

$P^{\circ}C-P \gg CH_3PSC-CH_3P^{\circ}PrP\ddot{e}PeP^{\circ}P \gg \ddot{P}e, C, P^{\circ}PeC-ClPe\ PiC-PrC_7H_5PsPeCl^{\circ}P\ddot{e}P \gg CH_3PSC-CH_3P^{\circ}PrP\ddot{e}PeP^{\circ}P \gg \ddot{P}e(OH), C''PsPrPSP\ddot{e}Pj\ddot{P}e\ P\cdot PsCl^{\circ}PSPsPIPSP\ddot{e}C... C,,P^{\circ}PeC,PsC_7H_5C-PI$
 $Cl^{\circ}CfPrP\ddot{e}PSPSP\ddot{e}C... PiPsC_7CrC\ddot{e}P_{\mu}PSC\ddot{H}\ Cr\ PiPsP \gg PsPIPSPsPjCf\ PjPsP\cdot PeCf,$
 $PiPsPiB_7^{\text{TM}}ClP\cdot P^{\circ}PSP\ddot{e}C... P\cdot C-C\ddot{e}P_{\mu}PjC-C''CH; PiC_7H_5\ddot{P}e\ C-C\ddot{e}P_{\mu}PjC-C- P^{\circ}P \pm Ps$
 $PeC_7H_5PsPIPsPIP\ddot{e}P \gg \ddot{P}ePIC- Cf\ PjPsPjP_{\mu}PSC, PIC-PrPSPsPIP \gg P_{\mu}PSPSC\ddot{C}\ PiC_7H_5PsC...C-PrPSPsCl^{\circ}C,C-$
 $C\ddot{P}_{\mu}C_7H_5P_{\mu}P\cdot P^{\circ}PSPsPjP^{\circ}P \gg CH_3PSP_{\mu}\ P\cdot P \pm C-P \gg CH_3C\ddot{e}P_{\mu}PSPSC\ddot{C}\ PiC_7H_5PsPrCfPeCfPIP^{\circ}PSPSC\ddot{C}\$
 $P^{\circ}C_7H_5P^{\circ}C...C-PrPsPSPsPIPsC- Pe\ddot{P}eCl^{\circ}P \gg PsC,\ddot{P}e\ P\cdot P \pm C-P \gg CH_3C\ddot{e}CfC''C,CH_3Cl^{\circ}C\ddot{C}\$
 $PeC-P \gg CH_3PeC-Cl^{\circ}C,CH_3PIP\ddot{e}C_7H_5PsP \pm P \gg P_{\mu}PSP\ddot{e}C... PIC-P \gg CH_3PSP\ddot{e}C... C_7H_5P^{\circ}PrP\ddot{e}PeP^{\circ}P \gg C-PI. P|C-$
 $PIC-P \gg CH_3PSC-CH_3P^{\circ}PrP\ddot{e}PeP^{\circ}P \gg \ddot{P}e\ Cl^{\circ}PiC_7H_5\ddot{P}eC\ddot{P}ePSC\ddot{C}CH_3,CH_3PiP_{\mu}C_7H_5P_{\mu}Pe\ddot{P}eCl^{\circ}PSP_{\mu}$
 $PsPe\ddot{P}eCl^{\circ}P \gg P_{\mu}PSPSC\ddot{C}\ PSP_{\mu}PSP^{\circ}Cl^{\circ}P\ddot{e}C\ddot{P}uPSP\ddot{e}C... P\ddot{P}eC_7H_5PSP\ddot{e}C... Pe\ddot{P}eCl^{\circ}P \gg PsC,, ClPeC-$

PIC...PsPrCЦC,CH PrPs CГPeP»P°PrCр P»C-PiC-PrC-PI PeP»C-C,PëPSPSPëC... PjPµPjP±CГP°PS, PïPsCëPePsPrP¶CрCГC±Pë C—C..., C%Ps PiCГPëP·PIPsPrPëC,CH PrPs PiPsCГCрCëPµPSPSCЦ C,,CрPSPëC†C-C— PiPsP»PsPIPSPiPs PjPsP·PeCр.

PкP° PiPsCГC,ГC-C-PNë CГC,P°PrC-C— C-CëPµPjC-C±PSPsPiPs C-PSC,,P°CГPeC,Cр PjPsP·PeCр P»C-PeP°CГCГCГPëPëPNë P·P°CГC-P± PrPµPjPsPSCГC,ГCрC” P·P°C...PëCГPSCр PrC-CГ, PiCГPëPiPSC-C±CрCГC±Pë PIPëPSPëPePSPµPSPSCЦ C,P° CГPsP·PIPëC,PsPe C-CëPµPjC-C±PSPëC... C†PµCГPµP±CГPsPIP°CГPeCрP»CЦCГPSPëC... CГPsP·P»P°PrC-PI, C,P°PePëC... CЦPe PSP°P±CГCЦPe PiPsP»PsPIPSPiPs PjPsP·PeCр, PSPµPICГPsP»PsPiC-C±PSC-CГPëPjPiC,PsPjPë, PiPsPIC-P»CHPSP° P·P°PiPëP±PµP»CH PSPµPNëCГPsPSC-PI.

P·C,C-PsP»PsPiC-CЦ PïPsC±P°C,PeCр C- CГPsP·PIPëC,PeCр P±C-C±PSPsPiPs P°PjC-PsC,ГPsC,,C-C±PSPsPiPs CГPeP»PµCГPsP·Cр (P’PҺPŸ) PSP° C,PµPïPµCГC-CëPSC-PNë C±P°CГ PsCГC,P°C,PsC±PSPs PSPµ PIPëP·PSP°C±PµPSC-. PµCГPsC,Pµ P±CрP»Ps PIPëCГP»PsPIP»PµPSPs PiCГPëPiCрC%PµPSPSCЦ, C%Ps PsPeCГPëPrP°C,PëPIPSPëPNë CГC,ГPµCГ, CГPiCГPëC±PëPSPµPSPëPNë PIC-P»CHPSPëPjPë CГP°PrPëPeP°P»P°PjPë, PjPsP¶Pµ P±CрC,Pë PµC,C-PsP»PsPiC-C±PSPëPj C,,P°PeC,PsCГPsPj PrP»CЦ PrP°PSPSC— PiP°C,PsP»PsPiC-C—. P·PrP°CГP°PIPsPS, P·P°PIPrCЦPePë CГPIPsC”PjCр PiCГPëPiPSC-C±CрPIP°P»CHPSPsPjCр PIPiP»PëPIPsPIC- PSP° PiPµCГPµPePëCГPSPµ PsPePëCГP»PµPSPSCЦ P»C-PiC-PrC-PI CëP»CЦC...PsPj P·PiБГ™ CЦP·CрPIP°PSPSCЦ PIC-P»CHPSPëC... CГP°PrPëPeP°P»C-PI, PrPµPjPsPSCГC,ГCрC” PiP°P»CHPjCрPIP°PSPSCЦ CГPsP·PIPëC,PeCр P·P°C...PIPsCГCГPIP°PSPSCЦ, P·PjPµPSCëCрCГC±Pë PsPePëCГPSPµ PïPsCëPePsPrP¶PµPSPSCЦ PeP»C-C,PëPS PjPsP·PeCр (CГCрPrPëPSPSC- PµPSPPrPsC,PµP»C-P°P»CHPSC- PeP»C-C,PëPSPë / PSPµCГPIPsPIC- PeP»C-C,PëPSPë).

PŸP°PePsP¶ PSPµC%PsPrP°PIPSPs P±CрP»Ps PIPëP·PSP°C±PµPSPs, C%Ps PsPeCГPëPrP°C,PëPIPSPëPNë CГC,ГPµCГ C” PeP»CГC±PsPIPëPj C,,P°PeC,PsCГPsPj Cр PiP°C,PsPiPµPSPµP·C- PePsCГPsPSP°PIC-CГCрCГPSPSC— C...PIPsCГPsP±Pë (COVID-19).

P’P»PëP·CHPePs 5 % PiP°C†C-C”PSC,C-PI P· PePsCГPsPSP°PIC-CГCрCГPSPsCГ C...PIPsCГPsP±PsCГ PjP°CГC,CH C,CЦP¶PeC- PïPsCëPePsPrP¶PµPSPSCЦ P»PµPiPµPSCГ C,P°/P°P±Ps PïPsP»C-PsCГPiP°PSPSCр PrPëCГC,,CрPSPëC†C-CГ. P—PiC-PrPSPs P· PrP°PSPëPjPë PrPsCГP»C-PrP¶PµPSCГ PSP° C,PIP°CГPëPSP°C..., PµPrP°CГP°PIPsPS PïPsCГP»P°P±P»CГC” C-PSPPrCрPePsPIP°PSPëPNë P»C-PiPsPiPsP»C-CГP°C...P°CГPëPrPsPj, PµPeCГC,ГP°PiPsPIP°PSPëPj C-P· PjPµPjP±CГP°PSPë *Escherichia coli* 0111:B4, PiPsCГC,ГPëPNë CГPµCГPiC-CГP°C,PsCГPSPëPNë PrPëCГC,ГPµCГ-CГPëPSPPrCГPsPj, P°CГPsC†C-PNëPsPIP°PSPëPNë P· CГP°PSPSC-Pj P»PµPiPµPSPµPIPëPj C,,C-P±CГPsP·PsPj, CëP»CЦC...PsPj P·PjPµPSCëPµPSPSCЦ PsPeCГPëPrP°C,PëPIPSPiPs CГC,ГPµCГCр C,P° C,ГP°PSCГC,,PsCГPjP°C†C-C— CГPëPiPSP°P»Cр PiCГPs C,,P°PeC,PsCГ CГPsCГC,Cр β1 / Smad3.

PлCГC-Pj C,PsPiPs, Cр PIP°P¶PePsC...PIPsCГPëC... PiP°C†C-C”PSC,C-PI P· COVID-19 C±P°CГC,Ps CГPsP·PIPëPIP°CГC,CHCГCЦ C,PëPiPsPIC- PeP»C-PSC-C±PSC- PiCГPsCЦPIPë CëPsPeCр, PjPµC,P°P±PsP»C-C±PSPëPNë P°C†PëPrPsP· C,P° CГPiPsCГC,PµCГC-PiP°CГC,CHCГCЦ P°PSPsPjP°P»CHPSC- PiP°CГP°PjPµC,ГPë P·PiPsCГC,P°PSPSCЦ PeCГPsPIC-, C%Ps CГPIC-PrC±PëC,CH PiCГPs PrPëCГC,,CрPSPëC†C-CГ PjC-PeCГPsC†PëCГPeCрP»CЦC†C-C—.

