

Р†РќРЎРЎР РЈРЉРІР†РЇ

**PrP»CЦ PjPμPrPëC±PSPsPiPs P•P°CíC,PsCíCřPIP°PSPSCЦ P»C-PeP°CЃCíCЃPePsPiPs
P•P°CíPsP±Cř**

$$P_h P_{\triangleright} P' P_h P' P_h P_{\text{ль}}$$

(ALVOBAC)

$P \dot{Y} P \in P \gg P^\circ P_\Gamma$:

$$\text{PrC}-\text{CHC}\ddagger\text{P}^\circ \text{ CH}_2\text{P}_{\mu}\text{C}\ddagger\text{PsPIP}\ddot{\text{e}}\text{PSP}^\circ: \text{C}\ddagger\text{P}_{\mu}\text{C}_{,,}\text{CCH}_2\text{P}\ddot{\text{e}}\text{P}^\circ\text{PeCl}'\text{PsPS};$$

1 C,,P»P°PePsPS PjC-Cl'C,PëC,CH C†PµC,,C,CHjPëP°PeCl'PsPSCr PrPëPSP°C,CHjC-CH
PiPµPjC-PiPµPiC,P°PiC-PrCHjP°C,Cr PµPePIC-PIP°P»PµPSC,PSPs C†PµC,,C,CHjPëP°PeCl'PsPSCr 1
Pi; PrPsPiPsPjC-P¶PSC- CHjPµC†PsPIPëPSPë: PIC-PrCl'CrC,PSC-.

P>C-PeP°CĤCĠCHPeP° C,,PsCĤPjP°. PĤPsCĤPsC€PsPe PrP»CĤ CĤPsP·C‡PëPSCĠ PrP»CĤ C-PSBĤ™ C''PeC†C-PNø.

$$\begin{aligned} & \text{PhClPSPsPIPSC- C}_{\text{„C-P-PePePs-C...C-PjC-C}\ddagger\text{PSC- PIP}}\gg\text{P}^{\circ}\text{Cl}^{\circ}\text{C,PePIPsCl}^{\circ}\text{C,C-:} \\ & \text{PeC}\ddagger\text{P}^{\circ}\text{PeCl}^{\circ}\text{C,P}^{\circ}\text{P}\gg\text{C-C}\ddagger\text{PSPePN}_{\text{e}}\text{PiPsC}\ddagger\text{PsC}\epsilon\text{PsPe PjP}^{\circ}\text{PN}_{\text{e}}\text{P}\ddagger\text{P}_{\text{u}}\text{P}\pm\text{C-P}\gg\text{PsPiPs P}^{\circ}\text{P}\pm\text{Ps} \\ & \text{P}\ddagger\text{PsPIC,CrPIP}^{\circ}\text{C,PsPiPs PePsP}\gg\text{CHbPsC}\ddagger\text{Cr}. \end{aligned}$$

P_αP°C₇P_jP°PePsC,P_μC₇P°P_iP_μPIC,PëC±PSP° PiC₇C₇P_iP°.

PhPSC, PēP±P°PeC, PμCḤC-P°P»CHpSC- P·P°CḟPsP±Pē PrP»Cḟ CḟPēCḟC, PμPjPSPsPiPs
P·P°CḟC, PsCḟCḟPIP°PSPSCḟ. P†PSC€C- P±PμC, P°-P»P°PeC, P°PjPSC- P°PSC, PēP±C-PsC, PēPePē.
P†PμC,, P°P»PsCḟPiPsCḤPēPSPē III PiPsPePsP»C-PSPSCḟ. P†PμC,, C, CḤPēP°PeCḟPsPS.
PḤPsPr PhPŷPΓ J01D D04.

PαP°CĤPjP°PePsP»PsPiC-C≠PSC- PIP»P°CĬC,PëPIPsCĬC,C-

$$P \propto P^{\circ} C_{\text{H}_2} P_j P^{\circ} P_e P_s P_r P_{\text{e}} P_s P^{\circ} P_j C - P_e P^{\circ}$$

