C-PSCēPμ
CīC,PμPiPSPs. P’C-PrP·PSP°C†P°P»PsCīCḡ CīPīPsPIC-P»CHPSPμPSPμ P·CḡPsC%PμPSPSCḡ
C,P°PePēC... PīPμCḡPμP»PsPjC-PI. PμPēC,P°PSPSCḡ C%PsPrPs PīCḡPēPīPēPSPμPSPSCḡ
C,PμCḡP°PīC-C— P±C-CīC,,PsCīC,,PsPSP°C,P°PjPē Cf PīP°C†C-C”PSC,C-PI P· PīC-PrPsP·CḡPsCḡ
PSP° P°C,PēPiPsPIPēPNē PīPμCḡPμP»PsPj CīC,PμPiPSPsPIPsC— PeC-CīC,PePē CīP»C-Pr
CḡPsP·PiP»CḡPrP°C,Pē PīC-CīP»Cḡ CḡPμC,PμP»CHPSPsPiPs PsP±CīC,PμPḡPμPSPSCḡ
PīP°C†C-C”PSC,P°, PICḡP°C...PsPICfCḡC†Pē C-PSPrPēPIC-PrCfP°P»CHPSCf PsC†C-PSPeCf
CīPīC-PIPIC-PrPSPsCēPμPSPSCḡ PePsCḡPēCīC,C- C,P° CḡPēP·PēPeCf.

PμC-Pr C†P°Cī P»C-PeCfPIP°PSPSCḡ P±C-CīC,,PsCīC,,PsPSP°C,P°PjPē PīP°C†C-C”PSC,Pē
PīPsPIPēPSPSC- PīPsPIC-PrPsPjP»CḡC,Pē PīCḡPs P±CfPrCḡ-CḡPePēPNē P±C-P»CH Cf
PrC-P»CḡPSC†C- CīC,PμPiPSP°, C,P°P·PsCīC,PμPiPSPsPIPsPiPs CīCfPiP»PsP±P° P°P±Ps
PīP°C...Cf, C- PICīC-C... PīP°C†C-C”PSC,C-PI, Cf CḡPePēC...
CīPiPsCīC,PμCḡC-PiP°CḡC,CHCīCḡ C,P°PeC- CīPēPjPiC,PsPjPē, CīP»C-Pr
PsP±CīC,PμPḡPēC,Pē C%PsPrPs PSPμPīPsPIPSPsPiPs PīPμCḡPμP»PsPjCf CīC,PμPiPSPsPIPsC—
PeC-CīC,PePē.

P†PSCēC- PsCīPsP±P»PēPIPsCīC,C-

PSP°CīC,PsC,Cf CīPēPjPiC,PsPjC-PI, C%Ps PIPēPSPēPeP°CḡC,CH PīCḡPsC,CḡPiPsPj
PīPμCḡCēPēC... C,CḡCHPsC... PrPSC-PI PīC-CīP»Cḡ PIPiPμPrPμPSPSCḡ PīCḡPμPīP°CḡP°C,Cf,
PjPsPḡPSP° P·PjPμPSCēPēC,Pē CēP»CḡC...PsPj PīCḡPēPNēPsPjCf PīP°CḡP°C†PμC,P°PjPsP»Cf
P°P±Ps C-P±CfPīCḡPsC,,PμPSCf PsPrCḡP°P·Cf PīC-CīP»Cḡ PIPiPμPrPμPSPSCḡ

$P \gg C - PeP^{\circ} C \bar{H} C \bar{I} C \bar{H} PePsPiPs \quad P \cdot P^{\circ} C \bar{I} C PsP \pm Cr \quad P - PsP \gg P_{\mu} CrPj.$

$P''P \gg C \bar{I} C \quad PsPSPePsP \gg PsPiC - C \bar{I} PSPeC \dots \quad PiC \bar{H} P \bar{e}P \cdot PSP^{\circ} C \bar{I} P_{\mu} PSCH \quad PSP^{\circ} C \bar{I} PIPSC - C - PSC \epsilon C -$
 $PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, P \bar{e}, C \% Ps \quad PjC - C \bar{I} C, C \bar{I} C, CH \quad P \cdot PsP \gg P_{\mu} PrC \bar{H} PsPSPsPICr \quad PeP \bar{e} C \bar{I} P \gg PsC, Cr \quad C \bar{I} Pe$
 $PrC - C \bar{H} C \bar{I} Cr \quad C \bar{H} P_{\mu} C \bar{I} PsPIP \bar{e} PSCr. \quad P_{\mu} P^{\circ} C \bar{I} C - C''PSC, P^{\circ} Pj, \quad C \bar{I} PeC - \quad PiC \bar{H} PsC \dots PsPrC \bar{I} C, CH$
 $P \gg C - PeCrPIP^{\circ} PSPSC \bar{I} C \quad P \cdot P^{\circ} \quad PrPsPiPsPjPsPiPsC \bar{H} \quad PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, Cr \quad P - PsP \gg P_{\mu} CrPj, \quad PSP_{\mu}$
 $C \bar{I} P \gg C - Pr \quad PsPrPSPsC \bar{I} P^{\circ} C \bar{I} PSPs \quad PiC \bar{H} P \bar{e} P_{\mu} PjP^{\circ} C, P \bar{e} \quad C, P^{\circ} PeC - \quad PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, P \bar{e} \quad P^{\circ} P \pm Ps$
 $P \pm CrPrCH - C \bar{I} PeC - C - PSC \epsilon C - \quad P \pm C - C \bar{I} C, PsC \bar{I} C, PsPSP^{\circ} C, P \bar{e}, \quad PsC \bar{I} PeC - P \gg CHPeP \bar{e}$
 $C \bar{I} CrPeCrPiPSP \bar{e} P_{\mu} \quad PIPiP \gg P \bar{e} PI \quad C \bar{I} P \bar{e} C \dots \quad C \bar{H} P_{\mu} C \bar{I} PsPIP \bar{e} PS \quad PSP_{\mu} PIC - PrPsPjP \bar{e} P_{\mu}.$

$P''PsPiPsPjC - P \bar{I} PSC - \quad C \bar{H} P_{\mu} C \bar{I} PsPIP \bar{e} PSP \bar{e}$

$PjP_{\mu} P_{\mu} \quad P \gg C - PeP^{\circ} C \bar{H} C \bar{I} C \bar{H} PeP \bar{e} P_{\mu} \quad P \cdot P^{\circ} C \bar{I} C - P \pm \quad PjC - C \bar{I} C, P \bar{e} C, CH \quad PjP_{\mu} PSC \epsilon P_{\mu} \quad 1$
 $PjPjPsP \gg CH \quad (23 \quad PjPi) / PrPsP \cdot Cr \quad PSP^{\circ} C, C \bar{H} C - C \bar{H}, \quad C, PsP \pm C, Ps \quad PiC \bar{H} P^{\circ} PeC, P \bar{e} C \bar{I} PSPs$
 $PIC - P \gg CHPSP \bar{e} P_{\mu} \quad PIC - Pr \quad PSP^{\circ} C, C \bar{H} C - C \bar{H}.$

$P - P^{\circ} C \bar{I} C, PsC \bar{I} C \bar{I} PIP^{\circ} PSPSC \bar{I} C \quad C \bar{I} \quad PiP_{\mu} C \bar{H} C - PsPr \quad PIP^{\circ} PiC - C, PSPsC \bar{I} C, C - \quad P^{\circ} P \pm Ps$
 $PiPsPrC \bar{I} PIP^{\circ} PSPSC \bar{I} C \quad PiC \bar{H} C \bar{I} PrPrC \bar{H}.$

$P'P^{\circ} PiC - C, PSC - C \bar{I} C, CH$

$P - PsP \gg P_{\mu} CrPj \quad PiC \bar{H} PsC, P \bar{e} PiPsPeP^{\circ} P \cdot P^{\circ} PSP \bar{e} P_{\mu} \quad Cr \quad PiP_{\mu} C \bar{H} C - PsPr \quad PIP^{\circ} PiC - C, PSPsC \bar{I} C, C -.$
 $P''P^{\circ} PSC - \quad C \% PsPrPs \quad P \cdot P^{\circ} C \bar{I} C, PsC \bar{I} CrPIP^{\circ} PSPSC \bar{I} C \quad P \cdot PsP \gg P_{\mu} PrC \bar{H} PsPSPsPIPsC - \quad PeP \bar{e} C \bar{I} P \gg PsC, P \bar{e}$
 $PrP \gg C \bar{I} C \quad P \gg C - PeCrPIP^{\circ} PSPSC \bar{I} C \quad PIP^{\circ} PiC - C, PSP \bar{e} C \dots \quad P \bar{I} C - PSPsPe \quad PIC - PrC \bar{I} CrC, PSC -.$
 $P''PsC \bar{I} P \gg C - PrP \bar{I} P_{\mu} PSPSC \bar{I} C \quad PSP^{\circ} \quad C, PIP^{\circ} C \bar{H} P \bar{e} PSP^{\circ} C \dots \quad PiC \bar{H} PsPrP_{\mu} PjPsPSC \bar{I} C, C \bar{H} CrPIP^{\circ} P \gg P \bar{e}$
 $C, PsPeC \bar{I} P \bar{e} C \bar{I} PSP \bar{e} P_{\mu} \quad PIPiP \gg P \bar{e} PI \quad PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, Cr \quad PSP^{\circ} \quad C \bar{H} P_{\mu} PiC \bar{H} PsPrCrPeC, P \bar{e} PIPSCr$
 $C, CrPSPeC \bar{I} C - C \bar{H}, \quad PIPeP \gg C \bar{H} C \bar{I} P^{\circ} C \bar{H} C \bar{I} P \bar{e} \quad PIP^{\circ} PrP \bar{e} \quad C \bar{H} PsP \cdot PIP \bar{e} C, PeCr.$
 $P_{\mu} PsC, P_{\mu} PSC \bar{I} C - P_{\mu} PSP \bar{e} P_{\mu} \quad C \bar{H} P \bar{e} P \cdot P \bar{e} Pe \quad PrP \gg C \bar{I} C \quad P \gg CHPrP \bar{e} PSP \bar{e} \quad PSP_{\mu} PIC - PrPsPjP \bar{e} P_{\mu}.$