PŸPëCГC,PµPjPSP° P·P°PiP°P»CHPSP° CГPµP°PeC†C-CЦ, C%Ps PIPëPSPëPeP°C” PiCГPë P±P°PeC,PµCГC-P°P»CHPSPëC... C,P° PIC-CГCрCГPSPëC... C-PSC,,PµPeC†C-CЦC..., C,ГP°PIPjP°C... (PsCГPsP±P»PëPIPs PiCГPë PiPsP»C-C,ГP°PIPjC-),

PjP°CÍPëPIPSPëC... C...C-CĤCÍCĤPiC-CĤPSPëC... PIC,CĤCÍCĤP°PSPSCÍC...,
C-CĖPµPjC-C— C- CĤPµPíPµCĤC,,CÍP·C-C— P±CÍPrCH-CÍPePsPiPs PsCĤPiP°PSP° C,P°
P·P»PsCÍPeC-CÍPSPëC... PSPsPIPsCÍC,PIPsCĤPµPSPSCÍC..., C" C,P°PePsP¶
PiPsP»PsPIPSPëPj C,,P°PeC,PsCĤPsPj CĤPsP·PIPëC,PeCÍ PePsP°PiCÍP»PsPíP°C,C-C—,
P°CÍPsC†C-PNëPsPIP°PSPsC— P· COVID-19, C%Ps PiC-PrC,CĤPëPjCÍC" PePsPSC†PµPíC†C-CĤ
C,CĤPsPjP±PsP·P°PíP°P»PµPSPSCÍ. PµPsCĤPsPSP°PIC-CĤCÍCÍPSP° C...PIPsCĤPsP±P°
PíPsPIBĤ™ CÍP·P°PSP° P· PiCĤPsP±P»PµPjP°PjPë C- C,CĤPsPjP±PsP·P°PíP°P»PµPSPSCÍ, C-
P°PIC,PsC-PjCÍPSC-C,PµC,CÍ. PkPëPSC- C,CÍP¶PeP° C,,PsCĤPjP° COVID-19
CĤPsP·PiP»CÍPrP°C"C,CHCÍCÍ CÍPe CÍPëCÍC,PµPjPSPëPNë
C,CĤPsPjP±PsP·P°PíP°P»CHPSPëPNë CÍPëPSPrCĤPsPj, C%Ps PiCĤPsCÍPIP»CÍC"C,CHCÍCÍ
CĤPsP·PIPëC,PePsPj PjC-PeCĤPs- C,P° PjP°PeCĤPsCÍCÍPrPëPSPSPëC... C,CĤPsPjP±PsP·C-PI
PIPµPSPsP·PSPsPiPs C,P° P°CĤC,PµCĤC-P°P»CHPSPsPiPs CĤCÍCÍP»P°.

P™ PjPsPIC-CĤPSPs, C-CÍPSCÍCĤC,CH CÍPíC-P»CHPSC- PíP°C,PsPiPµPSPµC,PëC†PSC-
PjPµC...P°PSC-P·PjPë PePsP°PiCÍP»PsPíP°C,C-C— PíCĤPë COVID-19 C-
C-PjCÍPSPsP·P°PíP°P»CHPSPëC... CĤPµPIPjP°C,PëC†PSPëC... P·P°C...PIPsCĤCĤPIP°PSPSCÍC...,
PíPsPIBĤ™ CÍP·P°PSPëC... C-P· PrPëCÍCĤPµPiCÍP»CÍC†C-C"CĤ CÍPëPSC,PµP·CÍ
PíCĤPsP·P°PíP°P»CHPSPëC... C†PëC,PsPeC-PSC-PI, P°PeC,PëPIP°C†C-C"CĤ CÍPëCÍC,PµPj
PePsPjPíP»PµPjPµPSC,P°, PiC-PíPµCĤPíCĤPsPrCÍPeCÍPIP°PSPSCÍPj
P°PSC,PëC,,PsCÍC,,PsP»C-PíC-PrPSPëC... P°PSC,PëC,C-P» C,P° C-PS.

PµP»C-PSC-C†PSP° PµC,,PµPeC,PëPIPSC-CÍC,CH C,P° P±PµP·PíPµPeP°

PµP»C-PSC-C†PSPµ PrPsCÍP»C-PrP¶PµPSPSCÍ PµCÍP°PICĤPsPSCÍ, PjPµC,PsCĤ CÍPePsPiPs
P±CÍP»Ps PIPëP·PSP°C†PµPSPSCÍ PµC,,PµPeC,PëPIPSPsCÍC,C- C,P° P±PµP·PíPµPePë PíCĤPë
PePsPjPíP»PµPeCÍPSPsPjCÍ P»C-PeCÍPIP°PSPSCÍ CÍC,P°PSCÍ, CÍPePëPNë PIPëPSPëPeP°C"
PIPSP°CÍP»C-PrPsPe CÍPëCÍC,PµPjPSPsC— P·P°PíP°P»CHPSPsC— PIC-PrPíPsPIC-PrC- PíCĤPë
C-PSC,,PµPeC†C-PNëPSPëC... P·P°C...PIPsCĤCĤPIP°PSPSCÍC..., PIPeP»CĤC†PSPs P·
PePsCĤPsPSP°PIC-CĤCÍCÍPSPsCĤ C...PIPsCĤPsP±PsCĤ (COVID-19), P±CÍP»Ps
PíCĤPsPIPµPrPµPSPs CÍ 5 PIC-PrPíPsPIC-PrPSPs PePIP°P»C-C,,C-PePsPIP°PSPëC...
C†PµPSC,CĤP°C... PjPeCĤP°C—PSPë. 150 PíP°C†C-C"PSC,C-PI P±CÍP»Pë
CĤP°PSPrPsPjC-P·PsPIP°PSC- CÍ CÍPíC-PIPIC-PrPSPsCĖPµPSPSC- 1:1 CÍ PiCĤCÍPíCÍ
P±P°P·PsPIPsC— C,PµCĤP°PíC-C— P· PrPsPrP°PIP°PSPSCÍPj P»C-PeP°CĤCÍCHPePsPiPs
P·P°CÍPsP±CÍ PµCÍP°PICĤPsPS P°P±Ps CÍ PiCĤCÍPíCÍ P±P°P·PsPIPsC— C,PµCĤP°PíC-C— P·
PrPsPrP°PIP°PSPSCÍPj PíP»P°C†PµP±Ps.

PµCÍP°PICĤPsPS PIPiPsPrPëP»Pë PrPIC-C†C- PSP° PrPsP±CÍ CĖP»CÍC...PsPj
PIPSCÍC,CĤC-CĖPSCĤPsPIPµPSPSPsC— C-PSC,,CÍP·C-C— PIPíCĤPsPrPsPIP¶ 30 C...PIPëP»PëPS.
P—P°PíP°P»CHPSP° C,CĤPëPIP°P»C-CÍC,CH P»C-PeCÍPIP°PSPSCÍ CÍC,P°PSPsPIPëP»P° PSPµ
P±C-P»CHCĖPµ 14 PrC-P±. PíPe PiPsP»PsPIPSCÍ P·PjC-PSPSCÍ PsC†C-PSPePë
PµC,,PµPeC,PëPIPSPsCÍC,C- P±CÍP»Ps PIP·CÍC,Ps C†P°CÍ PrPs CÍPeP°CÍCÍPIP°PSPSCÍ
PePëCÍPSPµPIPsC— C,PµCĤP°PíC-C— PíCĤPë C,PµCĤPjC-PSC- CÍPíPsCÍC,PµCĤPµP¶PµPSPSCÍ
PIC-Pr 0 PrPs 28 PrPSCÍ. P' CÍP»Ps PIPëCÍPIP»PµPSPs CÍC,P°C,PëCÍC,PëC†PSPs
P·PSP°C†CÍC%— PIC-PrPjC-PSPSPsCÍC,C- PjC-P¶ PíCĤCÍPíPsCĤ P·P°CÍC,PsCÍCÍPIP°PSPSCÍ
PµCÍP°PICĤPsPSCÍ C- PíCĤCÍPíPsCĤ PíP»P°C†PµP±Ps PSP° PePsCĤPëCÍC,CH PíCĤCÍPíPë
PµCÍP°PICĤPsPSCÍ PíCĤPë PíPsCĤC-PIPSCÍPSPSC- P·P° PiPsP»PsPIPSPsCĤ P·PjC-PSPSPsCĤ
B«C†P°CÍ PrPs CÍPeP°CÍCÍPIP°PSPSCÍ PePëCÍPSPµPIPsC— C,PµCĤP°PíC-C— CÍ
PiPsPrPëPSP°C... (CĤ = 0,016, PsPrPSPsCÍC,PsCĤPsPSPSC-PNë) C,P° PrPSCÍC... (CĤ = 0,021,
PsPrPSPsCÍC,PsCĤPsPSPSC-PNë)B». PĤPePsCĤPëPiPsPIP°PSPµ PsPrPSPsCÍC,PsCĤPsPSPSC" CĤ-
P·PSP°C†PµPSPSCÍ P· CÍCĤP°C...CÍPIP°PSPSCÍPj CÍPe PePsPIP°CĤC-P°C,Pë C-PSPrPµPeCÍCÍ
PjP°CÍPë C,C-P»P° (P†PµPĤ) CÍC,P°PSPsPIPëP»Ps 0,008 (PsPrPSPsCÍC,PsCĤPsPSPSC") C,P°

0,011 (PsPrPSPsCfC,PsCfPSPSPSC") PIC-PrPiPsPIC-PrPSPs. PhC,CfPpP°PSC-
CfPμP·CfP»CHC,P°C,Pë CfPIC-PrC±P°C,CH PiCfPs PiPμCfPμPIP°P¶PSCf
PμC,,PμPeC,PëPIPSC-CfC,CH C,PμCfP°PiC-C— PI PiCfCfPiC- P¶CfP°PICfPsPSCf
PiPsCfC-PIPSCfPSPs P· PiCfCfPiPsCf PiP»P°C±PμP±Ps.

P' PiCfPsC±PμCfC- PrPsCfP»C-PrP¶PμPSPSCf PSpμ P±CfP»Ps
P·P°CfPμC" CfC,CfPsPIP°PSPsPiPs P¶PsPrPSPsPiPs CfPμCfPN°PsP·PSPsPiPs
PiPsP±C-C±PSPsPiPs CfPIPëC%P°. P'C-P»CHCfC-CfC,CH P·P°CfPμC" CfC,CfPsPIP°PSPëC...
PiPsP±C-C±PSPëC... CfPIPëC% P±CfP»Pë P»PμPiPePsPiPs C,P° CfPμCfPμPrPSCfPsPiPs
CfC,CfPiPμPSC-PI C,CfP¶PePsCfC,C- CfPe Cf PiCfCfPiC- PiP»P°C±PμP±Ps, C,P°Pe C- Cf
PiCfCfPiC- P¶CfP°PICfPsPSCf. PkPμ P±CfP»Ps PIPëCfPIP»PμPSPs PSpμPiP°C,PëPIPSPsPiPs
PIP»PëPICf PSP° P¶PëC,C,C"PIPs PIP°P¶P»PëPIC- PiPsPeP°P·PSPëPePë PI PsP±PsC...
PiCfCfPiP°C....