P_HP_μC...P^oPSC-P·P_j P_ΓC-C—

$\text{P}_1\text{P}_m\text{C}_{,,}\text{C}, \text{CTJPeP}^\circ\text{PeClPsPS PiCTJPePiPSC-C}\ddagger\text{CrC'' Cl'PePSC,PuP}\cdot\text{PeP}\rangle\text{C-C,PePSPSPSc}-$
 $\text{Cl'C,C-PSPePe P}\pm\text{P}^\circ\text{PeC,PuCTJC-PN}_2\text{PiC-Cl'P}\rangle\text{ClJ PiCTJPeC''PrPSP}^\circ\text{PSPSClJ PrPs}$
 $\text{PiPuPSC-C}\ddagger\text{PeP}\rangle\text{C-PSPPiB}\overline{\text{T}}^{\text{TM}}\text{ClJP}\cdot\text{CrCTC}\ddagger\text{PeC... P}\pm\text{C-P}\rangle\text{PeC-Pi PJ CTJPuP}\cdot\text{CrP}\rangle\text{CHC,P}^\circ\text{C,C-}$
 $\text{PiCTJPePiPePSClJC''C,CHCl'ClJ P}\pm\text{C-PSCl'PePSC,PuP}\cdot\text{PeP}\rangle\text{C-C,PePSPSPSc}- \text{Cl'C,C-PSPePe}$
 $(\text{PiPuPiC,PePrPsPiP}\rangle\text{C-PeP}^\circ\text{PSCr}), \text{C}\%_{\text{o}}\text{Ps, Cr Cl'PIPsCTC C}\ddagger\text{PuCTJPiCr, PiCTJPeP}\cdot\text{PIPsPrPeC,CH PrPs}$
 $\text{P}\rangle\text{C-P}\cdot\text{PeCl'Cr P}\pm\text{P}^\circ\text{PeC,PuCTJC-P}^\circ\text{P}\rangle\text{CHPSPSc}- \text{PeP}\rangle\text{C-C,PePSPe C-C-C-P}\cdot\text{P}^\circ\text{PiPeP}\pm\text{PuP}\rangle\text{C-}.$

P PμP·PëCÍC,PμPSC,PSC-CÍC,CH

P°P°PeC,PμCȚC-P°P»CHBPSP° CȚPμP·PëCÍC,PμPSC,PSC-CÍC,CH PrPs
C†PμC,,C,CȚPëP°PeCÍPsPSCr PjPsP¶Pμ CȚPsP·PIPëPIP°C,PëCÍCȚ PIPSP°CÍP»C-PrPsPe PrC-C—
PsPrPSPsPiPs P°P±Ps PrPμPeC-P»CHPePsC... PjPμC...P°PSC-P·PjC-PI:

Б҂ӳБ В PiC-PrCȚPsP»C-P·Cr P±PμC,P°-P»P°PeC,P°PjP°P·P°PjPë, PIPeP»CHC†P°CHC†Pë
P±PμC,P°-P»P°PeC,P°PjP°P·Pë CȚPsP·C€PëCȚPμPSPsPiPs CÍP¶PμPeC,CȚP°,
PeP°CȚP±P°PiPμPSPμPjP°P·Pë C- C,,PμCȚPjPμPSC,Pë Amp C, CȚPeC- PjPsP¶CÍC,CH P±CrC,Pë
C-PSPrC†PePsPIP°PSC- P°P±Ps CÍC,C-PNëPePs PíCȚPëPiPSC-C†PμPSC- Cr PrPμCȚPePëC...
P°PμCȚPsP±PSPëC... PiCȚP°PjPSPμPiP°C,PëPIPSPëC... P±P°PeC,PμCȚC-PNë;

Б҂ӳБ В P·PSPëP¶PμPSPsC— P°C,,C-PSPSPsCÍC,C-
PiPμPSC-C†PëP»C-PSP·PIБ҂™ CȚP·CrCHC†PëC... P±C-P»PeC-PI PrPs
C†PμC,,C,CȚPëP°PeCÍPsPSCr;

Б҂ӳБ В PSPμPiCȚPsPSPëPePSPsCÍC,C- P·PsPIPSC-C€PSCȚPsC— PjPμPjP±CȚP°PSPë Cr
PiCȚP°PjPSPμPiP°C,PëPIPSPëC... P±P°PeC,PμCȚC-PNë;

Б҂ӳБ В P±P°PeC,PμCȚC-P°P»CHBPSPsPiPs PμC,,P»CHPeCÍPSPsPiPs PSP°CÍPsCÍP°.

P°CȚP°PSPëC†PSC- P·PSP°C†PμPSPSCȚ PiCȚPë PIPëP·PSP°C†PμPSPSC- C†CrC,P»PëPIPsCÍC,C-

P°CȚP°PSPëC†PSC- P·PSP°C†PμPSPSCȚ PjC-PSC-PjP°P»CHBPSPsC— C-PSPiC-P±CrCHC†PsC—
PePsPSC†PμPSC,CȚP°C†C-C— PIPëP·PSP°C†PμPSC- P,,PICȚPsPiPμPNëCÍCHPePëPj
PePsPjC-C,PμC,Psj C-P· C,PμCÍC,CrPIP°PSPSCȚ P°PSC,PëPjC-PeCȚPsP±PSPsC—
C†CrC,P»PëPIPsCÍC,C- (EUCAST):