$P''PsPrCrPIP^{\circ} PSPSC \bar{I} C \quad PiC \bar{H} CrPrPrC \bar{H}$

$PkP_{\mu} PIC - PrPsPjPs, \quad C \bar{I} P \bar{e} \quad P_{\mu} PeC \bar{I} PeC \bar{H} P_{\mu} C, CrC''C, CHC \bar{I} C \bar{I} C \quad P \cdot PsP \gg P_{\mu} PrC \bar{H} PsPSPsPIP^{\circ}$
 $PeP \bar{e} C \bar{I} P \gg PsC, P^{\circ} \quad Cr \quad PiC \bar{H} CrPrPSP_{\mu} \quad PjPsP \gg PsPePs \quad P \gg CHPrP \bar{e} PSP \bar{e}. \quad P - PsP \gg P_{\mu} CrPj$
 $PiC \bar{H} PsC, P \bar{e} PiPsPeP^{\circ} P \cdot P^{\circ} PSP \bar{e} P_{\mu} \quad Cr \quad PiP_{\mu} C \bar{H} C - PsPr \quad PiPsPrCrPIP^{\circ} PSPSC \bar{I} C \quad PiC \bar{H} CrPrPrC \bar{H}.$

$P - C - PSPeP \bar{e} \quad C \bar{H} P_{\mu} PiC \bar{H} PsPrCrPeC, P \bar{e} PIPSPsPiPs \quad PIC - PeCr$

$P - PsP \gg P_{\mu} CrPj \quad PSP_{\mu} \quad C \bar{H} P_{\mu} PePsPjP_{\mu} PSPrCrC''C, CHC \bar{I} C \bar{I} C \quad PrP \gg C \bar{I} C \quad P \cdot P^{\circ} C \bar{I} C, PsC \bar{I} CrPIP^{\circ} PSPSC \bar{I} C$
 $P \bar{I} C - PSPeP^{\circ} Pj \quad C \bar{H} P_{\mu} PiC \bar{H} PsPrCrPeC, P \bar{e} PIPSPsPiPs \quad PIC - PeCr.$

$P \propto P_{\mu} C \bar{H} C, P \bar{e} P \gg CHPSC - C \bar{I} C, CH.$

$P_{\mu} PsC, P_{\mu} PSC \bar{I} C - P_{\mu} PSP \bar{e} P_{\mu} \quad PSP_{\mu} P \pm P^{\circ} P \bar{I} P^{\circ} PSP \bar{e} P_{\mu} \quad PIPiP \gg P \bar{e} PI \quad P \cdot PsP \gg P_{\mu} PrC \bar{H} PsPSPsPIPsC -$
 $PeP \bar{e} C \bar{I} P \gg PsC, P \bar{e} \quad PSP^{\circ} \quad C, P_{\mu} C \bar{H} C, P \bar{e} P \gg CHPSC - C \bar{I} C, CH \quad PIP \bar{e} PIC \bar{I} P^{\circ} P \gg P \bar{e} \quad PSP^{\circ} \quad C \% CrC \bar{H} P^{\circ} C \dots$
 $P \pm P^{\circ} C, CHPeC - PIC \bar{I} CHPePsPiPs \quad C, P^{\circ} \quad F1 \quad PiPsPePsP \gg C - PSC \bar{H}. \quad Pj \quad C \bar{H} P_{\mu} P \cdot CrP \gg CHC, P^{\circ} C, C -$
 $PIP \bar{e} C \bar{I} PIP \gg P_{\mu} PSPs \quad PSP^{\circ} PrPjC - C \bar{H} PSPs \quad PiPsC \bar{I} P \bar{e} P \gg P_{\mu} PSP \bar{e} P_{\mu}$
 $C, P^{\circ} C \bar{H} PjP^{\circ} PePsP \gg PsPiC - C \bar{I} PSP \bar{e} P_{\mu} \quad P_{\mu} C, P_{\mu} PeC, C \bar{I} PeP \bar{e} P_{\mu} \quad C \bar{H} PsP \cdot PiP \gg C \bar{I} PrP^{\circ} C''C, CHC \bar{I} C \bar{I} C$
 $C \bar{I} Pe \quad PiPsPiB \bar{H}^{\text{TM}} \quad C \bar{I} P \cdot P^{\circ} PSP \bar{e} P_{\mu} \quad C - P \cdot \quad PiP^{\circ} P \gg CHPjCrPIP^{\circ} PSPSC \bar{I} C \quad PjPsP \pm C - P \gg C - P \cdot P^{\circ} C \bar{I} C -$
 $C \bar{I} PeP_{\mu} P \gg P_{\mu} C, PSPsPiPs \quad PeP^{\circ} P \gg CHC \bar{I} C - C \bar{H} \quad PiC \bar{H} P_{\mu} PiP^{\circ} C \bar{H} P^{\circ} C, PsPj, \quad C \% Ps \quad P \cdot CrPjPsPIP \bar{e} P \gg Ps$
 $C \bar{H} PsP \cdot PIP \bar{e} C, PsPe \quad PiP_{\mu} C \bar{H} P \bar{e} PSP^{\circ} C, P^{\circ} P \gg CHPSPsC - \quad PiC - PiPsPeP^{\circ} P \gg CHC \bar{I} C - C''PjC - C -,$

PIPsPrC-P±PSPëPjPë.

P'PIPμPrPμPSPSCII P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±Cž. P—PsP»PμCÍPj PIPiPsPrPëC,Pë PİPsPIC-P»CHPSPs C†PμCḡPμP· PsPeCḡPμPjCÍ C-PSC,,CÍP·C-PNëPSCÍ CÍPëCÍC,PμPjCÍ P· PIC-PrPIPμPrPμPSPSCII Pj PİPsPIC-C,CḡCII C- P· CÍCḡP°C...CÍPIP°PSPSCII Pj PİPsCÍC,C-PNëPSPsC— CëPIPëPrPePsCÍC,C- PIPiPμPrPμPSPSCII. P§P°CÍ PIPiPμPrPμPSPSCII PİCḡPμPİP°CḡP°C,CÍ PİPsPIPëPSPμPS CÍC,P°PSPsPIPëC,Pë PSPμ PjPμPSCëPμ 15 C...PIPëP»PëPS. P·CÍPrCH-CIIPePëPNë PSPμPIPëPePsCḡPëCÍC,P°PSPëPNë P·P°P»PëCëPsPe P°P±Ps PIC-PrC...PsPrPë CÍP»C-Pr CÍC,PëP»C-P·CÍPIP°C,Pë PIC-PrPİPsPIC-PrPSPs PrPs PjC-CÍC†PμPIPëC... PIPëPjPsPi. P—P°CÍC,PsCÍPsPICÍPIP°C,Pë PjPsP¶PSP° C,C-P»CHPePë PİCḡPsP·PsCḡPëPNë CḡPsP·C†PëPS, P±PμP· PIPëPrPëPjPëC... C†P°CÍC,PsPe C- P±PμP· P·PjC-PSPë PePsP»CHPsCḡCÍ.

PİPeC%Ps CḡPsP·C†PëPS PsC...PsP»PsPrP¶PμPSPëPNë, PSPμPsP±C...C-PrPSPs PrP°C,Pë PNëPsPjCÍ PrPsCÍCIIPiC,Pë PeC-PjPSP°C,PSPsC— C,PμPjPİPμCḡP°C,CÍCḡPë PİPμCḡPμPr P·P°CÍC,PsCÍCÍPIP°PSPSCII Pj. PμC-Pr C†P°CÍ PİCḡPëPiPsC,CÍPIP°PSPSCII CḡPsP·C†PëPSCÍ PrP»CII PIPSCÍC,CḡC-CëPSCḡPsPIPμPSPSPsC— C-PSC,,CÍP·C-C— PSPμPsP±C...C-PrPSPs PrPsC,CḡPëPjCÍPIP°C,PëCÍCII PİCḡP°PIPëP» P°CÍPμPİC,PëPePë.

PμCḡPμPİP°CḡP°C, P·P°CÍC,PsCÍPsPICÍPIP°C,Pë C,C-P»CHPePë PsPrPSPsCḡP°P·PsPIPs.