PαP°CfPjP°PePsPeC-PSPμC,PëPeP°.

PαP°CfPjP°PePsPeC-PSPμC,PëPeCf P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf
PrPsCfP»C-PrP¶CfPIP°P»Pë PSP° PiBf™ CfC,Pë P·PrPsCfPsPIPëC... C±PsP»PsPIC-PeP°C...-
PrPsP±CfPsPIPsP»CHC±CfC... C,P° PiBf™ CfC,Pë P·PrPsCfPsPIPëC... C±PsP»PsPIC-PeP°C...-
PrPsP±CfPsPIPsP»CHC±CfC... P»C-C,PSCfPsPiPs PIC-PeCf C±PμCfPμP· 30 C...PIPëP»PëPS
PiC-CfP»Cf P±P°PiP°C,PsPeCfP°C,PSPsPiPs PIPSCfC,CfC-CfPSCfPsPIPμPSPSPsPiPs
PIPIPμPrPμPSPSCf PrPsP·Pë PiCfPμPiP°CfP°C,Cf (0,5 PjPi/PePi) PrPIC-C±C- PSP° PrPsP±Cf
PIPiCfPsPrPsPIP¶ 2 PrPSC-PI. P¶PsPSC±PμPSC,CfP°C±C-Cf PSpμP·PjC-PSPμPSPsPiPs
PiCfPμPiP°CfP°C,Cf Cf PiP»P°P·PjC- PeCfPsPIC- PI PsP±PsC... PiCfCfPiP°C...
P·PSPëP¶CfPIP°P»P°CfCH PsPrPSP°PePsPIPs P±PμP· CfP»C-PrC-PI PSP°PePsPiPëC±PμPSPSCf.

PαP°CfPjP°PePsPeC-PSPμC,PëC±PSC- PiP°CfP°PjPμC,CfPë	P—PrPsCfPsPIC- C±PsP»PsPIC-PePë- PrPsP±CfPsPIPsP»CHC±C- (n = 5)	P—PrPsCfPsPIC- C±PsP»PsPIC-PePë- PrPsP±CfPsPIPsP»CHC±C- P»C-C,PSCfPsPiPs PIC-PeCf (n = 5)
$\bar{P}Y_{\max} (PSPi/PjP»)$	888 B± 171	1041 B± 106
$t_{\frac{1}{2}\alpha} (Pi)$	0,27 B± 0,11	0,17 B± 0,03
$t_{\frac{1}{2}\beta} (Pi)$	2,27 B± 0,80	1,84 B± 0,17

P C-PIPμPSCf P·PiBf™ CfP·CfPIP°PSPSCf PμPrP°CfP°PIPsPSCf P· P±C-P»PeP°PjPë
CfPëCfPsPIP°C,PePë PeCfPsPIC- C,P° CfPëCfPsPIP°C,PePsPIPëPj P°P»CHP±CfPjC-PSPsPj
CfC,P°PSPsPIPëC,CH 92 % C,P° 89Bf"91 % PIC-PrPiPsPIC-PrPSPs (in vitro).

Pj PiP»P°P·PjC- PeCfPsPIC- PiPsP»PsPIPSPëPjPë PjPμC,P°P±PsP»C-C,P°PjPë
PμPrP°CfP°PIPsPSCf C" CfCfP»CHC,,P°C,PSC- PePsPSBf™ CfPiP°C,Pë, C,P°PePsP¶ P±CfP»Pë
PIPëCfPIP»PμPSC- PePsPSBf™ CfPiP°C,Pë P· PiP»CfPeCfCfPsPSPsPIPsCf PePëCfP»PsC,PsCf.
Pj CfPμC±C- P·PrPμP±C-P»CHCfPsPiPs P±CfP»Pë PIPëCfPIP»PμPSC-
PiP»CfPeCfCfPsPSC-PrPë C- Cf PjPμPSCfC-PN° PeC-P»CHPePsCfC,C- Bf" CfCfP»CHC,,P°C,Pë.

PSpμCfPμP· 12 PiPsPrPëPS PiC-CfP»Cf PIPμPrPμPSPSCf 0,7Bf"0,9 %
P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf PIPëPIPsPrPëC,CHCfCf P· CfPμC±PμCf Cf
PSPμP·PjC-PSPμPSPsPjCf PIPëPiP»CfPrC-, P° 71,0Bf"79,9 % Bf" Cf PIPëPiP»CfPrC-
PjPμC,P°P±PsP»C-C,C-PI.

$P \rightarrow C - PeP^{\circ}C\bar{H}C\bar{I}CHbPeP\bar{e}Pn_{\bar{e}} \quad P \cdot P^{\circ}C\bar{I}^{\circ}C - P \pm \quad PSP_{\mu} \quad C\bar{I}^{\circ}P \gg C - Pr \quad P \cdot PjC - C\bar{e}C\bar{r}PIP^{\circ}C, P\bar{e} \quad C\bar{I}^{\circ}$
 $C\bar{H}PsP \cdot C \pm P\bar{e}PSP^{\circ}PjP\bar{e} \quad PrP \gg C\bar{I} \quad P\bar{i}P^{\circ}C\bar{H}P_{\mu}PSC, P_{\mu}C\bar{H}P^{\circ}P \gg CHbPSPsPiPs \quad C \dots P^{\circ}C\bar{H}C \pm C\bar{r}PIP^{\circ}PSPSC\bar{I}$
 $C, P^{\circ}/P^{\circ}P \pm Ps \quad C\bar{H}PsP \cdot C \pm P\bar{e}PSP^{\circ}PjP\bar{e}, \quad C\%_{\bar{o}}Ps \quad PjC - C\bar{I}^{\circ}C, C\bar{I}C, CHb \quad P^{\circ}PjC - PSPsPeP\bar{e}C\bar{I}^{\circ}P \gg PsC, P\bar{e}, \quad P^{\circ}$
 $C, P^{\circ}PePsP \parallel \quad PIPiPsPrP\bar{e}C, P\bar{e} \quad C \pm PuC\bar{H}P_{\mu}P \cdot \quad C, C - \quad C\bar{I}^{\circ}P^{\circ}PjC - \quad C - PSC, C\bar{r}P \cdot C - Pn_{\bar{e}}PSC - \quad C\bar{I}^{\circ}P\bar{e}C\bar{I}^{\circ}C, P_{\mu}PjP\bar{e}.$

РљСГР°РІСГПсPS PSPμ Р·РјС-С€СГРІРІ°С,Рө Р· РіСГПсС,РөСГГСГРРсРјPSPөРјРө
РіСГРμРіР°СГР°С,Р°РјРө, РІРөР»СГСГР°СГСГРө РгС-Р°Р·РμРіР°Рј, С,,РμPSC-С,PsC—PS
PSP°С,СГС-Р№ С,Р° С-PS., СГРμСГРμР· РјPsP¶Р»РөРІС-СГГ,СГ СгС,РІPsСГРμPSPSCІ
РөР°Р»Р°РјСгС,С-. РђР°РөPsP¶ PSPμ Р·РјС-С€СГРІРІ°С,Рө Р· РөР°Р»С-СГ
РөР°PSCГРμPSPsР°С,PsPј.

РћСГРсP±P»РөРІPsСГГ,С- Р·Р°СГГ,PsСГГзРІР°PSPSCІ.

Р—Р°СГГ,PsСГГСГРІР°PSPSCІ Р»С-РөР°СГГСГСГРөPsРіPs Р·Р°СГРсP±СГ РљСГР°РІСГПсPS
СГР»С-Рг Р·РгС-Р№СГРSCГРІР°С,Рө РіС-Рг СГРμС,РμР»СГPSPөРј РөPsPSC,СГPsР»РμРј
Р»С-РөР°СГС-РІ, СІРөС- РјР°СГ,СГ РгPsСГРІС-Рг Р·Р°СГГ,PsСГГСГРІР°PSPSCІ РгР°PSPsРіPs
РіСГРμРіР°СГР°С,СГ.

РμС-Рг СР°СГГ С,РμСГР°РіС-С— РјPsP¶СгС,СГ СГРіPsСГГ,РμСГС-РіР°С,РөСГГІ
РіPsРіС-СГС€РμPSPSCІ РіPsСГГ,СГPsС— PSPөСГРөPsРІPsС— PSPμРгPsСГГ,Р°С,PSPsСГГ,С-
Р°Р±Ps РіPsСГГС€РμPSPSCІ С,,СГPSPөСГС-С— PSPөСГPsРө, С,СІР¶Р¶РөР° РіРμСГС-PSРөPsРІР°
РгРөСГГ,,СГPSPөСГС-СІ С,Р°/Р°Р±Ps РгРөСГРμРјС-PSРсРІР°PSPμ
РІPSCгС,СГС-С€PSCГсСГРРөPSPSPμ Р·РіPsСГС,Р°PSPSCІ РөСГPsРІС- (Р'Р'Р—), СІРөС-
РјPsP¶СгС,СГ РјР°С,Рө Р»РμС,Р°Р»СГPSC- PSP°СГР»С-РгРөРө.

Р'РөРіР°РгРөС-РІ РіСГРөР·PSP°СГРμPSPSCІ РгР°PSPsРіPs Р»С-РөР°СГГСГСГРөPsРіPs
Р·Р°СГРсP±СГ РіР°СГС-С"PSC,Р°Рј Р· РІР°Р¶РөPsСГ С,,PsСГРјPsСГ Р'РђРђ РІРөС%Рμ
4 СГГ,СГРіРμPSCІ С- РіР°СГС-С"PSC,Р°Рј, СГ СІРөРөС... РіPsРөР°Р·PSPөРө
С,,PsСГГРсРІР°PSPsС— Р¶РөС,С,С"РІPsС— С"РјPSPsСГГ,С- Р»РμРіРμPSCГ РјPμPSC€Рμ 70 %
РІС-Рг С,РμPsСГРμС,РөСГPSPs PSPсГРјР°Р»СГP»СГPSPsРіPs, PSPμР±Р°РіР°С,Ps, С,PsРјСГ
Р№PsРіPs РμС,,РμРөС,РөРІPSC-СГГ,СГ С- Р±РμР·РіРμРөР° PSPμ РгPsРІРμРгРμPSC-. РμСГРө
РіСГРөР·PSP°СГРμPSPSC- РљСГР°РІСГПсPSCг С,Р°РөРөРј РіР°СГС-С"PSC,Р°Рј СГР»С-Рг
РіСГРөР№РјР°С,Рө Р·РІР°Р¶РμPSPμ СГС-С€РμPSPSCІ Р· СгСР°С...СГРІР°PSPSCІРј
СГРөР·РөРөС-РІ С- РөPsСГРөСГГ,С-.