PμP°C,PsPiPμPS	PμPμC,PsPr CȚPsP·PIPμPrPμPSCȚ (PjC-PSC-PjP°P»CHBPSP° C-PSPiC-P±CrCHC†P° PePsPSC†PμPSC,CȚP°C†C-CȚ, PjPi/P»)	
	PŞCrC,P»PëPIPNëP	P PμP·PëCÍC,PμPSC,PSPëPNë
<i>Enterobacteriaceae</i>	≤ 1	> 2
<i>Staphylococcus spp.</i>	^a	^a
<i>Streptococcus spp.</i> (PiCȚCrPiPë A, B, C C- G)	^b	^b
<i>Streptococcus pneumoniae</i>	≤ 0,5 ^c	> 2
<i>Streptococci</i> PiCȚCrPiPë Viridans	≤ 0,5	> 0,5
<i>Haemophilus influenzae</i>	≤ 0,12 ^c	> 0,12
<i>Moraxella catarrhalis</i>	≤ 1	> 2
<i>Neisseria gonorrhoeae</i>	≤ 0,12	> 0,12
<i>Neisseria meningitidis</i>	≤ 0,12 ^c	> 0,12
PkPμ PiPsPIБ҂™ CȚP·P°PSC- P· PIPëPrPsPj	≤ 1 ^d	> 2

^aБ В В P°PëCÍPSPsPiPsPe PiCȚPs C†CrC,P»PëPIC-CÍC,CH P·CȚPsP±P»PμPSPs PSP°
PsCÍPSPsPIC- C†CrC,P»PëPIPsCÍC,C- PrPs C†PμC,,PsPeCÍPëC,PëPSCr.

^bБ В В P°PëCÍPSPsPiPsPe PiCȚPs C†CrC,P»PëPIC-CÍC,CH P·CȚPsP±P»PμPSPs PSP°
PsCÍPSPsPIC- C†CrC,P»PëPIPsCÍC,C- PrPs PiPμPSC-C†PëP»C-PSCr.

^cБ В В P C-PrPePs P·CrCÍC,CȚC-C†P°CHC,CHCÍCȚ C-P·PsP»CȚC,Pë P·
PjC-PSC-PjP°P»CHBPSPsCH C-PSPiC-P±CrCHC†PsCH PePsPSC†PμPSC,CȚP°C†C-C"CH, C%Ps
PiPμCȚPμPIPëC%CrC" PiCȚP°PSPëC†PSC- P·PSP°C†PμPSPSCȚ C†CrC,P»PëPIPsCÍC,C-;

СІІРсС%оРс С,Р°РсРµµ СІРІРсСІСІС,РµСІСІС-РіР°С"С,СІСІСІСІС, СІР»С-РІ РіСІСРсРІРµСІС,Рё РіРсРІС,РсСІСРсРµµ С,РµСІСІС,СІРІР°РсРсСІСІС, Р° СІ СІСР°Р°С- РіС-РІС,РІРµСІСРІР°РµРсРсСІСІС вІС" РІС-РІРіСІСР°РІРёС,Рё СІ СІСРµС,РµСІСРµРсС,РсСІ Р»Р°Р±РсСІСР°С,РсСІС-СІ.

ᵀ В В В Р"СІСР°РсРёС±РсС- Р·РсР°С±РµРсРсСІС СІС,РсСІСІСІС,СІСІСІСІС РІРсР±РсРІРсС— РІРсСІС,СІС-СёРсСІСРсРІРµРсРсС— РІРсР·Рё 1 Рі × 1 С- РІРёСІРсРсРсС— РІРсР·Рё С%оРсРсР°РµРјРµРсСёРµ 2 Рі × 1.

Р—Р°РіР°Р»Р»РсРј С±С±С,Р»РёРІС- РІРёРІРё

Р"СІСР°РјРіРіРсР·РёС,РёРІРсС- Р°РµСІСРсР±Рё

Staphylococcus aureus (РјРµС,РёСІРёР»С-РсРсС±СІС,Р»РёРІРёРµ)ᵀ,
РсРсР°РіСІР»Р°Р·РсРсРµРіР°С,РёРІРсС- СІС,Р°С,С-Р»РсРсРсРё
(РјРµС,РёСІРёР»С-РсРсС±СІС,Р»РёРІС-),^ᵀ *Streptococcus pyogenes* (РіСІСІРіРё Рі),
Streptococcus agalactiae (РіСІСІРіРё Р'), *Streptococcus pneumoniae*, *Streptococci* РіСІСІРіРё
Viridans.

Р"СІСР°РјРсРµРіР°С,РёРІРсС- Р°РµСІСРсР±Рё

Borrelia burgdorferi, *Haemophilus influenzae*, *Haemophilus parainfluenzae*, *Moraxella catarrhalis*,
Neisseria gonorrhoeae, *Neisseria meningitidis*, *Proteus mirabilis*, *Providencia spp.*, *Treponema pallidum*.