P— PjC-PeCḡPsP±C-PsP»PsPiC-C†PSPsC— C,PsC†PePë P·PsCḡCÍ PİCḡPμPİP°CḡP°C, PSPμPsP±C...C-PrPSPs PIPëPePsCḡPëCÍC,P°C,Pë PSPμPİP°PNëPSPs. P' C-PSCëPsPjCÍ CḡP°P·C- P·P° C†P°CÍ C- CÍPjPsPIPë P·P±PμCḡC-PİP°PSPSCII PIC-PrPİPsPIC-PrP°P»CHPSPëPNë PePsCḡPëCÍC,CÍPIP°C†, CḡPsP·C†PëPS CḡPμPePsPjPμPSPPrCÍC",CHCÍCII P·P±PμCḡC-PİP°C,Pë PSPμ P±C-P»CHCëPμ 24 PİPsPrPëPS PİCḡPë C,PμPjPİPμCḡP°C,CÍCḡC- 2-8 °C.

P"C-C,Pë.

PμCḡPμPİP°CḡP°C, P—PsP»PμCÍPj PSPμ CḡPμPePsPjPμPSPPrPsPIP°PSPs PİCḡPëP·PSP°C†P°C,Pë PrC-C,CII Pj C,P° PİC-PrP»C-C,PeP°Pj (PIC-PePsPj PrPs 18 CḡPsPeC-PI), PsCÍPeC-P»CHPePë PSPμPrPsCÍC,P°C,PSCHPs PrP°PSPëC... C%PsPrPs P±PμP·PİPμPePë C,P° PμC,,PμPeC,PëPIPSPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCII PİCḡPμPİP°CḡP°C,CÍ C†C-PNë PIC-PePsPIC-PNë PİCḡCÍPİC-.

PμPμCḡPμPrPsP·CžPIP°PSPSCII.

PḡP»C-PSC-C†PSPëPNë PrPsCÍPIC-Pr PİPsCÍC,CḡPsPiPs PİPμCḡPμPrPsP·CÍPIP°PSPSCII PsP±PjPμP¶PμPSPëPNë. PŸC,P°PS PİP°C†C-C"PSC,C-PI, CIIPeC- PsC,CḡPëPjP°P»Pë PrPsP·Pë, C%Ps PİPμCḡPμPIPëC%CrCḡC,CH CḡPμPePsPjPμPSPPrPsPIP°PSCÍ, PİPsC,CḡPμP±CÍC" CḡPμC,PμP»CHPSPsPiPs PjPsPSC-C,PsCḡPëPSPiCÍ. Pj CḡP°P·C- PİPμCḡPμPrPsP·CÍPIP°PSPSCII, C%Ps PİCḡPëP·PIPsPrPëC,CH PrPs PeP»C-PSC-C†PSPs P·PSP°C†CÍC%PsC— PİC-PİPsPeP°P»CHC†C-C"PjC-C—, PePsPjPİPμPSCÍP°C†C-CII CÍC,P°PSCÍ PjPsP¶Pμ P±CÍC,Pë PrPsCÍCIIPiPSCÍC,P° PrPsPrP°C,PePsPIPëPj P·P°CÍC,PsCÍCÍPIP°PSPSCII Pj PeP°P»CHC†C-Cḡ PİPμCḡPsCḡP°P»CHPSPs C,P°/P°P±Ps PIPSCÍC,CḡC-CëPSCḡPsPIPμPSPSPsCḡ C-PSC,,CÍP·C-C" Cḡ PeP°P»CHC†C-Cḡ PİP»CḡPePsPSP°C,CÍ.

PμPsP±C-C≠PSC- CḡPμP°PeC†C-C—.

P—P°PiP°P»CHbPSPëPñ PIC-PrC†PsC,PsPe PïP°C†C-C”PSC,C-PI, Cr C‡PePëC...
C†PiPsC†C,PμCḡC-PiP°P»PëC†C‡ PSPμP±P°P¶P°PSC- CḡPμP°PeC†C-C—, C†C,P°PSPsPIPëPI 44,7
%, 16,7 %

C- 10,2 % PiC-C†P»C‡ PïPμCḡCëPsPiPs, PrCḡCrPiPsPiPs C- C,CḡPμC,CHbPsPiPs
PIPIPμPrPμPSPSC‡ P·PsP»PμPrCḡPsPSPsPIPsC— PePëC†P»PsC,Pë PIC-PrPiPsPIC-PrPSPs.
P§P°C†C,PsC,P° PsPeCḡPμPjPëC... PSPμP±P°P¶P°PSPëC... CḡPμP°PeC†C-Pñ PiC-C†P»C‡
PïPμCḡCëPsPiPs PIPIPμPrPμPSPSC‡ P·PsP»PμPrCḡPsPSPsPIPsC— PePëC†P»PsC,Pë
C†C,P°PSPsPIPëP»P°: PiP°CḡC‡C≠PeP° бḡ“ 17,1 %, PjC-P°P»CHbPiC-C‡ бḡ“ 7,8 %,
PiCḡPëPiPsPiPsPrC-P±PSC- C†PëPjPiC,PsPjPë бḡ“ 6,7 %, P°CḡC,CḡP°P»PiC-C‡ бḡ“ 4,8 % C-
PiPsP»PsPIPSPëPñ P±C-P»CH бḡ“

5,1 %. P§P°C†C,PsC,P° C†PëC... CḡPμP°PeC†C-Pñ PiPsPjC-C,PSPs P·PjPμPSCëCrPiP°P»P°C†C‡ P·
PïPsPrP°P»CHbCëPëPj P·P°C†C,PsC†CrPiP°PSPSC‡Pj C%oPsCḡC-C≠PSPsC— PrPsP·Pë
P·PsP»PμPrCḡPsPSPsPIPsC— PePëC†P»PsC,Pë. P’C-P»CHbCëC-C†C,CH C†PëC...
CḡPμP°PeC†C-Pñ C†PiPsC†C,PμCḡC-PiP°P»PëC†C‡ PiCḡPsC,C‡PiPsPj PïPμCḡCëPëC...
C,CḡCHbPsC... PrPSC-PI PiC-C†P»C‡ PIPIPμPrPμPSPSC‡ P·PsP»PμPrCḡPsPSPsPIPsC—
PePëC†P»PsC,Pë, P±CrP»Pë C†P»P°P±PePëPjPë P°P±Ps PiPsPjC-CḡPSPëPjPë P·P°
PIPëCḡP°P¶PμPSC-C†C,Cḡ C- PjPëPSP°P»Pë PiCḡPsC,C‡PiPsPj C,CḡCHbPsC... PrPSC-PI. Pj
C...PsPrC- PiCḡPsPIPμPrPμPSPSC‡ PSPμPIPμP»PëPePsPiPs PrPsC†P»C-PrP¶PμPSPSC‡, PI
C‡PePsPjCr PiCḡPsC,Pë PSPμP±P°P¶P°PSPëC... CḡPμP°PeC†C-Pñ P±CrP»Ps
PiCḡPsPIPμPrPμPSPs PiCḡPsC,,C-P»P°PeC,PëPeCr, C‡Pe PsPiPëC†P°PSPs PSPëP¶C≠Pμ,
PIC-PrC†PsC,PsPe PïP°C†C-C”PSC,C-PI, Cr C‡PePëC... C†PiPsC†C,PμCḡC-PiP°P»PëC†C‡
PSPμP±P°P¶P°PSC- CḡPμP°PeC†C-C—, P±CrPI PSPëP¶C≠PëPñ (19,5 %, 10,4 %, 10,7 %
PiC-C†P»C‡ PïPμCḡCëPsPiPs, PrCḡCrPiPsPiPs C- C,CḡPμC,CHbPsPiPs PIPIPμPrPμPSPSC‡
P·PsP»PμPrCḡPsPSPsPIPsC— PePëC†P»PsC,Pë PIC-PrPiPsPIC-PrPSPs).

PkPëP¶C≠PμPSP°PIPμPrPμPSC- PiPsP±C-C≠PSC- CḡPμP°PeC†C-C—
C†PëC†C,PμPjP°C,PëP·PsPIP°PSPs PIC-PrPiPsPIC-PrPSPs PrPs PeP»P°C†C-PI C†PëC†C,PμPj
PsCḡPiP°PSC-PI P·P° MedDRA C,P° C≠P°C†C,PsC,PsCḡ: PrCrP¶Pμ PiPsCëPëCḡPμPSC- (³1/10),
PiPsCëPëCḡPμPSC- (³1/100, <1/10), PSPμPiPsCëPëCḡPμPSC- (³1/1000, <1/100), CḡC-PrPePs
PiPsCëPëCḡPμPSC- (³1/10000, <1/1000), PrCrP¶Pμ CḡC-PrPePs PiPsCëPëCḡPμPSC-
(<1/10000), C≠P°C†C,PsC,P° PSPμPIC-PrPsPjP° (PSPμ PjPsP¶PSP° PsC†C-PSPëC,Pë PSP°
PsC†PSPsPIC- PSP°C‡PIPSPëC... PrP°PSPëC...). Pj PjPμP¶P°C... PePsP¶PSPsC— PiCḡCrPiPë
C≠P°C†C,PsC,Pë PSPμP±P°P¶P°PSC- CḡPμP°PeC†C-C— PiCḡPμPrC†C,P°PIP»PμPSPs Cr
PiPsCḡC‡PrPeCr P·PjPμPSCëPμPSPSC‡ PiCḡPsC‡PIC-PI.