РμPsРІС-РгPsРјР»СІР»Рө РіСГPs РІРөРіР°РгРөРө РІРөPSPөРөPSPμPSPSCІ СГРμСГРөРгРөРіСГ
СГРμСГРμР±СГР°Р»PSPс— РμРјР±PsР»С-С— Р°Р±Ps РөСГPsРІPsРІРөР»РөРІСГ Сг
РјPsР·PsРө РіС-Рг СР°СГГ Р°Р±Ps РіС-СГР»СІ РІРІРμРгРμPSPSCІ Р»С-РөР°СГГСГСГРөPsРіPs
Р·Р°СГРсP±СГ.

РќР° РіPsСГР°С,РөСГ Р»С-РөСГРІР°PSPSCІ РіСГРμРіР°СГР°С,PsРј СГР»С-Рг
РІРөР·PSP°СГРөС,Рө СГС-РІPSC- Р°Р·PsС,СГ СГРμСГPsРІРөPSPө РөСГPsРІС- (РђРђРђ),
РөСГРμР°С,РөPSC-PSCг, Р°СГРіР°СГС,Р°С,Р°РјС-PSPsС,СГР°PSCГГ,,РμСГР°Р·Рө (РђСГРђРђ),
Р°Р»РөС,Р°С,РгРμРіС-РгСГPsРіРμPSP°Р·Рө (Р°Р"Р"), РөСГРμР°С,РөPSPөС-PSP°Р·Рө,
РμСГРөС,СГPsСГРөС,С-РІ, РІРөРөPsPSP°С,Рө С,РμСГГ, С,,СГPSPөСГС-PsPSCгРІР°PSPSCІ
PSPөСГPsРө С,Р° Р°PSP°Р»С-Р· С,СГPsРјР±PsСГРөС,С-РІ.

РμС-Рг СР°СГГ РІРІРμРгРμPSPSCІ РμРгР°СГР°РІPsPSCг СГР»С-Рг СГРμРіСГР»СІСГPsPs
РіСГPsРІPsРгРөС,Рө Р°PSP°Р»С-Р·Рө С,,СГPSPөСГС-PsPSCгРІР°PSPSCІ РіРμСГС-PSРөРө,
PSPөСГPsРө С,Р° Р°PSP°Р»С-Р·Рө РөСГPsРІС-, С- Сг СГР°Р·С-, СІРөС%Ps Р±СГРгС,СГ
РІРөСІРІР»РμPSC- Р°PSPsРјР°Р»СГPSC- Р·РјС-PSРө Сг РіPsРөР°Р·PSPөРөС...
Р°PSP°Р»С-Р·С-РІ Р°Р±Ps PsР»С-РіСГСГС-СІ, СГР»С-Рг PSPμРіР°Р№PSPs РіСГРөРіРөPSPөС,Рө
РіСГРөР№PsРј РіСГРμРіР°СГР°С,СГ С- РІР¶РөС,Рө РІС-РгРіPsРІС-РгPSPөС... Р·Р°С...PsРгС-РІ.
РљСГС-Рј С,PsРіPs, СГР»С-Рг РіСГPsРгPsРІР¶СГРІР°С,Рө СГРμС,РμР»СГPSC-

СГРiPcCГC, PμCГPμP¶PμPSPSCЦ P·P° CГC, P°PSPsPj P°P°CГC-C"PSC, P° C- P°C-CГP»CЦ
P·P°PeC-PSC±PμPSPSCЦ C-PSбГ™C"PeCГC-PN.

PJ P°P°CГC-C"PSC, C-PI P· P±C-C±PSPëPj P°PjC-PsC, CГPsC,, C-C±PSPëPj CГPeP»PμCГPsP·PsPj
(P'PhPŸ) CГ PjC-CГCГ P°CГPsPiCГPμCГCГP°PSPSCЦ C...P°P°CГPsP±Pë C-CГPSCГC"
C-PjPsPIC-CГPSC-CГC, Cб PIPëCЦIP»PμPSPSCЦ P·PSPëP¶PμPSPSCЦ P°P°PeP°P·PSPëPeC-PI
PeCГPμP°C, PëPSC-PSCГ CГ CГPëCГPsPIP°C, CГC- PeCГPsPIC- C±PμCГPμP· PjбГ™CЦP·PsPICГ
P°C, CГPsC,, C-CГ, C, PsPjCГ P·P°PjC-CГC, Cб C, PsPiPs, C%PsP± P°P°CГC-PIPSCГPIP°C, Pë
PsPrPSPsCГP°P·PsPIPëPN P°P°PeP°P·PSPëPe PIPjC-CГC, CГ PeCГPμP°C, PëPSC-PSCГ PI
CГPëCГPsPIP°C, CГC- PeCГPsPIC- P· PePsPSC, CГPsP»CбPSPëPj P·PSP°C±PμPSPSCЦPj, CГP»C-Pr
PePsPSC, CГPsP»CГPIP°C, Pë P·PjC-PSCГ P°P°PeP°P·PSPëPeC-PI PIPjC-CГC, CГ
PeCГPμP°C, PëPSC-PSCГ CГ CГPëCГPsPIP°C, CГC- PeCГPsPIC-, C%PsP±
P°PμCГPμPePsPSP°C, PëCГCЦ PI PSP°CЦIPSPsCГC, C- P°P±Ps PIC-PrCГCГC, PSPsCГC, C-
C, PμPSPPrPμPSCГC-C— PrPs P°P°PiC-CГC€PμPSPSCЦ.

PлCГC-Pj C, PsPiPs, PsCГPeC-P»CбPePë P·PSP°C±PμPSPSCЦ PhPŸPл PIP°CГC-CГC"C, CбCГCЦ
P·P°P»PμP¶PSPs PIC-Pr PeC-P»CбPePsCГC, C- PIPsPrPë PI PsCГPiP°PSC-P·PjC-,
P·P°PjC-CГC, Cб C, PsPiPs, C%PsP± P°P°CГC-PIPSCГPIP°C, Pë PsPrPSPsCГP°P·PsPIPëPN
P°P°PeP°P·PSPëPe PhPŸPл P· PePsPSC, CГPsP»CбPSPëPj P·PSP°C±PμPSPSCЦPj, CГP»C-Pr
PePsPSC, CГPsP»CГPIP°C, Pë P·PjC-PSCГ PhPŸPл, C%PsP± P°PμCГPμPePsPSP°C, PëCГCЦ PI
PSP°CЦIPSPsCГC, C- P°P±Ps PIC-PrCГCГC, PSPsCГC, C- C, PμPSPPrPμPSCГC-C— PrPs
P°P°PiC-CГC€PμPSPSCЦ.

PJ P°P°CГC-C"PSC, C-PI P· PjбГ™CЦP·PsPIPсC P°C, CГPsC,, C-C"C P°PμCГPμPr
P°P°C±P°C, PePsPj C- P°C-Pr C±P°CГ C-PSбГ™C"PeCГC-PN P°P° PrPsPrP°C, PsPe PrPs
PIPëPjC-CГCГPIP°PSPSCЦ PeCГPμP°C, PëPSC-PSCГ PI CГPëCГPsPIP°C, CГC- PeCГPsPIC- C, P°
PhPŸPл CГP»C-Pr P·PrC-PN CГPSCГPIP°C, Pë PsCГC-PSPeCГ C,, CГPSPeCГC-PsPSCГPIP°PSPSCЦ
PSPëCГPsPe P·P° P°PSP°P»C-P·P°PjPë, CЦPeC- PSPμ P·P°P»PμP¶P°C, Cб PIC-Pr P·PjC-PSPë
PjбГ™CЦP·PsPIPсC— PjP°CГPë, C, P°PePëPjPë CЦPe PIPëP·PSP°C±PμPSPSCЦ
CГPsP·CГP°C...CГPSPePsPIPсC— C€PIPëPrPePsCГC, C- PeP»CГP±PsC±PePsPIPсC—
C,, C-P»CбC, CГP°CГC-C— CГPëCГC, P°C, PëPSCГ C CГ CГPëCГPsPIP°C, CГC- PeCГPsPIC-,
CГPsP·CГP°C...CГPSPsPe PeP»C-CГPμPSCГCГ PeCГPμP°C, PëPSC-PSCГ PI CГPμCГC-.

PJ CГP°P·C-, CЦPeC%Ps P°C-Pr C±P°CГ C-PSбГ™C"PeCГC-C— PIPëPSPëPeP»P°PSPëCГPePsPIP°
PrPëCГC,, CГPSPeCГC-CЦ, CГP»C-Pr PSPμPiP°PN P°P°P°P° P°CГPëP°P°PSPëC, Pë PIPμPrPμPSPSCЦ
P»C-PeP°CГCГCбPePsPiPs P·P°CГPsP±CГ C- PIP¶PëC, Pë PIC-PrP°P°PIC-PrPSPëC...
P·P°C...PsPrC-PI CГ CГP°C-PIP°CГP°CГC- P· P»C-PeP°CГCЦPjPë, CЦPeC- PjP°CГC, Cб
PrPsCГC, P°C, PSC- P·PSP°PSPSCЦ C- PrPsCГPIC-Pr CГ P»C-PeCГPIP°PSPSC- PSPëCГPePsPIPсC—
PrPëCГC,, CГPSPeCГC-C—.

P°PeC%Ps P°C-Pr C±P°CГ C-PSбГ™C"PeCГC-C— PIPëPSPëPeP»Pë CГCГPeP»P°PrPSPμPSPSCЦ,
C, P°PeC- CЦPe C-PSC,, PμPeCГC-CЦ, C- PSPμPsP±C...C-PrPSPs PrPsPrP°C, PePsPiPs
P°CГPëPN PjP°C, Pë P°PSC, PëP±C-PsC, PëPePë, CГP»C-Pr CГPμC, PμP»CбPSPs
CГPsP·PiP»CЦPSCГC, Pë PIPëC, P°PSPSCЦ P°CГPs PSPμPsP±C...C-PrPSC-CГC, Cб
P°CГPsPrPsPIP¶PμPSPSCЦ C-PSбГ™C"PeCГC-C— P°CГPμP°P°CГP°C, CГ, C- CГ CГP°P·C-
P°CГPsPrPsPIP¶PμPSPSCЦ CГP»C-Pr PsCГPsP±P»PëPIPs CГPμC, PμP»CбPSPs
PePsPSC, CГPsP»CГPIP°C, Pë P»P°P±PsCГP°C, PsCГPSC- P°P°PeP°P·PSPëPePë. PлCГC-Pj
C, PsPiPs, PSP°PIC-C, Cб P°C-CГP»CЦ P·P°PeC-PSC±PμPSPSCЦ PIPμPrPμPSPSCЦ
P»C-PeP°CГCГCбPePsPiPs P·P°CГPsP±CГ CГP»C-Pr P°CГPsPIPμCГC, Pë PrPμC, P°P»CбPSCГ
P°PμCГPμPIC-CГPeCГ C- CГPμC, PμP»CбPSPs PIPμCГC, Pë CГP°P°CГC, PμCГPμP¶PμPSPSCЦ
(PrPμC, P°P»CбPSC-C€Pμ PrPëPI. CГ CГPsP·PrC-P»C- B«P'P·P°C" PjPsPrC-CЦ P· C-PSC€PëPjPë
P»C-PeP°CГCГCбPePëPjPë P·P°CГPsP±P°PjPë C, P° C-PSC€C- PIPëPrPë PIP·P°C" PjPsPrC-PN B»).