Р'РёРІРё, РІР»СІ СІРсРёС... РсР°Р±С±С,Р° СІСРµР·РёСІС,РµРсС,РсС-СІС,СІ РјРсРµРµ
Р±С±С,Рё РіСІСРсР±Р»РµРµРµРµРµ

Р"СІСР°РјРіРіРсР·РёС,РёРІРсС- Р°РµСІСРсР±Рё

Staphylococcus epidermidis, *Staphylococcus haemolyticus*, *Staphylococcus hominis*.

Р"СІСР°РјРсРµРіР°С,РёРІРсС- Р°РµСІСРсР±Рё

Citrobacter freundii, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Escherichia coli*%, *Klebsiella pneumoniae*%, *Klebsiella oxytoca*%, *Morganella morganii*, *Proteus vulgaris*, *Serratia marcescens*.
АРсР°РµСІСРсР±Рё

Bacteroides spp., *Fusobacterium spp.*, *Peptostreptococcus spp.*, *Clostridium perfringens*.
РµРсС±Р°С,РсРсРІРс СІСРµР·РёСІС,РµРсС,РсС- РјС-РсСІСРсСІРіРіР°РсС-Р·РіРё

Р"СІСР°РјРіРіРсР·РёС,РёРІРсС- Р°РµСІСРсР±Рё

Enterococcus spp., *Listeria monocytogenes*.

Р"СІСР°РјРсРµРіР°С,РёРІРсС- Р°РµСІСРсР±Рё

Acinetobacter baumannii, *Pseudomonas aeruginosa*, *Stenotrophomonas maltophilia*.

АРсР°РµСІСРсР±Рё

Clostridium difficile

РІРсСёС-:

Chlamydia spp., Chlamydophila spp., Mycoplasma spp., Legionella spp., Ureaplasma urealyticum.

[£] P'CTC- PjPμC, PēC†PēP»C- PSPsCTHPμP·PēCTC, PμPSC, PSC- CTC, P°C,, C-P»PsPePsPePē CTHPμP·PēCTC, PμPSC, PSC- PrPs C†PμC,, C, CTHPēP°PeCTPsPSCr.

PSP°CTC, PsC, P° CTHPμP·PēCTC, PμPSC, PSPsCTC, C- > 50 % C°PsPSP°PNēPjPμPSC€Pμ PI PsPrPSPsPjCr CTHPμPiC-PsPSC-.

[%] PēC, P°PjPē, C°Ps PīCTHPsPrCrPeCrCTC, CH P±PμC, P°-P»P°PeC, P°PjP°P·Cr CTHPsP·CēPēCTHPμPSPsPiPs CT†PμPeC, CTHP°, P·P°PIP¶PrPē CTHPμP·PēCTC, PμPSC, PSC-.

PαP°CTHPjP°PePsPeC-PSPμC, PēPeP°

P'CT†PjPsPeC, CrPIP°PSPSC¶

P'PSCžC, CTHC-CēPSCHBPsPjēTj™ C¶P·PsPIPμ PIPμPrPμPSPSC¶

PμC-CTP»C¶ PIPSCrC, CTHC-CēPSCHBPsPjēTj™ C¶P·PsPIPμC— C-PSBj™C"PeC†C-C— CT†PμCTHPμPrPSC-PNē PīC-PePsPIPēPNē CTHC-PIPμPSCHB C†PμC,, C, CTHPēP°PeCTPsPSCr Cr PīP»P°P·PjC- PeCTHPsPIC- CTC, P°PSPsPIPēC, CH PīCTHPēP±P»PēP·PSPs PīPsP»PsPIPēPSCr PIC-Pr C, P°PePsPiPs, C°Ps CT†PμPsCTC, PμCTHC-PiP°C"C, CHCTC¶ PīC-CTP»C¶ PIPSCrC, CTHC-CēPSCHBPsPIPμPSPSPsPiPs PIPμPrPμPSPSC¶ PμPePIC-PIP°P»PμPSC, PSPsC— PrPsP·Pē. PμP°PeCT†PēPjP°P»CHPSP° PePsPSC†PμPSC, CTHP°C†C-C¶ Cr PīP»P°P·PjC- PeCTHPsPIC- PīC-CTP»C¶ PsPrPSPsCTHP°P·PsPIPμPiPs PIPSCrC, CTHC-CēPSCHBPsPjēTj™ C¶P·PsPIPμPiPs PIPμPrPμPSPSC¶ 1 Pi PīCTHPμPīP°CTHP°C, Cr CTC, P°PSPsPIPēC, CH 81 PjPi/P» C, P° PrPsCTC¶PiP°C"C, CHCTC¶ C†PμCTHPμP· 2-3 PiPsPrPēPSPē PīC-CTP»C¶ PIPμPrPμPSPSC¶. PμP»PsC°P° PīC-Pr PeCTHPēPIPsCT B«PePsPSC†PμPSC, CTHP°C†C-C¶-C†P°CTB» Cr PīP»P°P·PjC- PeCTHPsPIC- PīC-CTP»C¶ PIPSCrC, CTHC-CēPSCHBPsPjēTj™ C¶P·PsPIPμPiPs PIPμPrPμPSPSC¶ PrPsCTHC-PIPSC"C C, P°PeC-PNē PīC-CTP»C¶ PIPSCrC, CTHC-CēPSCHBPsPIPμPSPSPsPiPs PIPμPrPμPSPSC¶ PμPePIC-PIP°P»PμPSC, PSPsC— PrPsP·Pē.