P†PSC,,PμPeC†C-C— C,P° C-PSPIP°P·C-C—:

PSPμPiPsCëPëCḡPμPSC- бḡ“ PiCḡPëPi, PSP°P·PsC,,P°CḡPëPSPiC-C.,.

P— P±PsPeCž PeCḡPsPIC- C,P° P»C-PjC,,P°C,PëC≠PSPsC— C†PëC†C,PμPjPë:

PSPμPiPsCëPëCḡPμPSC- бḡ“ P°PSPμPjC-C‡.

P— P±PsPeCž C-PjCžPSPSPsC— C†PëC†C,PμPjPë:

C≠P°C†C,PsC,P° PSPμPIC-PrPsPjP°** бḡ“ CḡPμP°PeC†C-C—
PiC-PïPμCḡC≠CrC,P»PëPIPsC†C,C-, PIPeP»CḡC≠P°CḡC≠Pë CḡC-PrPeC-C†PSC-
PIPëPiP°PrPePë P±CḡPsPSC...PsC†PiP°P·PjCr, PeCḡPsPiPëPiбḡ™ C‡IPSPëPë C,P°
P°PSPiC-PsPSPμPICḡPsC,PëC≠PSPsPiPs PSP°P±CḡC‡PeCr C,P° PrCrP¶Pμ

СҒС-PrPeC-СҒPSC- PIPëPïP°PrPePë P°PSP°C,,C-P»P°PeC,PëC‡PSPëC...
СҒPµP°PeC‡C-PNë/CëPsPeCғ.

P— P±PsPeCз PjPµC,P°P±PsP»C-P·PjCз C,P° C...P°СҒС‡CзPIP°PSPSCЦ:

PïPsCëPëСҒPµPSC- **вҒ**“ PiC-PïPsPeP°P»CHC‡C-C”PjC-ЦЦ*;

PSPµPïPsCëPëСҒPµPSC- вҒ” P·PSPëP¶PµPSPSCЦ P°PïPµC,PëC,Cғ,

СҒС-PrPePs PïPsCëPëСҒPµPSC- вҒ” PiC-PïPsC,,PsCғC,,P°C,PµPjC-ЦЦ.

PµCғPëC...C-C‡PSC- PïPsСҒСзCëPµPSPSCЦ:

PSPµPïPsCëPëСҒPµPSC- вҒ” P±PµP·CғPsPSPSCЦ.

P— P±PsPeCз C‡PµPSC,СҒP°P»CHbPSPsC— PSPµСҒPIPsPIPsC— CғPëCғC,PµPjPë:

PïPsCëPëСҒPµPSC- вҒ” PiPsP»PsPIPSPëPNë P±C-P»CH, P·P°PïP°PjPsСҒPsC‡PµPSPSCЦ;

PSPµPïPsCëPëСҒPµPSC- вҒ” P»PµC,P°СҒPiC-ЦЦ, PïP°СҒPµCғC,PµP·C-ЦЦ,
CғPsPSP»PëPIC-CғC,CH, C,СҒPµPjPsСҒ, PSPµPïСҒPëC,PsPjPSC-CғC,CH
(CғPëPSPePsPïPµ), PïPsСҒСғCëPµPSPSCЦ CғPjP°PeCғ.

P— P±PsPeCз PsСҒPïP°PSC-PI P·PsСҒСз:

PïPsCëPëСҒPµPSC- вҒ” PiC-PïPµСҒPµPjC-ЦЦ PsC‡PµPNë;

PSPµPïPsCëPëСҒPµPSC- вҒ” PePsPSвҒ™ CHbPSPeC,PëPIC-C,, P±C-P»CH PI PsC‡P°C...;

СҒС-PrPePs PïPsCëPëСҒPµPSC- вҒ” CғPIPµC—C,, PµPïC-CғPeP»PµСҒPëC,,
P·P°PïP°P»PµPSPSCЦ СҒP°PNëPrCғP¶PSPsC— PsP±PsP»PsPSPePë;

C‡P°CғC,PsC,P° PSPµPIC-PrPsPjP°** вҒ” CғPeP»PµСҒPëC, C,P° P·P°PïP°P»PµPSPSCЦ
PsPeP°.

P— P±PsPeCз PsСҒPïP°PSC-PI CғP»CзC...Cз C,P° P»P°P±C-СҒPëPSC,Cз:

PSPµPïPsCëPëСҒPµPSC- вҒ” PIPµСҒС,PëPiPs.

P— P±PsPeCз CғPµСҒС‡PµPIPsC— CғPëCғC,PµPjPë:

PïPsCëPëСҒPµPSC- вҒ” C,,C-P±СҒPëP»ЦЦC‡C-ЦЦ PïPµСҒPµPrCғPµСҒPrCH;

PSPµPïPsCëPëСҒPµPSC- вҒ” PïC-PrCғPëP»PµPSPµ CғPµСҒС‡PµP±PëC,C,ЦЦ.

P— P±PsPeCз CғCзPrPëPSPSPsC— CғPëCғC,PµPjPë:

PSPµPïPsCëPëСҒPµPSC- вҒ” P°СҒС,PµСҒС-P°P»CHbPSP° PiC-PïPµСҒС,PµPSP·C-ЦЦ,
PïСҒPëPïP»PëPIPë;

C‡P°CғC,PsC,P° PSPµPIC-PrPsPjP°** вҒ” PiC-PïPsC,PµPSP·C-ЦЦ (Cғ PrPµЦЦPePëC...
PïP°C‡C-C”PSC,C-PI PSP° C,P»C- C,,P°PeC,PsСҒС-PI СҒPëP·PëPeCғ).

$P - P \pm PsPeC \acute{e} C \bar{H} P_{\mu} C \acute{I} P \acute{I} C - C \bar{H} P^{\circ} C, PsC \bar{H} P S P S P i P s C, C \bar{H} P^{\circ} P e C, C \acute{e}, PsC \bar{H} P i P^{\circ} P S C - P i C \bar{H} C \acute{a} P r P S P S C - P e P \gg C - C, P e P \ddot{e} C, P^{\circ} C \acute{I} P_{\mu} C \bar{H} P_{\mu} P r P s C \acute{I} C, C - P S P S C \bar{I} I:$

$P S P_{\mu} P \acute{I} P s C \acute{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P e P^{\circ} C \acute{e} P_{\mu} P \gg C \bar{H}, P \cdot P^{\circ} P r P \ddot{e} C \acute{e} P e P^{\circ}.$

$P - P \pm PsPeC \acute{e} C \acute{e} P \gg C \acute{a} P S P e P s P I P s - P e P \ddot{e} C \acute{e} P e P s P I P s P i P s C, C \bar{H} P^{\circ} P e C, C \acute{e}:$

$P \acute{I} P s C \acute{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P S C \acute{I} P r P s C, P^{\circ}, P \pm P \gg C \bar{H} P i P^{\circ} P S P S C \bar{I} I, P r C - P^{\circ} C \bar{H} P_{\mu} C \bar{I} I;$

$P S P_{\mu} P \acute{I} P s C \acute{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P r P \ddot{e} C \acute{I} P i P_{\mu} P \acute{I} C \acute{I} C - C \bar{I} I, P \pm C - P \gg C \bar{H} P i$
 $P_{\mu} P \acute{I} C - P i P^{\circ} C \acute{I} C, C \bar{H} C - C -, P \pm C - P \gg C \bar{H} C \acute{I} P \ddot{e} P i P s C, C -,$
 $P i P^{\circ} C \acute{I} C, C \bar{H} P s P_{\mu} P \cdot P s C, P^{\circ} P i P_{\mu} P^{\circ} P \gg C \bar{H} P S P^{\circ} C \bar{H} P_{\mu} C, P \gg C \bar{H} P e C \acute{I} P S P^{\circ} C \dots P i P s C \bar{H} P s P \pm P^{\circ},$
 $P \cdot P^{\circ} P \acute{I} P s C \bar{H}, C \acute{I} C \acute{I} C \dots C - C \acute{I} C, C \bar{H} C \acute{I} C \bar{H} P s C, C -, P_{\mu} P \cdot P s C, P^{\circ} P i C - C, P \cdot C \acute{I} P \pm P S P \ddot{e} P N_{\bar{e}}$
 $P \pm C - P \gg C \bar{H}, P i P^{\circ} C \acute{I} C, C \bar{H} P \ddot{e} C, \#.$

$P - P \pm PsPeC \acute{e} C \acute{e} P e C - C \bar{H} P \ddot{e} C, P^{\circ} P \acute{I} C - P r C \acute{e} P e C - C \bar{H} P S P S C - C, P e P^{\circ} P S P \ddot{e} P S P \ddot{e}:$

$P S P_{\mu} P \acute{I} P s C \acute{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P i P \ddot{e} C \acute{I} P \ddot{e} P i P^{\circ} P S P S C \bar{I} I, P i C - P i P_{\mu} C \bar{H} P i C - P r C \bar{H} P s P \cdot,$
 $C \acute{I} P i P_{\mu} C \bar{H} P \pm C - P \bar{I}, P_{\mu} C \bar{H} P \ddot{e} C, P_{\mu} P j P^{\circ}.$