PhCfPeC-P»CHPePe PíC-Pr C†P°Cf P»C-PeCfPIP°PSPSCl PíCfPµPíP°CfP°C,PsPj PjPsP¶Pµ
 PIPePSPePePSCrC,Pë P»PëC...PsPjP°PSPeP°, PeP°C€PµP»CH, CrC,CfCfPrPSPµPSPµ
 PrPëC...P°PSPSCl C- PiPsCfC,CfP° PrPëCfC,,CrPSPeC†C-Cl P»PµPiPµPSCH, C%Ps
 CfCfPíCfPsPIPPrP¶CfC”C,CHCfCl P°PSPsPjP°P»C-ClPjPë CfPµPSC,PiPµPSPsPiCfP°C,,C-C—
 PiCfCfPrPSPsC— PeP»C-C,PePë, CfP»C-Pr CfPµC,PµP»CHPSPs CfC,PµP¶PëC,Pë P·P°
 CfC,P°PSPsPj PíP°C†C-C”PSC,P°, C- ClPeC%Ps PíPsPrC-P±PSC- CfPëPjPíC,PsPjPë
 P·Bf™ ClPIPëP»PëCfCl, CfP»C-Pr PíCfPëPíPëPSPëC,Pë PíCfPëPµPsPj PíCfPµPíP°CfP°C,Cr C-
 PIP¶PëC,Pë PIC-PrPíPsPIC-PrPSPëC... P·P°C...PsPrC-PI, C,P°PePëC... ClPe PIPµPrPµPSPSCl
 PSP°PrPSPëCfPePsIPsP·P°P»PsP·PSPëC... PePsCfC,PëPePsCfC,PµCfPsC—PrC-PI.

PµP°C†C-C”PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCf PíPsC,CfPµP±CfCfC,CH PsCfPsP±P»PëPIPs
 CfPµC,PµP»CHPSPsPiPs PSP°PiP»ClPrCr, PsCfPeC-P»CHPePe CfPµCfPµPr
 PíP°C†C-C”PSC,C-PI C†C-C”C— PeP°C,PµPiPsCfC-C— CfPíPsCfC,PµCfC-PiP°P»PsCfCl
 P±P°PiP°C,Ps P»PµC,P°P»CHPSPëC... PIPëPíP°PrPeC-PI.

PµCfP°PICfPsPS CfP»C-Pr P· PsP±PµCfPµP¶PSC-CfC,Cf P·P°CfC,PsCfPsPICrPIP°C,Pë
 C,P°PePëPj PeP°C,PµPiPsCfC-ClPj PíP°C†C-C”PSC,C-PI:

- P· PíPsCfCfC€PµPSPSClPj C,,CrPSPeC†C-C— PSPëCfPsPe C,P°/P°P±Ps
 P·PSPµPIPsPrPSPµPSPSClPj (C†PµCfPµP· PIPëCfPsPePëPµ CfPëP·PëPe
 CfPsP·PIPëPSPµPSPSCl PiPsCfC,CfPsC— PSPëCfPePsIPsC— PSPµPrPsCfC,P°C,PSPsCfC,C-);
- P· C-PSC,,PµPeC†C-C”Cf (PSPëCfPePsIP° PSPµPrPsCfC,P°C,PSC-CfC,CH PjPsP¶Pµ
 PíPsCfPëP»PëC,PëCfCl C†PµCfPµP· PíPsPiC-CfC€PµPSPSCl P·P°PiP°P»CHPSPsPiPs
 CfC,P°PSCr PíP°C†C-C”PSC,P°);
- P· PíPsCfCfC€PµPSPSClPj C,,CrPSPeC†C-Pµ PíPµC†C-PSPePë (PjPsP¶P»PëPIPµ
 PíPsPiC-CfC€PµPSPSCl PíPµC†C-PSPePsIPsC— PSPµPrPsCfC,P°C,PSPsCfC,C-);
- P· P·P°C...PIPsCfCfPIP°PSPSClPjPë CfPµCfC†Cl (PjPsP¶P»PëPIPµ
 PíPsPiC-CfC€PµPSPSCl P·P°C...PIPsCfCfPIP°PSPSCl, P° C,P°PePsP¶ CfPsP·PIPëC,PsPe
 PSPëCfPePsIPsC— PSPµPrPsCfC,P°C,PSPsCfC,C-);
- P· C,ClP¶PePëPjPë PíPsCfCfC€PµPSPSClPjPë CfPIC-PrPsPjPsCfC,C- (PíP°C†C-C”PSC,Pë
 PSPµ CfPµP°PiCfCfC,CH PSP° P·PsPIPSC-C€PSCf CfC,PëPjCfP»ClC†C-Cf);
- PíP°C†C-C”PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCf (CfPíPsPIC-C%P°P»PsCfCH PíCfPs
 P»PµC,P°P»CHPSC- PIPëPíP°PrPePë Cr C†C-Pµ PeP°C,PµPiPsCfC-C— PíP°C†C-C”PSC,C-PI).

*P—P°CfC,PsCfC¿PIP°PSPSCl C¿ PíPµCfC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps
 PiPsPrC¿PIP°PSPSCl PiCfC¿PrPrCf.*

P·PµP·PíPµC†PSC-CfC,CH P·P°CfC,PsCfCfPIP°PSPSCl P»C-PeP°CfCfCHPePsPiPs
 P·P°CfPsP±Cf Cr PíPµCfC-PsPr PIP°PiC-C,PSPsCfC,C- PSPµ PICfC,P°PSPsPIP»PµPSP°.
 PµCfPëP·PSP°C†PµPSPSCl PíCfPµPíP°CfP°C,Cr PIP°PiC-C,PSPëPj PSPµ P±P°P¶P°PSPs.

P-C-PSPeP°Pj Cr PíPµCfC-PsPr P·P°CfC,PsCfCfPIP°PSPSCl P»C-PeP°CfCfCHPePsPiPs
 P·P°CfPsP±Cf CfP»C-Pr CrC,CfPëPjCfPIP°C,PëCfCl PIC-Pr PiPsPrCfPIP°PSPSCl
 PiCfCfPrPrCf, PsCfPeC-P»CHPePe PíCfPµPíP°CfP°C, PíCfPsPSPëPeP°C” Cr PíCfCfPrPSPµ
 PjPsP»PsPePs.

$P-Pr^{\circ}C, PSC-C\acute{I}C, CH\ PIPiP \gg P\ddot{e}PIP^{\circ}C, P\ddot{e}PSP^{\circ} C \epsilon PIP\ddot{e}PrPeC-C\acute{I}C, CH\ C\grave{H}P\mu P^{\circ}PeC\ddagger C-C- P\ddot{i}C\grave{H}P\ddot{e}PeP\mu C\grave{H}C\acute{z}PIP^{\circ}PSPSC- P^{\circ}PIC, PsC, C\grave{H}P^{\circ}PSC\acute{I}P\ddot{i}PsC\grave{H}C, PsPj\ P^{\circ}P\pm Ps\ C-PSC \epsilon P\ddot{e}PjP\ddot{e}PjP\mu C...P^{\circ}PSC-P\cdot PjP^{\circ}PjP\ddot{e}.$

$P>C-PeP^{\circ}C\grave{H}C\acute{I}CH\ddot{H}PeP\ddot{e}PN_{\ddot{e}}\ P\cdot P^{\circ}C\acute{I}C-P\pm\ P\ddot{i}C\grave{H}P\ddot{e}P\cdot PSP^{\circ}C\ddagger P\mu PSP\ddot{e}PN_{\ddot{e}}\ PrPs\ PIP\ddot{e}PePsC\grave{H}P\ddot{e}C\acute{I}C, P^{\circ}PSPSC\ddot{I}\ PI\ C\acute{r}PjPsPIP^{\circ}C... C\acute{I}C, P^{\circ}C\ddagger C-PsPSP^{\circ}C\grave{H}C\acute{r},\ C, PsPjC\acute{r}\ C, P^{\circ}PeC-PrP^{\circ}PSC- PIC-PrC\acute{I}C\acute{r}C, PSC-.$

$P\check{Y}PiPsC\acute{I}C-P\pm\ P\cdot P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{z}PIP^{\circ}PSPSC\ddot{I}\ C, P^{\circ}\ PrPsP\cdot P\ddot{e}.$