P'PSCžC, CTHC-CēPSCHBPsPIPμPSPSPμ PIPμPrPμPSPSC¶

PμC-CTP»C¶ PIPSCrC, CTHC-CēPSCHBPsPIPμPSPSPsPiPs P±PsP»CTCTPSPsPiPs PIPμPrPμPSPSC¶ C†PμC,, C, CTHPēP°PeCTPsPSCr Cr PrPsP·C- 1 Pi CT†PμCTHPμPrPSC-PNē PīC-PePsPIPēPNē CTHC-PIPμPSCHB C†PμC,, C, CTHPēP°PeCTPsPSCr Cr PīP»P°P·PjC- PeCTHPsPIC- CTC, P°PSPsPIPēC, CH PīCTHPēP±P»PēP·PSPs 200 PjPi/P». PμC-CTP»C¶ PIPSCrC, CTHC-CēPSCHBPsPIPμPSPSPsC— C-PSC,, CrP·C-C— C†PμC,, C, CTHPēP°PeCTPsPSCr Cr PrPsP·C- 1 Pi CTHC-PIPμPSCHB C†PμC,, C, CTHPēP°PeCTPsPSCr Cr PīP»P°P·PjC- PeCTHPsPIC- CTC, P°PSPsPIPēC, CH PīCTHPēP±P»PēP·PSPs 150 PjPi/P».

P PsP·PīPsPrC-P»

PμP±Bj™C"Pj CTHPsP·PīPsPrC-P»Cr C†PμC,, C, CTHPēP°PeCTPsPSCr CTC, P°PSPsPIPēC, CH 7Bj"12 P». PμPsPSC†PμPSC, CTHP°C†C-C—, C°Ps PSP°P±P°PiP°C, Ps PīPμCTHPμPIPēC°CrCTC, CH PjC-PSC-PjP°P»CHPSC- PīCTHPēPiPSC-C†CrPIP°P»CHPSC- PePsPSC†PμPSC, CTHP°C†C-C— PrP»C¶ P±C-P»CHCēPsCTC, C- P·PSP°C†CrC°PēC... P·P±CrPrPSPēPeC-PI C-PSC,, PμPeC†C-PNē, PIPēC¶PIP»C¶CTC, CHCTC¶ Cr C, PeP°PSPēPSP°C..., PIPeP»CTC†P°CTC†Pē P»PμPiPμPSC-, CT†PμCTHC†Pμ, P¶PsPIC†PsPIPēPIC-PrPSC- CēP»C¶C...Pē, PīPμC†C-PSPeCr, PjPēPiPrP°P»PēPePē, CT†PμCTHPμPrPSC" PICrC...Ps C, P° CT†P»PēP·PsPICr PSPsCTP°, PeC-CTC, PePē, P° C, P°PePsP¶ CT†PēPSPSPsPjPsP·PePsPICr, PīP»PμPICCTHP°P»CHPSCr C, P° CT†PēPSPsPIC-P°P»CHPSCr

PSP°PīC-PIPIPēPIPμPrPμPSPSCī C†PμC,,C,ČĤPēP°PeCīPsPSCř Cř PrPsČĤPsCīP»PēC...
CīC,P°PSPsPIPēC,ČĤ P±P»PēP·ČĤPePs 8 PiPsPrPēPS.

PμP°C†C-C''PSC,Pē C-P· PSPēČĤPePsPIPsČĤ P°P±Ps PīPμC‡C-PSPePsPIPsČĤ
PSPμPrPsCīC,P°C,PSC-CīC,ČĤ

PJ PīP°C†C-C''PSC,C-PI C-P· PīPsČĤCřCēPμPSPSCīPjPē C,,CřPSPeC†C-C— PSPēČĤPsPe P°P±Ps
PīPμC‡C-PSPePē C,,P°ČĤPjP°PePsPeC-PSPμC,PēPeP° C†PμC,,C,ČĤPēP°PeCīPsPSCř
P·PjC-PSČĤC''C,ČĤCīCī PSPμP·PSP°C‡PSPsČĤ PjC-ČĤPsČĤ, PIC-PrP·PSP°C‡P°C''C,ČĤCīCī
P»PēCēPμ PSPμP·PSP°C‡PSPμ P·P±C-P»ČĤCēPμPSPSCī PīPμČĤC-PsPrCř
PSP°PīC-PIPIPēPIPμPrPμPSPSCī (PjPμPSCēPμ PSC-P¶ Cř 2 ČĤP°P·Pē), PSP°PIC-C,ČĤ Cř
PīP°C†C-C''PSC,C-PI C-P· C,CīP¶PePēPjPē PīPsČĤCřCēPμPSPSCīPjPē C,,CřPSPeC†C-C—
PSPēČĤPsPe.