$P - P \pm PsPeC \acute{e} C \acute{I} P e P_{\mu} P \gg P_{\mu} C, P S P s - P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P s C - C \acute{I} P \ddot{e} C \acute{I} C, P_{\mu} P j P \ddot{e} C, P^{\circ}$
 $C \acute{I} P i P s P \gg C \acute{a} C \bar{I} P S P S C - C, P e P^{\circ} P S P \ddot{e} P S P \ddot{e}:$

$P \acute{I} P s C \acute{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P j C - P^{\circ} P \gg P i C - C \bar{I} I, P^{\circ} C \bar{H} C, C \bar{H} P^{\circ} P \gg P i C - C \bar{I} I, P \pm C - P \gg C \bar{H} C \acute{I}$
 $P e C - C \acute{I} C, P e P^{\circ} C \dots, P \pm C - P \gg C \bar{H} C \acute{I} C \bar{I} P i P \ddot{e} P S C -, P \pm C - P \gg C \bar{H} C \acute{I} P e C - P S C \dagger C - P i P e P^{\circ} C \dots;$

$P S P_{\mu} P \acute{I} P s C \acute{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P \pm C - P \gg C \bar{H} C \acute{I} C \acute{e} P \ddot{e} C -, P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P s - C \acute{I} P e P_{\mu} P \gg P_{\mu} C, P S P^{\circ}$
 $C \acute{I} P e C \acute{I} C, C - C \acute{I} C, C \bar{H}, P S P^{\circ} P \pm C \bar{H} C \bar{I} I P e P \gg C - C \acute{I} C, C \bar{H} C \acute{I} C \acute{I} P i P \gg P s P \pm C - P i, C \acute{I} P i P^{\circ} P \cdot P j P \ddot{e}$
 $P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot C - P i, P \pm C - P \gg C \bar{H} C \acute{I} P i P \gg P_{\mu} C \dagger C -, P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P s - C \acute{I} P e P_{\mu} P \gg P_{\mu} C, P S P \ddot{e} P N_{\bar{e}} P \pm C - P \gg C \bar{H}$
 $C \acute{I} P i C \bar{H} C \acute{I} P r C \bar{I} I C \dots, P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P s - C \acute{I} P e P_{\mu} P \gg P_{\mu} C, P S P \ddot{e} P N_{\bar{e}} P \pm C - P \gg C \bar{H}, C \acute{I} P e C \acute{I} C, C - C \acute{I} C, C \bar{H}$
 $C \acute{I} C \acute{I} P i P \gg P s P \pm C - P i, P^{\circ} C \bar{H} C, C \bar{H} P \ddot{e} C, P j e \bar{H}^{\text{TM}} C \bar{I} I P \cdot P s P I P^{\circ} C \acute{I} P \gg P^{\circ} P \pm P e C - C \acute{I} C, C \bar{H};$

$C \bar{H} C - P r P e P s P \acute{I} P s C \acute{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P^{\circ} C, P \ddot{e} P i P s P i P \ddot{e} P N_{\bar{e}} P \acute{I} C - P r P i P_{\mu} C \bar{H} C, P \gg C \bar{H} P \bar{I} P S P \ddot{e} P N_{\bar{e}} C, P^{\circ}$
 $P r C - P^{\circ} C, C - P \cdot P^{\circ} C \bar{H} P S P \ddot{e} P N_{\bar{e}} P i P_{\mu} C \bar{H} P_{\mu} P \gg P s P j C \acute{I} C, P_{\mu} P i P S P s P I P s C - P e C - C \acute{I} C, P e P \ddot{e}^{\text{b}} \bar{H}$
 $(P S P_{\mu} P \pm P^{\circ} P \bar{I} P^{\circ} P S P^{\circ} C \bar{H} P_{\mu} P^{\circ} P e C \dagger C - C \bar{I} I P e P \gg P^{\circ} C \acute{I} C \acute{I} P \pm C - C \acute{I} C, P s C \acute{I} C, P s P S P^{\circ} C, C - P i);$

$P r C \acute{I} P \bar{I} P_{\mu} C \bar{H} C - P r P e P s P \acute{I} P s C \acute{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P s C \acute{I} C, P_{\mu} P s P S P_{\mu} P e C \bar{H} P s P \cdot$
 $P \cdot P s P I P S C - C \acute{e} P S C \bar{H} P s P i P s C \acute{I} P \gg C \acute{I} C \dots P s P I P s P i P s P i C \bar{H} P s C \dots P s P r C \acute{I} (P S P_{\mu} C \acute{I} P i C \bar{H} P \ddot{e} C \bar{I} I C, P \gg P \ddot{e} P i C -$
 $C \bar{H} P_{\mu} P^{\circ} P e C \dagger C - C -, C, P \ddot{e} P i P s P i C - P r P \gg C \bar{I} I P \pm C - C \acute{I} C, P s C \acute{I} C, P s P S P^{\circ} C, C - P i);$

$C \dagger P^{\circ} C \acute{I} C, P s C, P^{\circ} P S P_{\mu} P i C - P r P s P j P^{\circ} \text{**}$ бҗ“ $P s C \acute{I} C, P_{\mu} P s P S P_{\mu} P e C \bar{H} P s P \cdot C \% P_{\mu} P \gg P_{\mu} P i P \ddot{e}.$

$P - P \pm PsPeC \acute{e} C \acute{I} P_{\mu} C \bar{I} P s C \acute{I} C, P^{\circ} C, P_{\mu} P i P s C - C \acute{I} P \ddot{e} C \acute{I} C, P_{\mu} P j P \ddot{e}:$

$P S P_{\mu} P \acute{I} P s C \acute{e} P \ddot{e} C \bar{H} P_{\mu} P S C -$ бҗ“ $P \acute{I} C - P r P i P \ddot{e} C \% P_{\mu} P S P S C \bar{I} I P e C \bar{H} P_{\mu} P^{\circ} C, P \ddot{e} P S C - P S C \acute{I} P e C \bar{H} P s P i C -,$
 $P \acute{I} P s P \gg P^{\circ} P e C - C \acute{I} C \bar{H} C - C \bar{I} I, P i C \bar{H} P s C, P_{\mu} C - P S C \acute{I} C \bar{H} C - C \bar{I} I;$

$C \dagger P^{\circ} C \acute{I} C, P s C, P^{\circ} P S P_{\mu} P i C - P r P s P j P^{\circ} \text{**}$ бҗ“ $P \acute{I} P s C \bar{H} C \acute{I} C \acute{e} P_{\mu} P S P S C \bar{I} I C, C \acute{I} P S P e C \dagger C - C -$
 $P S P \ddot{e} C \bar{H} P s P e. P C - P r P e C - C \acute{I} P S C - P i P \ddot{e} P i P^{\circ} P r P e P \ddot{e} P S P \ddot{e} C \bar{H} P e P s P i P s C -$
 $P S P_{\mu} P r P s C \acute{I} C, P^{\circ} C, P S P s C \acute{I} C, C -, C \% P s P i P \ddot{e} P j P^{\circ} P i P^{\circ} C \bar{H} C, C \bar{H} P i P_{\mu} P j P s P r C - P^{\circ} P \gg C - P \cdot C \acute{I},$
 $C, P^{\circ} C \bar{H} C - P r P e C - C \acute{I} P S C - P \gg P_{\mu} C, P^{\circ} P \gg C \bar{H} P S C - P i P \ddot{e} P i P^{\circ} P r P e P \ddot{e}$
 $C \acute{I} P i P s C \acute{I} C, P_{\mu} C \bar{H} C - P i P^{\circ} P \gg P \ddot{e} C \acute{I} C \bar{I} I C \acute{I} C \acute{I} P i P^{\circ} C \dagger C - C^{\text{''}} P S C, C - P i P \cdot C - C \acute{I} P S C \acute{I} C \bar{H} C \dagger P s C \bar{H}$

PSPëCĤPePsPIPsCĤ PrPëCĤC,,CřPSPeC†C-C”CĤ P°P±Ps C-PSC€PëPjPë
C,,P°PeC,PsCĤP°PjPë CĤPëP·PëPeCř, C,P°PePëPjPë CĤPe P»C-C,PSC-PNë PIC-Pe,
PsPrPSPsC†P°CĤPSPµ P·P°CĤC,PsCĤCřPIP°PSPSCĤ PSPµC,,CĤPsC,PsPeCĤPëC†PSPëC...
PĤCĤPµPĤP°CĤP°C,C-PI, PsPrPSPsC†P°CĤPSP° PrC-CřCĤPµC,PëC†PSP° C,PµCĤP°PĤC-CĤ
P°P±Ps PrPµPiC-PrCĤP°C,P°C†C-CĤ Cř PĤPsCĤC,C-PSC,,CřP·C-PNëPSPsPjCř
PĤPµCĤC-PsPrC-.