$P\acute{K}P\mu PIC\grave{H}PsP \gg PsPiC-C\ddagger PSC- C\acute{I}P\ddot{e}PjP\ddot{i}C, PsPjP\ddot{e}, P\ddot{i}PsPi\grave{b}\grave{H}^{\text{TM}}\ C\ddot{I}P\cdot P^{\circ}PSC- P\cdot PiPsC\acute{I}C, C\grave{H}P\ddot{e}PjC-C \epsilon P\mu PjC-C\ddagger PSP\ddot{e}Pj\ C-PSC\acute{I}C\acute{r}P \gg CH\ddot{H}C, PsPj, P\ddot{i}C\grave{H}PsC\ddot{I}PIP\ddot{e}\ P\ddot{i}PsC\grave{H}C\acute{r}C \epsilon P\mu PSCH\ P\ddot{i}PsPIC\acute{I}C\ddot{I}PePrP\mu PSPSPsC- PrC-C\ddot{I}P \gg CH\ddot{H}PSPsC\acute{I}C, C-, P\ddot{i}PsP \gg P\mu PiC \epsilon P\mu PSPSC\ddot{I}\ C\grave{H}C-P\cdot PSPsPiPs\ C\grave{H}PsPrC\acute{r}\ PrP\ddot{e}C\acute{I}C,, C\acute{r}PSPeC\ddagger C-PN_{\ddot{e}}: 30\ PjPi\ P\mu PrP^{\circ}C\grave{H}P^{\circ}PIPsPSC\acute{r}\ (1\ P^{\circ}PjP\ddot{i}C\acute{r}P \gg P^{\circ})\ PrPIC-C\ddagger C- PSP^{\circ}\ PrPsP\pm C\acute{r}, PIC\grave{H}P^{\circ}PSC\ddagger C- C, P^{\circ}\ PIPiP\mu C\ddagger P\mu C\grave{H}C-, C \epsilon P \gg C\ddot{I}C...PsPj\ PIPSC\acute{r}C, C\grave{H}C-C \epsilon PSCH\ddot{H}PsPIP\mu PSPSPsC- C-PSC,, C\acute{r}P\cdot C-C- PIP\ddot{i}C\grave{H}PsPrPsPIP\P\ 30\ C...PIP\ddot{e}P \gg P\ddot{e}PS. P\mu P\mu C\grave{H}P\mu Pr\ PIPiP\mu PrP\mu PSPSC\ddot{I}Pj\ PIPjC-C\acute{I}C, P^{\circ}PjP\ddot{i}C\acute{r}P \gg P\ddot{e}\ C\acute{I}P \gg C-Pr\ C\grave{H}PsP\cdot C\ddagger P\ddot{e}PSP\ddot{e}C, P\ddot{e}\ C\acute{r}\ 100\ PjP \gg 0,9\ \% PSP^{\circ}C, C\grave{H}C-C\grave{H}\ C...P \gg PsC\grave{H}P\ddot{e}PrC\acute{r}. P\check{Y}P\mu C\grave{H}P^{\circ}P\ddot{i}C-C\grave{H}\ C\acute{I}P \gg C-Pr\ C\grave{H}PsP\cdot P\ddot{i}PsC\ddagger P^{\circ}C, P\ddot{e}\ PIP\ddot{i}C\grave{H}PsPrPsPIP\P\ 24\ P\ddot{i}PsPrP\ddot{e}PS\ P\ddot{i}C-C\acute{I}P \gg C\ddot{I}\ P\ddot{i}PsC\ddot{I}PIP\ddot{e}\ C\acute{I}P\ddot{e}PjP\ddot{i}C, PsPjC-PI, C, C\grave{H}P\ddot{e}PIP^{\circ}P \gg C-C\acute{I}C, CH\ P \gg C-PeC\acute{r}PIP^{\circ}PSPSC\ddot{I}\ \grave{b}\grave{H}''\ PSP\mu\ PjP\mu PSC \epsilon P\mu\ 14\ PrPSC-PI.$

$P\ddagger PSPiC-P\pm C\acute{r}CH\ddot{H}C\ddagger P\ddot{e}PN_{\ddot{e}}\ PIPiP \gg P\ddot{e}PI\ PSP^{\circ}\ P\ddot{i}C\grave{H}PsPiC\grave{H}P\mu C\acute{I}C\acute{r}PIP^{\circ}PSPSC\ddot{I}\ PrP\ddot{e}C\acute{I}C,, C\acute{r}PSPeC\ddagger C-C- P\ddot{i}C\grave{H}P\ddot{e}\ P\pm C-C\ddagger PSPsPjC\acute{r}\ P^{\circ}PjC-PsC, C\grave{H}PsC,, C-C\ddagger PSPsPjC\acute{r}\ C\acute{I}PeP \gg P\mu C\grave{H}PsP\cdot C- (P^{\circ}P\check{H}P\check{Y}): P\ddot{i}C\grave{H}P\ddot{e}P\cdot PSP^{\circ}C\ddagger P^{\circ}C, P\ddot{e}\ 60\ PjPi\ P\mu PrP^{\circ}C\grave{H}P^{\circ}PIPsPSC\acute{r}\ (2\ P^{\circ}PjP\ddot{i}C\acute{r}P \gg P\ddot{e}),\ C \epsilon P \gg C\ddot{I}C...PsPj\ PIPSC\acute{r}C, C\grave{H}C-C \epsilon PSCH\ddot{H}PsPIP\mu PSPSPsC- C-PSC,, C\acute{r}P\cdot C-C- PIP\ddot{i}C\grave{H}PsPrPsPIP\P\ 60\ C...PIP\ddot{e}P \gg P\ddot{e}PS, 1\ C\grave{H}P^{\circ}P\cdot PSP^{\circ}\ PrPsP\pm C\acute{r}. P\mu P\mu C\grave{H}P\mu Pr\ PIPiP\mu PrP\mu PSPSC\ddot{I}Pj\ PIPjC-C\acute{I}C, P^{\circ}PjP\ddot{i}C\acute{r}P \gg P\ddot{e}\ C\acute{I}P \gg C-Pr\ C\grave{H}PsP\cdot C\ddagger P\ddot{e}PSP\ddot{e}C, P\ddot{e}\ PI\ PrPsC\acute{I}C, P^{\circ}C, PSCH\ddot{H}PsPjC\acute{r}\ PsP\pm \grave{b}\grave{H}^{\text{TM}}\ C''PjC- 0,9\ \% PSP^{\circ}C, C\grave{H}C-C\grave{H}\ C...P \gg PsC\grave{H}P\ddot{e}PrC\acute{r}. P\ddot{i}Pe\ P\ddot{i}C\grave{H}P^{\circ}PIP\ddot{e}P \gg Ps, P\ddot{i}P\mu C\grave{H}C-PsPr\ PIPiP\mu PrP\mu PSPSC\ddot{I}\ P \gg C-PeP^{\circ}C\grave{H}C\acute{I}CH\ddot{H}PePsPiPs\ P\cdot P^{\circ}C\acute{I}PsP\pm C\acute{r}\ C- P\ddot{i}P\mu C\grave{H}C-PsPr\ C\acute{I}P\ddot{i}PsPePsCH\ C\acute{r}\ C\acute{I}C\acute{r}PjC- C\acute{I}C, P^{\circ}PSPsPIP \gg C\ddot{I}C, CH\ 28\ PrPSC-PI\ C- PIPiP^{\circ}P\P^{\circ}C\grave{H}C, CH\ C\acute{I}C\ddot{I}\ C\ddot{I}Pe\ PsPrP\ddot{e}PS\ PeC\acute{r}C\grave{H}C\acute{I}, C, P^{\circ}PeC- PeC\acute{r}C\grave{H}C\acute{I}P\ddot{e}\ P\ddot{i}PsPIC, PsC\grave{H}C\grave{H}C\grave{H}C, CH\ C\acute{I}C\ddot{I}. P\mu P\mu C\grave{H}C \epsilon P\ddot{e}PN_{\ddot{e}}\ PeC\acute{r}C\grave{H}C\acute{I}\ C\acute{I}PeP \gg P^{\circ}PrP^{\circ}C''C, CH\ C\acute{I}C\ddot{I}\ P\cdot 14\ PrPSC-PI\ P\ddot{i}C\grave{H}P\ddot{e}PN_{\ddot{e}}PsPjC\acute{r}\ P\ddot{i}C\grave{H}P\mu P\ddot{i}P^{\circ}C\grave{H}P^{\circ}C, C\acute{r}, P\ddot{i}C-C\acute{I}P \gg C\ddot{I}\ C\ddagger PsPiPs\ PN_{\ddot{e}}PrP\mu\ 14\ PrPSC-PI\ P\ddot{i}P\mu C\grave{H}P\mu C\grave{H}PIP\ddot{e}\ C- C\acute{I}P\ddot{i}PsPePsCH, PrC\grave{H}C\acute{r}P\ddot{i}P\ddot{e}PN_{\ddot{e}}\ PeC\acute{r}C\grave{H}C\acute{I}\ C- PSP^{\circ}C\acute{I}C, C\acute{r}P\ddot{i}PSC- C\acute{I}PeP \gg P^{\circ}PrP^{\circ}C\grave{H}C, CH\ C\acute{I}C\ddot{I}\ P\cdot 10\ PrPSC-PI\ PIPiP\mu PrP\mu PSPSC\ddot{I}\ P \gg C-PeP^{\circ}C\grave{H}C\acute{I}CH\ddot{H}PePsPiPs\ P\cdot P^{\circ}C\acute{I}PsP\pm C\acute{r}\ P\ddot{i}C\grave{H}PsC, C\ddot{I}PiPsPj\ 14\ PrPSC-PI, P\ddot{i}C-C\acute{I}P \gg C\ddot{I}\ C\ddagger PsPiPs\ P\ddot{i}PsC\ddagger P\ddot{e}PSP^{\circ}C''C, CH\ C\acute{I}C\ddot{I}\ P\ddot{i}P\mu C\grave{H}C-PsPr\ C\acute{I}P\ddot{i}PsPePsCH\ P\ddot{i}C\grave{H}PsC, C\ddot{I}PiPsPj\ 14\ PrPSC-PI.$

$Pj\ P\ddot{i}P^{\circ}C\ddagger C-C''PSC, C-PI\ P\cdot PiPsC\acute{I}C, C\grave{H}P\ddot{e}Pj\ C-C \epsilon P\mu PjC-C\ddagger PSP\ddot{e}Pj\ C-PSC\acute{I}C\acute{r}P \gg CH\ddot{H}C, PsPj\ C, C\grave{H}P\ddot{e}PIP^{\circ}P \gg C-C\acute{I}C, CH\ C, P\mu C\grave{H}P^{\circ}P\ddot{i}C-C- PjPsP\P\mu\ P\pm C\acute{r}C, P\ddot{e}\ C\acute{I}PePsC\grave{H}PsC\ddagger P\mu PSP^{\circ}, P\cdot P^{\circ}P \gg P\mu P\P\ PSPs\ PIC-Pr\ PeP \gg C-PSC-C\ddagger PSPsPiPs\ C\acute{I}C, P^{\circ}PSC\acute{r}\ P\ddot{i}P^{\circ}C\ddagger C-C''PSC, P^{\circ}.$

$P-P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\ddot{I}\ C\acute{r}\ C\acute{I}PeP \gg P^{\circ}PrC- PePsPjP\ddot{i}P \gg P\mu PeC\acute{I}PSPsPiPs\ P \gg C-PeC\acute{r}PIP^{\circ}PSPSC\ddot{I}\ C\acute{I}C, P^{\circ}PSC\acute{r}, C\ddot{I}PeP\ddot{e}PN_{\ddot{e}}\ PIP\ddot{e}PSP\ddot{e}Pe\ PIPSP^{\circ}C\acute{I}P \gg C-PrPsPe\ C\acute{I}P\ddot{e}C\acute{I}C, P\mu PjPSPsC- P\cdot P^{\circ}P\ddot{i}P^{\circ}P \gg CH\ddot{H}PSPsC- PIC-PrP\ddot{i}PsPIC-PrC- P\ddot{i}C\grave{H}P\ddot{e}\ PePsC\grave{H}PsPSP^{\circ}PIC-C\grave{H}C\acute{r}C\acute{I}PSC-PN_{\ddot{e}}\ C...PIPSC\grave{H}PsP\pm C- (COVID-19): 30\ PjPi\ P\mu PrP^{\circ}C\grave{H}P^{\circ}PIPsPSC\acute{r}$

(1 P°PjPīCfP»P°) PrPIC-C†C- PSP° PrPsP±Cf, PICḡP°PSC†C- C,P° PIPμC†PμCḡC-,
C€P»CḡC...PsPj PIPSCfC,CḡC-C€PSCḡPsPIPμPSPSPsC— C-PSC,,CfP·C-C— PIPiCḡPsPrPsPIP¶ 30
C...PIPëP»PëPS. PμPμCḡPμPr PIPμPrPμPSPSCḡPj PIPjC-CfC, P°PjPīCfP»Pë CfP»C-Pr
CḡPsP·C†PëPSPëC,Pë Cf 100 PjP» 0,9 % PSP°C,CḡC-Cḡ C...P»PsCḡPëPrCf. P—P°PiP°P»CḡPSP°
C,CḡPëPIP°P»C-CfC,Cḡ P»C-PeCfPIP°PSPSCḡ CfC,P°PSPsPIPëC,Cḡ PSPμ P±C-P»CḡC€Pμ 14
PrC-P±.