P'C-PrPSPsCīPSPs PīPsPjC-ČĤPSPμ P·P±C-P»ČĤCēPμPSPSCī PīPμČĤC-PsPrCř
PSP°PīC-PIPIPēPIPμPrPμPSPSCī PīČĤPē PīPsČĤCřCēPμPSPSC- C,,CřPSPeC†C-C— PSPēČĤPsPe
PīPsCīCīPSCĤC''C,ČĤCīCī PePsPjPīPμPSCīP°C,PsČĤPSPēPj P·P±C-P»ČĤCēPμPSPSCīPj
PīPsP·P°PSPēČĤPePsPIPsPiPs PeP»C-ČĤPμPSCīCř Cř ČĤPμP·CřP»ČĤC,P°C,C-
P·PjPμPSCēPμPSPSCī P·PiBĤ™ CīP·CřPIP°PSPSCī P· P±C-P»PeP°PjPē PeČĤPsPIC- C-
PIC-PrPīPsPIC-PrPSPēPj P·P±C-P»ČĤCēPμPSPSCīPj PīPsP·P°PSPēČĤPePsPIPsPiPs
PeP»C-ČĤPμPSCīCř P·P°PīP°P»ČĤPSPsPiPs C†PμC,,C,ČĤPēP°PeCīPsPSCř.

PJ PīP°C†C-C''PSC,C-PI C-P· PīPsČĤCřCēPμPSPSCīPjPē C,,CřPSPeC†C-C— PīPμC‡C-PSPePē
PīPμČĤC-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSCī C†PμC,,C,ČĤPēP°PeCīPsPSCř PSPμ
P·P±C-P»ČĤCēCřC''C,ČĤCīCī Cř P·PiBĤ™ CīP·PeCř P· PePsPjPīPμPSCīP°C,PsČĤPSPēPj
P·P±C-P»ČĤCēPμPSPSCīPj PSPēČĤPePsPIPsPiPs PeP»C-ČĤPμPSCīCř.
PīPμ PIC-PrP±CřPIP°C''C,ČĤCīCī C,P°PePsP¶ Cř ČĤPμP·CřP»ČĤC,P°C,C-
P·P±C-P»ČĤCēPμPSPSCī PIC-P»ČĤPSPsC— C,,ČĤP°PeC†C-C— C†PμC,,C,ČĤPēP°PeCīPsPSCř Cř
PīP»P°P·PjC- PeČĤPsPIC-, C%Ps CīPīČĤPēCīC'' PIPēPrPēPjPsPjCř
PīP°ČĤP°PrPsPeCīP°P»ČĤPSPsPjCř P·P±C-P»ČĤCēPμPSPSCĤ P·P°PīP°P»ČĤPSPsPiPs
PeP»C-ČĤPμPSCīCř PīČĤPμPīP°ČĤP°C,Cř P·C- P·P±C-P»ČĤCēPμPSPSCīPj PsP±BĤ™ C''PjCř
ČĤPsP·PīPsPrC-P»Cř PīP°ČĤP°P»PμP»ČĤPSPs C,P°PePsPjCř P·P°PīP°P»ČĤPSPsPiPs
PeP»C-ČĤPμPSCīCř.

PμP°C†C-C''PSC,Pē P»C-C,PSČĤPsPiPs PIC-PeCž

PJ PīP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 75 ČĤPsPeC-PI CīPμČĤPμPrPSC-PNē PīPμČĤC-PsPr
PSP°PīC-PIPIPēPIPμPrPμPSPSCī P·P°P·PIPēC‡P°PNē Cř 2BĤ''3 ČĤP°P·Pē PIPēC%PēPNē, PSC-P¶ Cř
PrPsČĤPsCīP»PēC... PjPsP»PsPrPsPiPs PIC-PeCř.