P>P°P±PsCĤP°C,PsCĤPSC- PĤPsPeP°P·PSPëPePë:

PĤPsC€PëCĤPµPSC- бĤ“ PĤC-PrPIPëC%PµPSPSCĤ CĤC-PIPSCĤ PŸ-CĤPµP°PeC,PëPIPSPsPiPs
PĤCĤPsC,PµC—PSCř;

PSPµPĤPsC€PëCĤPµPSC- бĤ“ P·PSPëP¶PµPSPSCĤ CĤC-PIPSCĤ PeP°P»CHC†C-CĤ PeCĤPsPIC-.

*P—P°PiP°P»CHPSC- PĤPsCĤCžC€PµPSPSCĤ C,P° PĤPsCĤCžC€PµPSPSCĤ, PĤPsPIбĤ™ CĤP·P°PSC-
P·C- CĤPĤPsCĤPsP±PsPj PĤIPµPrPµPSPSCĤ:*

PrCřP¶Pµ PĤPsC€PëCĤPµPSC- бĤ“ PĤP°CĤCĤC†PeP°;

PĤPsC€PëCĤPµPSC- бĤ“ PĤCĤPëPĤPsPĤPsPrC-P±PSC- CĤPëPjPĤC,PsPjPë, PsP·PSPsP±,
CĤC,PsPjP»CHPIP°PSC-CĤC,CH, P°CĤC,PµPSC-CĤ, P±C-P»CH, PSPµP·PrCřP¶P°PSPSCĤ,
CĤPµP°PeC†C-CĤ Cř PjC-CĤC†C- PĤIPµPrPµPSPSCĤ;

PSPµPĤPsC€PëCĤPµPSC- бĤ“ PĤPµCĤPëC,,PµCĤPëC†PSPëPNë PSP°P±CĤCĤPe, CĤPĤP°PiP°,
PĤPsCĤC,CĤPsC,,P°P·PsPIP° CĤPµP°PeC†C-CĤ, P±C-P»CH Cř PĤCĤCřPrCĤC...
PSPµCĤPµCĤC†PµPIPsPiPs PĤPsC...PsPrP¶PµPSPSCĤ;

C†P°CĤC,PsC,P° PSPµPIC-PrPsPjP°** бĤ“ PIC,PsCĤPëPSPSP° PrPµPiC-PrCĤP°C,P°C†C-CĤ
PsCĤPiP°PSC-P·PjCř, PĤPsPIбĤ™ CĤP·P°PSP° P· C,P°PePëPjPë CĤPëPjPĤC,PsPjP°PjPë
CĤPe PĤP°CĤCĤC†PeP°, P±P»CHPIP°PSPSCĤ C,P° PrC-P°CĤPµCĤ, C%Ps
CĤPsP·PIPëPIP°CĤC,CHCĤCĤ PĤC-CĤP»CĤ PĤIPµPrPµPSPSCĤ PĤCĤPµPĤP°CĤP°C,Cř.

PŸPĤPsCĤC,PµCĤC-PiP°P»PëCĤCĤ Cř PĤP°C†C-C”PSC,C-PI, CĤPeC- PsPrPSPsC†P°CĤPSPs
PĤCĤPëPNëPjP°P»Pë PiP»CHPePsPePsCĤC,PëPePsCĤC,PµCĤPsC—PrPë.

* PµPsC€PëCĤPµPSC- C,C-P»CHPePë PĤCĤPë C...PIPsCĤPsP±C- PµPµPrP¶PµC,P°.

** PĤP° PsCĤPSPsPIC- PĤPsCĤC,PjP°CĤPePµC,PëPSPiPsPIPëC... P·PIC-C,C-PI. PŸP°CĤC,PsC,P°
PSPµ PjPsP¶Pµ P±CřC,Pë PsC†C-PSPµPSP° PSP° PsCĤPSPsPIC- PSP°CĤPIPSPëC... PrP°PSPëC....

бĤ P’PëCĤPIP»PµPSC- Cř PĤPsCĤC,PjP°CĤPePµC,PëPSPiPsPIPëPNë PĤPµCĤC-PsPr.

PᄁC-P±CĤPëP»CĤC†C-CĤ PĤPµCĤPµPrCĤPµCĤPrCH

PµC-Pr C†P°CĤ PrPsCĤP»C-PrP¶PµPSPSCĤ HORIZON бĤ“ P±P°P·PsPIPsPiPs
PeP»C-PSC-C†PSPsPiPs PrPsCĤP»C-PrP¶PµPSPSCĤ PĤPµCĤPµP»PsPjC-PI (Pivotal Fracture Trial
[PFT]) P·P°PiP°P»CHPSP° C†P°CĤC,PsC,P° C,,C-P±CĤPëP»CĤC†C-C— PĤPµCĤPµPrCĤPµCĤPrCH
CĤC,P°PSPsPIPëP»P° 2,5 % (96 P· 3862 PĤP°C†C-C”PSC,C-PI) Cř PĤCĤCřPĤC-
P·PsP»PµPrCĤPsPSPsPIPsC— PePëCĤP»PsC,PëB PĤPsCĤC-PIPSCĤPSPs P· 1,9 % (75 P· 3852
PĤP°C†C-C”PSC,C-PI) Cř PĤCĤCřPĤC- PĤP»P°C†PµP±Ps. PŸP°CĤC,PsC,P°
C,,C-P±CĤPëP»CĤC†C-C— PĤPµCĤPµPrCĤPµCĤPrCH CĤPe CĤPµCĤPNëPsP·PSPsC—

PīPsP±C-C±PSPsC— CḡPμP°PeC†C-C— P·CḡPsCḡP»P° C,P° CḡC,P°PSPsPIPēP»P° 1,3 % (51 P· 3862) Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē P·PsP»PμPrCḡPsPSPsPICḡ PePēCḡP»PsC,Cḡ, PīPsCḡC-PIPSCḡPSPs P· 0,6 % (22 P· 3852) Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē PīP»P°C†PμP±Ps. PḡPμC...P°PSC-P·Pj, C%Ps CḡPīCḡPēC±PēPSCḡC” PīC-PrPIPēC%PμPSPSCḡ C±P°CḡC,PsC,Pē C,,C-P±CḡPēP»CḡC†C-C— PīPμCḡPμPrCḡPμCḡPrCḡ, PSPμPIC-PrPsPjPēPḡ. Pj PrPsCḡP»C-PrPḡPμPSPSCḡC... PsCḡC,PμPsPīPsCḡPsP·Cḡ (PFT, HORIZON Bḡ” PeP»C-PSC-C±PSPμ PrPsCḡP»C-PrPḡPμPSPSCḡ PīPsPIC,PsCḡPSPsPīPs PīPμCḡPμP»PsPjCḡ [RFT]) P·P°PīP°P»CḡPSP° C±P°CḡC,PsC,P° C,,C-P±CḡPēP»CḡC†C-Pḡ PīPμCḡPμPrCḡPμCḡPrCḡ P±CḡP»P° PīPsCḡC-PIPSCḡPSPsCḡ Cḡ PīCḡCḡPīC- P·PsP»PμPrCḡPsPSPsPIPSC— PePēCḡP»PsC,Pē (2,6 %) C,P° PīCḡCḡPīC- PīP»P°C†PμP±Ps (2,1 %). PḡP°CḡC,PsC,P° C,,C-P±CḡPēP»CḡC†C-C— PīPμCḡPμPrCḡPμCḡPrCḡ CḡPe CḡPμCḡPḡPsP·PSPSC— PīPsP±C-C±PSPsC— CḡPμP°PeC†C-C— CḡC,P°PSPsPIPēP»P° 1,3 % Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē P·PsP»PμPrCḡPsPSPsPICḡ PePēCḡP»PsC,Cḡ, PīPsCḡC-PIPSCḡPSPs P· 0,8 % Cḡ PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē PīP»P°C†PμP±Ps.

P·C,,PμPeC,Pē PeP»P°CḡCḡ PīCḡPμPīP°CḡP°C,C-PI.

PμPsCḡCḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe.