PμP°C†C-C”PSC,Pë P»C-C,PSCHḡPsPiPs PIC-PeCf.

PhCfPeC-P»CḡPePë Cf PīP°C†C-C”PSC,C-PI P»C-C,PSCHḡPsPiPs PIC-PeCf P·P°PiP°P»PsPj
P·PSPëP¶PμPSC- C,,C-P·C-PsP»PsPiC-C†PSC- C,,CfPSPeC†C-C—, C,Ps Cf CḡP°P·C- PīPsCḡPIPë
PīPsP±C-C†PSPëC... PμC,,PμPeC,C-PI CfP»C-Pr PīCḡPëPīPëPSPëC,Pë PīCḡPëPNḡPsPj
P»C-PeP°CḡCfCḡPePsPiPs P·P°CfPsP±Cf C- PIP¶PëC,Pë PIC-PrPīPsPIC-PrPSPëC...
P·P°C...PsPrC-PI. PhPīCfP±P»C-PePsPIP°PSPs P±P°PiP°C,Ps PrP°PSPëC... PīCḡPs C,Pμ, C%Ps Cf
PīP°C†C-C”PSC,C-PI P»C-C,PSCHḡPsPiPs PIC-PeCf C†P°CfC,Ps PIPëPSPëPeP°CḡC,Cḡ
P»PμC,P°P»CḡPSC- PSP°CfP»C-PrPePë, C,PsPjCf PSP°PiP»CḡP¶PīPsPIPëPSPμPS P±CfC,Pë
PsCfPsP±P»PëPIPs CḡPμC,PμP»CḡPSPëPj.

P”C-C,Pë.

P’PμP·PīPμPeP° P·P°CfC,PsCfCfPIP°PSPSCḡ P»C-PeP°CḡCfCḡPePsPiPs P·P°CfPsP±Cf PrP»Cḡ
PrC-C,PμPNḡ PSPμ PICfC,P°PSPsPIP»PμPSP°.

PkPμPrPsCfC,P°C,PSCHḡPs PrPsCfPIC-PrCf P·P°CfC,PsCfCfPIP°PSPSCḡ PīCḡPë
PīPsCfC,CḡPsPjCf C-C€PμPjC-C†PSPsPjCf C-PSCfCfP»CḡC,C- Cf PrC-C,PμPNḡ. PkPμPjP°C”
PrPsCfPIC-PrCf PeP»C-PSC-C†PSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCḡ PrC-C,CḡPj PīCḡPë P’PhPŸ
C,P° Cf CfPeP»P°PrC- PePsPjPīP»PμPeCfPSPsPiPs P»C-PeCfPIP°PSPSCḡ CfC,P°PSCf, CḡPePëPNḡ
PIPëPSPëPe PIPSP°CfP»C-PrPsPe CfPëCfC,PμPjPSPsC— P·P°PiP°P»CḡPSPsC—
PIC-PrPīPsPIC-PrC- PīCḡPë PePsCḡPsPSP°PIC-CḡCfCfPSC-PNḡ C...PIPsCḡPsP±C- (COVID-19).

PμPμCḡPμPrPsP·CzPIP°PSPSCḡ.

P’PëPīP°PrPePë PīPμCḡPμPrPsP·CfPIP°PSPSCḡ PSPμ PsPīPëCfP°PSC-.

PμPsP±C-C†PSC- CḡPμP°PeC†C-C—.

P— P±PsPeCz CfPμC†PsPIPëPrC-P»CḡPSPsC— CfPëCfC,PμPjPë: PīPsCfC,CḡP°
PSPëCḡPePsPIP° PSPμPrPsCfC,P°C,PSC-CfC,Cḡ, PSPμC,,CḡPsC,PëC†PSPëPNḡ CfPëPSPrCḡPsPj.

P— P±PsPeCz C€PeC-CḡPë: PIPëCfPëPī, PīPsC†PμCḡPIPsPSC-PSPSCḡ, PSP°P±CḡCḡPe,
PIC-PrC†CfC,C,Cḡ CfPIPμCḡP±PμP¶Cf, PμCḡPëC,PμPjP°.

P— P±PsPeCz PiPμPīP°C,PsP±C-P»C-P°CḡPSPsC— CfPëCfC,PμPjPë:
PīPsCḡCfC€PμPSPSCḡ C,,CfPSPeC†C-PNḡ PīPμC†C-PSPePë, PīPμC†C-PSPePsPIP°
PSPμPrPsCfC,P°C,PSC-CfC,Cḡ, C,,CfP»CḡPjC-PSP°PSC,PSPëPNḡ PīPμPīP°C,PëC,,
P¶PsPIC,CḡPSPëC†Cḡ.

$P - P \pm PsPeC \acute{e} PSP_{\mu}C\bar{H}PIPsPIPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}: P \pm P_{\mu}P \cdot C\acute{I}PsPSPSC\bar{I},$
 $PiPsP \gg PsPIPSP\ddot{e}PN_{\acute{e}} P \pm C - P \gg CH.$

$P - P \pm PsPeC \acute{e} C\acute{I}P_{\mu}C\bar{H}C \dagger P_{\mu}PIPs - C\acute{I}C \acute{e} PrP\ddot{e}PSPSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}: P\ddot{I}C - PrPIP\ddot{e}C \% P_{\mu}PSPSC\bar{I} P^{\circ}C\bar{H}C, P_{\mu}C\bar{H}C - P^{\circ}P \gg CHPSPSPiPs C, P\ddot{e}C\acute{I}PeC\acute{I}.$

$P - P \pm PsPeC \acute{e} PeC\bar{H}PsPIC - : P^{\circ}PiC\bar{H}P^{\circ}PSC\acute{r}P \gg PsC \dagger P\ddot{e}C, PsP \cdot, C\acute{I}P\ddot{e}PSPPrC\bar{H}PsPj P''P'P -$
 $C\acute{I}P\ddot{e}PSPPrC\bar{H}PsPj (PrP\ddot{e}C\acute{I}P_{\mu}PjC - PSPsPIP^{\circ}PSP_{\mu}$
 $PIPSC\acute{r}C, C\bar{H}C - C\epsilon PSC\bar{H}PsC\acute{I}C\acute{r}PrP\ddot{e}PSPSP_{\mu} P \cdot PiPsC\bar{H}C, P^{\circ}PSPSC\bar{I}), P \cdot PSP\ddot{e}P \P P_{\mu}PSPSC\bar{I}$
 $PeC - P \gg CHPePsC\acute{I}C, C - P_{\mu}C\bar{H}P\ddot{e}C, C\bar{H}PsC \dagger P\ddot{e}C, C - PI, P \gg P_{\mu}PN_{\acute{e}}PePsC \dagger P\ddot{e}C, PsP \cdot,$
 $P \gg P_{\mu}PN_{\acute{e}}PePsP\ddot{I}P_{\mu}PSC - C\bar{I}, P \cdot PjP_{\mu}PSC\epsilon P_{\mu}PSPSC\bar{I} C\bar{H}C - PIPSC\bar{I} PiP_{\mu}PjP^{\circ}C, PsPeC\bar{H}P\ddot{e}C, C\acute{r},$
 $P \cdot PSP\ddot{e}P \P P_{\mu}PSPSC\bar{I} C\bar{H}C - PIPSC\bar{I} PiP_{\mu}PjPsPiP \gg PsP \pm C - PSC\acute{r}, C, C\bar{H}PsPjP \pm PsC \dagger P\ddot{e}C, PsP \cdot,$
 $C, C\bar{H}PsPjP \pm PsC \dagger P\ddot{e}C, PsP\ddot{I}P_{\mu}PSC - C\bar{I}.$

$P - P \pm PsPeC \acute{e} PrP\ddot{e}C \dots P^{\circ}P \gg CHPSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}: C\acute{I}P\ddot{e}PSPPrC\bar{H}PsPj$
 $PiPsC\acute{I}C, C\bar{H}PsPiPs P\ddot{I}PsC\epsilon PePsPrP \P P_{\mu}PSPSC\bar{I} P \gg P_{\mu}PiP_{\mu}PSC\bar{H}, C \% Ps$
 $C\acute{I}C\acute{r}P\ddot{I}C\bar{H}PsPIPsPrP \P C\acute{r}C''C, CHC\acute{I}C\bar{I} P\ddot{I}C - C\bar{H}P_{\mu}PeC\acute{I}C - C''C\bar{H}, PeP^{\circ}C\epsilon P \gg P_{\mu}Pj, PrP\ddot{e}C\acute{I}P\ddot{I}PSPsP_{\mu},$
 $P^{\circ}PSPsPjP^{\circ}P \gg C - C\bar{I}PjP\ddot{e} C\bar{H}P_{\mu}PSC, PiP_{\mu}PSPsPiC\bar{H}P^{\circ}C, C - C - PiC\bar{H}C\acute{r}PrPSPsC -$
 $PeP \gg C - C, P\ddot{e}PSP\ddot{e}.$

$P - P \pm PsPeC \acute{e} C\epsilon P \gg C \acute{e} PSPePsPIPs - PeP\ddot{e}C\epsilon PePsPIPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}: PSC\acute{r}PrPsC, P^{\circ},$
 $P \pm P \gg CHPIP^{\circ}PSPSC\bar{I}.$

$P - P \pm PsPeC \acute{e} PeC - C\acute{I}C, PePsPIPs - Pj\beta\bar{H}^{\text{TM}} C\bar{I}P \cdot PsPIPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}: C\bar{H}P^{\circ}P \pm PrPsPjC - PsP \gg C - P \cdot.$