P''C-C,Pē

PμPμČĤC-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSCī C†PμC,,C,ČĤPēP°PeCīPsPSCř
PīPsPrPsPIP¶PμPSPēPNē Cř PSPsPIPsPSP°ČĤPsPrP¶PμPSPēC... PIC-PePsPj PrPs 14 PrPSC-PI.
P C-PIPμPSCĤ PIC-P»ČĤPSPsPiPs C†PμC,,C,ČĤPēP°PeCīPsPSCř PjPsP¶Pμ PSP°PrP°P»C-
P·ČĤPsCīC,P°C,Pē Cř ČĤPμP·CřP»ČĤC,P°C,C- PrC-C— C,P°PePēC... C,,P°PeC,PsČĤC-PI CīPe
P·PjPμPSCēPμPSPSCī PeP»CřP±PsC‡PePsPIPsC— C,,C-P»ČĤC,ČĤP°C†C-C— C-
PīPsČĤCřCēPμPSPSCī P·PiBĤ™ CīP·CřPIP°PSPSCī P· P±C-P»PeP°PjPē PeČĤPsPIC-. PJ
PrC-C,PμPNē PīPμČĤC-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSCī PjPμPSCēPēPNē, PSC-P¶ Cř
PSPsPIPsPSP°ČĤPsPrP¶PμPSPēC... P°P±Ps PrPsČĤPsCīP»PēC....

PμP»P°P·PjPsPIPēPNē PeP»C-ČĤPμPSCī C- PsP±BĤ™ C''Pj ČĤPsP·PīPsPrC-P»Cř

P·P°PiP°P»CHbPSPsPiPs C†PμC,,C,CHjPëP°PeCÍPsPSCr PIPëC%oC- Cr
PSPsPiPsPSP°CHjPsPrP¶PμPSPëC..., PSPμPjPsPIP»CÍC, C- PrC-C,PμPNë, PSC-P¶ Cr
PrPsCHjPsCÍP»PëC....

P>C-PSC-PNëPSC-CÍC,CHb / PSPμP»C-PSC-PNëPSC-CÍC,CHb

PαP°CHjPjP°PePsPeC-PSPμC,PëPeP° C†PμC,,C,CHjPëP°PeCÍPsPSCr C" PSPμP»C-PSC-PNëPSPsCH,
C- PICÍC- PsCÍPSPsPIPSC- C,,P°CHjPjP°PePsPeC-PSPμC,PëC†PSC- PiP°CHjP°PjPμC,CHjPë, P·P°
PIPëPSCÍC,PePsPj PiPμCHjC-PsPrCr PSP°PiC-PIPIPëPIPμPrPμPSPSCÍ, P·P°P»PμP¶P°C,CHb PIC-Pr
PrPsP·Pë, C%oPs P±P°P·CrC"C,CHbCÍCÍ PSP° P·P°PiP°P»CHbPSC-PNë
PePsPSC†PμPSC,CHjP°C†C-C— PiCHjPμPiP°CHjP°C,Cr, P·PjPμPSC€CrCHC†PëCÍCHb PjPμPSC€Pμ
PSC-P¶ PiCHjPsPiPsCHjC†C-PNëPSPs PrPsP·C-. PkPμP»C-PSC-PNëPSC-CÍC,CHb
CÍPiPsCÍC,PμCHjC-PiP°C"C,CHbCÍCÍ Cr CHjPμP·CrP»CHbC,P°C,C- PSP°CÍPëC†PμPSPSCÍ
P·PiBh™ CÍP·CÍPIP°PSPSCÍ P· P±C-P»PeP°PjPë PiP»P°P·PjPë PeCHjPsPIC-, C,PsPjCr PrP»CÍ
P·P°PiP°P»CHbPSPsPiPs C†PμC,,C,CHjPëP°PeCÍPsPSCr C†Pμ CÍPiPsCÍC,PμCHjC-PiP°C"C,CHbCÍCÍ
Cr PiP»P°P·PjC- PeCHjPsPIC-, P° PrP»CÍ PIC-P»CHbPSPsPiPs (PSPμP·PiBh™ CÍP·P°PSPsPiPs) Bh"
PSC-.

PαP°CHjPjP°PePsPeC-PSPμC,PëC†PSPëPNë / C,,P°CHjPjP°PePsPrPëPSP°PjC-C†PSPëPNë
PIP·P°C"PjPsP·PiBh™ CÍP·PsPe