PμCḡPē PīPμPrPμPSPSC- P·PsP»PμPrCḡPsPSPsPIPSC— PePēCḡP»PsC,Pē CḡPīPsCḡC,PμCḡC-PiP°P»PēCḡCḡ PīPsP±C-C±PSC- CḡPμP°PeC†C-C—, C%Ps PīCḡPsCḡPIP»CḡP»PēCḡCḡ Cḡ PIPēPīP»CḡPrC- PīPsPīC-CḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe (P·PsPeCḡPμPjP° PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ PeCḡPμP°C,PēPSC-PSCḡ CḡPēCḡPsPIP°C,PePē PeCḡPsPIC-) C- CḡC-PrPePs Bḡ” CḡPe PīPsCḡC,CḡP° PSPēCḡPePsPIP° PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ. PμPsCḡCḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe CḡPīPsCḡC,PμCḡC-PiP°P»PsCḡCḡ PSP° C,P»C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡ P·PsP»PμPrCḡPsPSPsPIPSC— PePēCḡP»PsC,Pē, PsCḡPsP±P»PēPIPḡ Cḡ PīP°C†C-C”PSC,C-PI C-P· P·P°C...PIPSCḡCḡPIP°PSPSCḡPjPē PSPēCḡPsPe Pī P°PSP°PjPSPμP·C- P°P±Ps PrPsPrP°C,PePsPIPēPjPē C,,P°PeC,PsCḡP°PjPē CḡPēP·PēPeCḡ (C,P°PePēPjPē CḡPe P»C-C,PSC-Pḡ PIC-Pe, PsPrPSPsC±P°CḡPSP° C...C-PjC-PsC,PμCḡP°PīC-Cḡ, PsPrPSPsC±P°CḡPSPēPḡ PīCḡPēPḡPsPj PSPμC,,CḡPsC,PsPeCḡPēC±PSPēC... PīCḡPμPīP°CḡP°C,C-PI, PsPrPSPsC±P°CḡPSP° PrC-CḡCḡPμC,PēC±PSP° C,PμCḡP°PīC-Cḡ, C,CḡPḡPeP° PrPμPīC-PrCḡP°C,P°C†C-Cḡ); P±C-P»CḡCḡC-CḡC,Cḡ C,P°PePēC... PīP°C†C-C”PSC,C-PI PsC,CḡPēPjCḡPIP°P»Pē PīCḡPμPīP°CḡP°C, Cḡ PrPsP·C- 4 PjPī PePsPḡPSC- 3-4 C,PēPḡPSC-, P°P»Pμ Pī PrPμCḡPePēC... PIPēPīP°PrPeP°C... PīPsCḡCḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe CḡPīPsCḡC,PμCḡC-PiP°P»PsCḡCḡ PīC-CḡP»Cḡ PsPrPSPsCḡP°P·PsPIPḡPīPs P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PīCḡPμPīP°CḡP°C,Cḡ.

P—P° PrP°PSPēPjPē PeP»C-PSC-C±PSPēC... PrPsCḡP»C-PrPḡPμPSCḡ PsCḡC,PμPsPīPsCḡPsP·Cḡ, P·PjC-PSPē PeP»C-CḡPμPSCḡCḡ PeCḡPμP°C,PēPSC-PSCḡ (C%Ps PIPēPjC-CḡCḡPIP°PICḡCḡ C%PsCḡC-C±PSPs PrPs PIPμPrPμPSPSCḡ PrPsP·Pē PīCḡPμPīP°CḡP°C,Cḡ), C±P°CḡC,PsC,P° PSPēCḡPePsPIPSC— PSPμPrPsCḡC,P°C,PSPsCḡC,C- C- PīPsCḡCḡCḡPμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe P±CḡP»Pē PīPsCḡC-PIPSCḡPSPSPēPjPē PīCḡPsC,CḡPīPsPj C,CḡCḡPsC... CḡPsPeC-PI PrP»Cḡ PīCḡCḡPīPē P·P°CḡC,PsCḡCḡPIP°PSPSCḡ P·PsP»PμPrCḡPsPSPsPIPSC— PePēCḡP»PsC,Pē C- PīCḡCḡPīPē P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PīP»P°C†PμP±Ps. PḡPīPsCḡC,PμCḡC-PiP°P»PsCḡCḡ C,PēPjC±P°CḡPsPIPμ PīC-PrPIPēC%PμPSPSCḡ CḡC-PIPSCḡ PeCḡPμP°C,PēPSC-PSCḡ Pī CḡPēCḡPsPIP°C,C†C- PeCḡPsPIC- PīCḡPsC,CḡPīPsPj 10 PrPSC-PI Cḡ 1,8 % PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē P·PsP»PμPrCḡPsPSPsPICḡ PePēCḡP»PsC,Cḡ, PīPsCḡC-PIPSCḡPSPs P· 0,8 % PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCḡPIP°P»Pē PīP»P°C†PμP±Ps.

P''C-PiPsPeP°P»CHC†C-C''PjC-CI.

P—P° PrP°PSPëPjPë PeP»C-PSC-C†PSPëC... PrPsC†P»C-PrP¶PµPSCĤ PsC†C,PµPsPīPsCĤPsP·C†, PīCĤPëP±P»PëP·PSPs C† 0,2 % PīP°C†C-C''PSC,C-PI PīC-C†P»CII P·P°C†C,PsC†C†PIP°PSPSCII P·PsP»PµPrCĤPsPSPsPIPsC— PePëC†P»PsC,Pë PIC-PrP·PSP°C†P°P»PsC†CII PīPsPjC-C,PSPµ P·PSPëP¶PµPSPSCII CĤC-PIPSC-PI PeP°P»CHC†C-CĤ C† C†PëCĤPsPIP°C,C†C- PeCĤPsPIC- (PjPµPSCëPµ 1,87 PjPjPsP»CH/P»). P'PëPīP°PrPeC-PI C†PëPjPīC,PsPjP°C,PëC†PSPsC— PiC-PīPsPeP°P»CHC†C-C''PjC-C— PSPµ C†PīPsC†C,PµCĤC-PiP°P»PsC†CII.

PJ C...PsPrC- PrPsC†P»C-PrP¶PµPSCĤ C...PIPSCĤPsP±Pë PµPµPrP¶PµC,P° PIPëPīP°PrPePë C†PëPjPīC,PsPjP°C,PëC†PSPsC— PiC-PīPsPeP°P»CHC†C-C''PjC-C— C†PīPsC†C,PµCĤC-PiP°P»PëC†CII PīCĤPëP±P»PëP·PSPs C† 1 % PīP°C†C-C''PSC,C-PI; C† PIC†C-C... PīP°C†C-C''PSC,C-PI PIPsPSPë PjPëPSP°P»Pë.

P'PëPīP°PrPePë C,PëPjC†P°C†PsPIPsPiPs P°C†PëPjPīC,PsPjP°C,PëC†PSPsPiPs P·PSPëP¶PµPSPSCII CĤC-PIPSC-PI PeP°P»CHC†C-CĤ PSPëP¶C†Pµ PrC-P°PīP°P·PsPSC† PSPSCĤPjPë (PjPµPSCëPµ 2,10 PjPjPsP»CH/P») C†PīPsC†C,PµCĤC-PiP°P»PëC†CII C† 2,3 % PīP°C†C-C''PSC,C-PI, CIIPeC- PsC,CĤPëPjC†PIP°P»Pë P»C-PeC†PIP°PSPSCII P·PsP»PµPrCĤPsPSPsPIPsCĤ PePëC†P»PsC,PsCĤ C† C...PsPrC- PIPµP»PëPePsPiPs PeP»C-PSC-C†PSPsPiPs PrPsC†P»C-PrP¶PµPSPSCII, PīPsCĤC-PIPSCII PSPs P· 21 % PīP°C†C-C''PSC,C-PI, CIIPeC- PsC,CĤPëPjC†PIP°P»Pë P»C-PeC†PIP°PSPSCII P·PsP»PµPrCĤPsPSPsPIPsCĤ PePëC†P»PsC,PsCĤ C† C...PsPrC- PrPsC†P»C-PrP¶PµPSCĤ C...PIPSCĤPsP±Pë PµPµPrP¶PµC,P° P§P°C†C,PsC,P° PIPëPīP°PrPeC-PI PiC-PīPsPeP°P»CHC†C-C''PjC-C— P±C†P»P° P·PSP°C†PSPs PSPëP¶C†PsCĤ PīC-C†P»CII PīPsPrP°P»CHCëPsPiPs PIPIPµPrPµPSPSCII PīCĤPµPīP°CĤP°C,C†.

PJ C...PsPrC- PīCĤPsPIPµPrPµPSPSCII PrPsC†P»C-PrP¶PµPSPSCII PsC†C,PµPsPīPsCĤPsP·C† PI PīPµCĤC-PsPr PīPsC†C,PjPµPSPsPīP°C†P·Pë P· PjPµC,PsCĤ PīCĤPsC,,C-P»P°PeC,PëPePë PeP»C-PSC-C†PSPëC... PīPµCĤPµP»PsPjC-PI PīC-C†P»CII C†C†P°C†C,C- C† PrPsC†P»C-PrP¶PµPSPSC- PīPµCĤPµP»PsPjC-PI C†C,PµPiPSP° C,P° PrPsC†P»C-PrP¶PµPSPSCII C... C...PIPSCĤPsP±Pë PµPµPrP¶PµC,P° PIC†C- PīP°C†C-C''PSC,Pë PsC,CĤPëPjC†PIP°P»Pë PIC-PrPīPsPIC-PrPSC- PrPsP±P°PIPePë PIC-C,P°PjC-PSC† D C- PeP°P»CHC†C-CĤ. PJ PrPsC†P»C-PrP¶PµPSPSC- C°PsPrPs PīCĤPsC,,C-P»P°PeC,PëPePë PeP»C-PSC-C†PSPëC... PīPµCĤPµP»PsPjC-PI PīC-C†P»CII PSPµPrP°PIPSCHPsPiPs PīPµCĤPµP»PsPjC† C†C,PµPiPSP° CĤC-PIPSC- PIC-C,P°PjC-PSC† D P·P°P·PIPëC†P°P№ PSPµ PIPëPjC-CĤCĤPIP°P»PëC†CII, P°P»Pµ P±C-P»CHCëC-C†C,CH PīP°C†C-C''PSC,C-PI PsC,CĤPëPjP°P»P° C†PrP°CĤPSC† PrPsP·C† PIC-C,P°PjC-PSC† D PrPs P·P°C†C,PsC†C†PIP°PSPSCII P·PsP»PµPrCĤPsPSPsPIPsC— PePëC†P»PsC,Pë.