$P - P \pm PsPeC \acute{e} C - PjC \acute{e} PSPSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}: C\epsilon PsPe, P^{\circ}PSP^{\circ}C, C - P \gg P^{\circ}PeC\acute{I}C - C\bar{I}$
 $(PeC\bar{H}PsP\ddot{I}P\ddot{e}PI\beta\bar{H}^{\text{TM}} C\bar{I}PSPeP^{\circ}, P \cdot PSP\ddot{e}P \P P_{\mu}PSPSC\bar{I} P^{\circ}C\bar{H}C, P_{\mu}C\bar{H}C - P^{\circ}P \gg CHPSPsPiPs$
 $C, P\ddot{e}C\acute{I}PeC\acute{I}, C\acute{r}C, C\bar{H}C\acute{r}PrPSP_{\mu}PSPSC\bar{I} PrP\ddot{e}C \dots P^{\circ}PSPSC\bar{I} C, PsC \% Ps).$

$P - PjC - PSP^{\circ} P \gg P^{\circ}P \pm PsC\bar{H}P^{\circ}C, PsC\bar{H}PSP\ddot{e}C \dots P\ddot{I}PsPeP^{\circ}P \cdot PSP\ddot{e}PeC - PI:$
 $P\ddot{I}C - PrPIP\ddot{e}C \% P_{\mu}PSPSC\bar{I} C\bar{H}C - PIPSC - PI P\bar{h}P \gg P\bar{h}P\ddot{y}, P\bar{h}C\acute{I}P\bar{h}P\ddot{y}, P \gg P''P'',$
 $\bar{x} - PiP \gg C\acute{r}C, P^{\circ}PjC - P \gg C, C\bar{H}P^{\circ}PSC\acute{I}P\ddot{I}P_{\mu}P\ddot{I}C, P\ddot{e}PrP^{\circ}P \cdot P\ddot{e}, P \gg C\acute{r}P \P PSPsC - C, PsC\acute{I}C, P^{\circ}C, P^{\circ}P \cdot P\ddot{e},$
 $P \pm C - P \gg C - C\bar{H}C\acute{r}P \pm C - PSC\acute{r}, PeC\bar{H}P_{\mu}P^{\circ}C, P\ddot{e}PSC - PSC\acute{r}, C\acute{I}P_{\mu}C \dagger PsPIPsC - PeP\ddot{e}C\acute{I}P \gg PsC, P\ddot{e} PI$
 $C\acute{I}P\ddot{e}C\bar{H}PsPIP^{\circ}C, C \dagger C - PeC\bar{H}PsPIC -, PiP \gg CHPePsP \cdot C\acute{r}C\bar{H}C - C\bar{I}, PiP_{\mu}PjP^{\circ}C, C\acute{r}C\bar{H}C - C\bar{I},$
 $P\ddot{I}C\bar{H}PsC, P_{\mu}C - PSC\acute{r}C\bar{H}C - C\bar{I}.$

$P - PjC - PSP\ddot{e} C \acute{e} PjC - C\acute{I}C \dagger C - PIPIP_{\mu}PrP_{\mu}PSPSC\bar{I}: P\ddot{I}PsC \dagger P_{\mu}C\bar{H}PIPsPSC - PSPSC\bar{I} C\acute{r}$
 $PjC - C\acute{I}C \dagger C - C - PS\beta\bar{H}^{\text{TM}} C''PeC \dagger C - PN_{\acute{e}}, P\ddot{I}C\bar{H}P\ddot{e}P\ddot{I}C\acute{r}C \dots P \gg C - C\acute{I}C, CH C\acute{r} PjC - C\acute{I}C \dagger C -$
 $C - PS\beta\bar{H}^{\text{TM}} C''PeC \dagger C - PN_{\acute{e}}.$

$P - P^{\circ}PiP^{\circ}P \gg CHPSC - C\bar{H}PsP \cdot P \gg P^{\circ}PrP\ddot{e}: PiC - P\ddot{I}P_{\mu}C\bar{H}C, P_{\mu}C\bar{H}PjC - C\bar{I}.$

$P_{\mu}PsPIC - PrPsPjP \gg P_{\mu}PSPSC\bar{I} P\ddot{I}C\bar{H}Ps P\ddot{I}PsP \pm C - C \dagger PSC - C\bar{H}P_{\mu}P^{\circ}PeC \dagger C - C -$

$P_{\mu}PsPIC - PrPsPjP \gg P_{\mu}PSPSC\bar{I} P\ddot{I}C\bar{H}Ps P\ddot{I}PsP \pm C - C \dagger PSC - C\bar{H}P_{\mu}P^{\circ}PeC \dagger C - C - P\ddot{I}C - C\acute{I}P \gg C\bar{I}$
 $C\bar{H}P_{\mu}C''C\acute{I}C, C\bar{H}P^{\circ}C \dagger C - C - P \gg C - PeP^{\circ}C\bar{H}C\acute{I}CHPePsPiPs P \cdot P^{\circ}C\acute{I}PsP \pm C\acute{r} PjP^{\circ}C'' PIP^{\circ}P \P P \gg P\ddot{e}PIP_{\mu}$
 $P \cdot PSP^{\circ}C \dagger P_{\mu}PSPSC\bar{I}. P\ddot{I}P_{\mu} PrP^{\circ}C'' P \cdot PjPsPiC\acute{r} P\ddot{I}C\bar{H}PsPIPsPrP\ddot{e}C, P\ddot{e} PjPsPSC - C, PsC\bar{H}P\ddot{e}PSPi$
 $C\acute{I}P\ddot{I}C - PIPIC - PrPSPsC\epsilon P_{\mu}PSPSC\bar{I} PePsC\bar{H}P\ddot{e}C\acute{I}C, CH/C\bar{H}P\ddot{e}P \cdot P\ddot{e}Pe P\ddot{I}C\bar{H}P\ddot{e}$

P·P°CÍ'C,PSCÍ'CrPIP°PSPSC- C†CHbPsPiPs P»C-PeP°CĤCÍ'CHbPePsPiPs P·P°CÍ'PsP±CÍ'.
PĤPμPrPëC†PSPëPj C,P° C,,P°CĤPjP°C†PμPIC,PëC†PSPëPj PíCĤP°C†C-PIPSëPeP°Pj, P°
C,P°PePsP¶ PíP°C†C-C"PS C,P°Pj P°P±Ps C—C... P·P°PePsPSPSPëPj PíCĤPμPrCÍ'C,P°PIPSëPeP°Pj
CÍ'P»C-Pr PíPsPIC-PrPsPjP»CÍ'C,Pë PíCĤPs CÍ'CÍ'- PIPëPíP°PrPePë PíC-PrPsP·CĤCĤPIP°PSPëC...
PíPsP±C-C†PSPëC... CĤPμP°PeC†C-PNë C,P° PIC-PrCÍ'CrC,PSPsCÍ'C,C-
PμC,,PμPeC,PëPIPSsCÍ'C,C- P»C-PeP°CĤCÍ'CHbPePsPiPs P·P°CÍ'PsP±CÍ' C†PμCĤPμP·
PĤPIC,PsPjP°C,PëP·PsPIP°PSCÍ' C-PS C,,PsCĤPjP°C†C-PNëPSCÍ' CÍ'PëCÍ'C,PμPjCÍ' P·
C,,P°CĤPjP°PePsPSP°PiP»CÍ'PrCÍ' P·P° PíPsCÍ'PëP»P°PSPSCÍ'Pj: <https://aisf.dec.gov.ua>

PŷPμCĤPjC-PS PíCĤPëPrP°C,PSPsCÍ'C,C-. 2 CĤPsPePë.

PJPjPsPIPë P·P±PμCĤC-PiP°PSPSCÍ'.

P—P±PμCĤC-PiP°C,Pë PíCĤPë C,PμPjPíPμCĤP°C,CÍ'CĤC- PSPμ PIPëC‰Pμ 25 B°Pŷ PI
PsCĤPëPiC-PSP°P»CHbPSC-PNë CÍ'PíP°PePsPIC†C-.

P—P±PμCĤC-PiP°C,Pë PI PSPμPrPsCÍ'C,CÍ'PíPSPsPjCÍ' PrP»CÍ' PrC-C,PμPNë PjC-CÍ'C†C-.

PkPμCÍ'CžPjC-CÍ'PSC-CÍ'C,CHb.

PkPμ CÍ'P»C-Pr P·PjC-C€CÍ'PIP°C,Pë P· C-PSC€PëPjPë P»C-PeP°CĤCÍ'CHbPePëPjPë
P·P°CÍ'PsP±P°PjPë, PeCĤC-Pj P»C-PeP°CĤCÍ'CHbPePëC... P·P°CÍ'PsP±C-PI, PIPeP°P·P°PSPëC... CÍ'
CĤPsP·PrC-P»C- B«PŷPíPsCÍ'C-P± P·P°CÍ'C,PSCÍ'CrPIP°PSPSCÍ' C,P° PrPsP·PëB».

PJPíP°PePsPIPeP°.

PŷPeP»CÍ'PSC- P°PjPíCÍ'P»Pë PíPs 20 PjP».

PμPs 2 P°PjPíCÍ'P»Pë CÍ' PePsPSC,CÍ'CĤPSC-PNë C†P°CĤCÍ'PSPePsPIC-PNë CÍ'PíP°PePsPIC†C-, PíPs 1
PePsPSC,CÍ'CĤPSC-PNë C†P°CĤCÍ'PSPePsPIC-PNë CÍ'PíP°PePsPIC†C- CÍ' PíP°C†C†C- P·
PeP°CĤC,PsPSCÍ'.

PμPs 5 P°PjPíCÍ'P» CÍ' PePsPSC,CÍ'CĤPSC-PNë C†P°CĤCÍ'PSPePsPIC-PNë CÍ'PíP°PePsPIC†C-, PíPs 2
PePsPSC,CÍ'CĤPSC- C†P°CĤCÍ'PSPePsPIC- CÍ'PíP°PePsPIPePë CÍ' PíP°C†C†C- P· PeP°CĤC,PsPSCÍ'.

PĤP°C,PμPiPsCĤC-CÍ' PIC-PrPíCÍ'CrPëCÍ'. P—P° CĤPμC†PμPíC,PsPj.

P'PëCĤPsP±PSPëPe.

PŷPhP' B«P®CĤC-CÍ'-PαP°CĤPjB».

**РњС-СГС†РμР·РSP°С...РsРгР¶РμРSPSCЦ РІРёСђРsР±РSPёРєР° С,Р°
Р°РгСђРμСГР° РjС-СГС†СЦ РіСђРsРІР°РгР¶РμРSPSCЦ РN°РsРiРs
РгС-СЦР»СђРSPsСГС,С-.**

РЈРєСђР°С—РSP°, 18030, Р§РμСђРєР°СГСђСђРєР° РsР±Р», Рj. Р§РμСђРєР°СГРё, РІСГР». РљРsР±Р·Р°СђСГСђСђРєР°, 108. РђРμР»: (044) 281-01-01.