PĥC-C†C†PµPIC- CĤPµP°PeC†C-C—. PJ C...PsPrC- PIPµP»PëPePsPiPs PeP»C-PSC-C†PSPsPiPs PrPsC†P»C-PrP¶PµPSPSCII PīPsPIC-PrPsPjP»CII P»PsC†CII PīCĤPs PjC-C†C†PµPIC- CĤPµP°PeC†C-C— C† PjC-C†C†C- C-PSC,,C†P·C-C— (0,7 %): PīPsC†PµCĤPIPSPSC-PSPSCII, PīCĤPëPīC†C...P»C-C†C,CH C,P°/P°P±Ps P±C-P»CH PīC-C†P»CII PIPIPµPrPµPSPSCII P·PsP»PµPrCĤPsPSPsPIPsC— PePëC†P»PsC,Pë.

PĥC†C,PµPsPSPµPeCĤPsP· C°PµP»PµPīPë. P'PëPīP°PrPePë CĤPsP·PIPëC,PeC† PSPµPeCĤPsP·C† C°PµP»PµPīPë C†PīPsC†C,PµCĤC-PiP°P»PëC†CII PīPµCĤPµPIP°P¶PSPs C† C...PIPSCĤPëC... PSP° CĤP°Pe, CIIPeC- PīCĤPëPīP°PjP°P»Pë PīCĤPµPīP°CĤP°C,Pë, C°Ps C-PSPiC-P±C†CĤC,CH CĤPµP·PsCĤP±C†C-CĤ PeC-C†C,PsPe, PIPeP»CĤC†P°CĤC†Pë P·PsP»PµPrCĤPsPSPsPIC† PePëC†P»PsC,C†.

PJ PIPµP»PëPePsPjC† PeP»C-PSC-C†PSPsPjC† PrPsC†P»C-PrP¶PµPSPSC- P· C†C†P°C†C,CĤ 7 736

ПіР°С†С-С"РSC,С-PI С†ПіРsС†С,РμСґС-ПіР°PIC†Сґ С,С-Р»СґРeРe 1 PIPeПіР°PrPsPe
СґPsP·PIPeC,PeC† PsC†С,РμPsPSPμPeСґPsP·C† C%PμP»PμPіPе C† ПіР°С†С-С"РSC,Р°,
CґPePsPjC† PIPsPrPеP»Pе P·PsP»PμPrСґPsPSPsPIC† PePеC†P»PsC,C†, С- 1 PIPeПіР°PrPsPe C†
ПіР°С†С-С"РSC,Р°, CґPePеPμ P·Р°C†С,PsC†PsPIC†PIР°PI ПіP»Р°С†PμP±Ps.
PμPsPIC-PrPsPjP»PμPSPSCґ ПіСґPs PIPeПіР°PrPePе PsC†С,РμPsPSPμPeСґPsP·C†
C%PμP»PμPіPе PSP°PrC-PMeCєP»Pе C† ПіPsC†С,PjP°СґPePμC,PePSPiPsPIPsPjC†
PіPμСґС-PsPrC- P·Р°C†С,PsC†C†PIР°PSPSCґ P·PsP»PμPrСґPsPSPsPIPsC— PePеC†P»PsC,Pе.

РμPsPIC-PrPsPjP»PμPSPSCґ ПіСґPsB ПіPsP±C-С±PSC- СґPμP°PeC†С-С—

РμPsPIC-PrPsPjP»PμPSPSCґ ПіСґPs ПіPsP±C-С±PSC- СґPμP°PeC†С-С— ПіC-С†P»Cґ
СґPμC"С†С,СґP°С†С-С— P»C-PeP°СґC†СґPePsPiPs P·Р°C†PsP±C† PjP°С" PIP°P¶P»PеPIРμ
P·PSP°С±PμPSPSCґ. PіPμ PrP°С" P·PjPsPiC† ПіСґPsPIPsPrPеC,Pе PjPsPSC-С,PsСґPеPSPi
C†PіC-PIPIC-PrPSPsCєPμPSPSCґ PePsСґPеC†С,Сґ/СґPеP·PеPe ПіСґPе
P·Р°C†С,PsC†C†PIР°PSPSC- C†СґPsPiPs P»C-PeP°СґC†СґPePsPiPs P·Р°C†PsP±C†.
PμPμPrPеC±PSPеPj C,Р° C,,P°СґPjP°С†PμPIC,PeC±PSPеPj ПіСґP°С†С-PIPSPеPeP°Pj, P°
C,Р°PePsP¶ ПіР°С†С-С"РSC,Р°Pj P°P±Ps C—C... P·Р°PePsPSPSPеPj ПіСґPμPrC†С,Р°PIPSPеPeP°Pj
C†P»C-Pr ПіPsPIC-PrPsPjP»CґC,Pе ПіСґPs C†C†С- PIPeПіР°PrPePе ПіC-PrPsP·СґСґPIР°PSPеC...
ПіPsP±C-С±PSPеC... СґPμP°PeC†С-PMe C,Р° PIC-PrC†C†С,PSPsC†С,С-
PμC,,PμPeC,PePIPSPsC†С,С- P»C-PeP°СґC†СґPePsPiPs P·Р°C†PsP±C† C±PμСґPμP·
PґPIC,PsPjP°С,PеP·PsPIР°PSC† C-PSC,,PsСґPjP°С†С-PMePSC† C†PеC†С,PμPjC† P·
C,,P°СґPjP°PePsPSP°PiP»CґPrC† P·Р° ПіPsC†PеP»P°PSPSCґPj: <https://aisf.dec.gov.ua>.

РґPμСґPjC-PS ПіСґPеPrP°C,PSPsC†С,С-. 2 СґPsPePе.

PJPjPsPIPе P·P±PμСґС-ПіР°PSPSCґ.

P—P±PμСґС-ПіР°C,Pе PI PsСґPеPiC-PSP°P»СґPSC-PMe C†ПіР°PePsPIC†С- ПіСґPе
C,PμPjPіPμСґP°C,C†СґС- PSPμ PIPeC%Pμ 25 B°Pґ.

P—P±PμСґС-ПіР°C,Pе PI PSPμPrPsC†С,C†ПіPSPsPjC† PrP»Cґ PrC-С,PμPMe PjC-С†С†С-.

РќPμC†СґPjC-С†PSC-С†С,Сґ. P PsP·C±PеPS PrP»Cґ C-PSC,,C†P·C-PMe P—PsP»PμC†Pj PSPμ
PjPsP¶PSP° P·PjC-CєC†PIР°C,Pе P· СґPsP·C±PеPSP°PjPе, CґPeC- PjC-С†С,CґC,Сґ
PeP°P»СґC†С-PMe. P—PsP»PμC†Pj PSPμ С†P»C-Pr P·PjC-CєC†PIР°C,Pе P°P±Ps PIPsPrPеC,Pе
PIPSC†С,СґС-CєPSCґPsPIРμPSPSPs P· C-PSCєPеPjPе P»C-PeP°СґC†СґPePеPjPе
P·Р°C†PsP±P°PjPе.

PJPіР°PePsPIPeP°. PμPs 100 PjP» ПіСґPμPіР°СґP°C,C†B PI PePsPSC,PμPMePSPμСґP°C.... PμPs 1
PePsPSC,PμPMePSPμСґC† PI ПіP»C-PIC†С- PI PePsСґPsP±C†С-.

РљР°C,РµРiРsСҖC-СҖ РiC-РrРiCfCfРeCf. Р—Р° СҖРµC†РµРiC,РsРj.

Р'РёСҖРsР±PSPёРe. Р„РiCҖРsР»Р°РNёC„ РГРµР»C,РeРµРµР°CҖ РұРiC,. Р>C,Рr.

РҖC-СfC†РµР•PSP°C...РsРrР¶РµPSPSCҖ РiРёСҖРsР±PSPёРeР° C,Р° Р°РrСҖРµРµCfР° РjC-СfC†CҖ РiСҖРsРiР°РrР¶РµPSPSCҖ РNёРsРiРs РrC-СҖР»СҖРSPsCfC,C-.

РГР°CёCҖР° B,- 520, Р'C...Р°РiРiР°PSPiCfCҖ, Р CfCҖРeC-, РГР°CҖC-РrРiР°CҖ, РjC,C,Р°CҖР°РeC...Р°PSPr, Р†PSPrC-СҖ.

Р—Р°CҖРiРSPёРe. РҖPSP°PSC,Р° РҖРµРµРrC-РeРµРµР°CҖ Р>C,Рr.

РҖC-СfC†РµР•PSP°C...РsРrР¶РµPSPSCҖ Р•Р°CҖРiРSPёРeР°.

РҮСҖСҖC, 1, 2 РҮC,РµРNёCёPS РљРsCҖC,, Р†РjРiРµCҖC-Р°Р» Р'Р°CҖC,,, РҮР°CfPSPjРµРr Р РsР°Рr, Р»CfР»C...Р°Рj, Р>РsPSPrРsPS, Р'РµР»»РёРeР° Р'CҖРёC,Р°PSC-СҖ.