PİPe C- PI C-PSC€PëC... P±PμC,P°-P»P°PeC,P°PjC-PI, C,,P°CHjPjP°PePsPeC-PSPμC,PëC†PSPëPNë /
C,,P°CHjPjP°PePsPrPëPSP°PjC-C†PSPëPNë C-PSPrPμPeCÍ, CÍPePëPNë PrPμPjPsPSCÍC,CHjCrC"
PSP°PNëPeCHjP°C%oCr PePsCHjPμP»CÍC†C-CH P· PμC,,PμPeC,PëPIPSC-CÍC,CHb in vivo, C"
PIC-PrCÍPsC,PsPe C-PSC,PμCHjPIP°P»Cr PrPsP·CÍPIP°PSPSCÍ, PiCHjPë CÍPePsPjCr
PSPμP·PiBh™ CÍP·P°PSP° PePsPSC†PμPSC,CHjP°C†C-CÍ P·P°P»PëC€P°C"C,CHbCÍCÍ PIPëC%oPμ
PjC-PSC-PjP°P»CHbPSPsC— C-PSPiC-P±CrCHC†PsC— PePsPSC†PμPSC,CHjP°C†C-C—
C†PμC,,C,CHjPëP°PeCÍPsPSCr PrP»CÍ PsPeCHjPμPjPëC... C†C-P»CHbPsPIPëC... PIPëPrC-PI
(C,PsP±C,Ps % T > PjC-PSC-PjP°P»CHbPSPsC— C-PSPiC-P±CrCHC†PsC—
PePsPSC†PμPSC,CHjP°C†C-C—).

PμP»C-PSC-C†PSC- C...P°CHjP°PeC,PμCHjPëCÍC,PëPePë

PμPsPeP°P·P°PSPSCÍ

P>C-PeCrPIP°PSPSCÍ PSPëP¶C†PμPIPeP°P·P°PSPëC... C-PSC,,PμPeC†C-PNë Cr
PrPsCHjPsCÍP»PëC... C- PrC-C,PμPNë, Cr C,PsPjCr C†PëCÍP»C- Cr PrPsPSPsC€PμPSPëC...
PSPsPiPsPSP°CHjPsPrP¶PμPSPëC... (PIC-Pr PSP°CHjPsPrP¶PμPSPSCÍ):

Bh" P±P°PeC,PμCHjC-P°P»CHbPSPëPNë PjPμPSC-PSPiC-C,;

Bh" PiPsP·P°P»C-PeP°CHjPSCÍPSP° PiPSPμPIPjPsPSC-CÍ;

Bh" PiPsCÍPiC-C,P°P»CHbPSP° PiPSPμPIPjPsPSC-CÍ;

Bh" PiPsCÍC,CHjPëPNë CÍPμCHjPμPrPSC-PNë PsC,PëC,;

Bh" PIPSCrC,CHjC-C€PSCHbPsC†PμCHjPμPIPSC- C-PSC,,PμPeC†C-C—;

Bh" CrCÍPeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-C— CÍPμC†PsPIPëPIC-PrPSPëC...
C€P»CÍC...C-PI (PIPeP»CHC†P°CHC†Pë PiC-C"P»PsPSPμC,,CHjPëC,);

БҲ“ C-PSC,,PμPeC†C-C— PeC-CГC,PsPe C- CГCрPiP»PsP±C-PI;

БҲ“ CрCГPeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-C— C€PeC-CҲPө C- PjБҲ™ CμPePөC... C,PeP°PSPөPS;

БҲ“ PiPsPSPsCҲPμCμ;

БҲ“ CГPөC,,C-P»C-CГ;

БҲ“ P±P°PeC,PμCҲC-P°P»CHPSPөPNө PμPSPPrPsPeP°CҲPrPөC,.

PҲP»PIPsP±P°Pe PjPsP¶PSP° P·P°CГC,PsCГPsPICрPIP°C,Pө PrP»Cμ;

БҲ“ P»C-PeCрPIP°PSPSCμ PiPsCГC,CҲPsPiPs CрCГPeP»P°PrPSPμPSPSCμ C...CҲPsPSC-C†PSPsC— PsP±CГC,CҲCрPeC,PөPIPsC— C...PIPsCҲPsP±Pө P»PμPiPμPSCҲ Cр PrPsCҲPsCГP»PөC...;

БҲ“ P»C-PeCрPIP°PSPSCμ PrPөCГPμPjC-PSPsPIP°PSPsPiPs P±PsCҲPμP»C-PsP·Cр P>P°PNөPjP° (CҲP°PSPSCҲPsPiPs (P†P† CГC,P°PrC-Cμ) C- PiC-P·PSCҲPsPiPs (P†P†P† CГC,P°PrC-Cμ)) Cр PrPsCҲPsCГP»PөC... C- PrC-C,PμPNө, PIPeP»CҲC†P°CҲC†Pө PSPsPIPsPSP°CҲPsPrP¶PμPSPөC... PIC-PePsPj PIC-Pr 15 PrPSC-PI;

БҲ“ PiPμCҲPμPrPsPiPμCҲP°C†C-PNөPSPsC— PiCҲPsC,,C-P»P°PeC,PөPePө C-PSC,,PμPeC†C-PNө Cр PjC-CГC†C- C...C-CҲCрCҲPiC-C†PSPsPiPs PIC,CҲCрC†P°PSPSCμ;

БҲ“ PIPμPrPμPSPSCμ PiP°C†C-C”PSC,C-PI C-P· PSPμPNөC,CҲPsPiPμPSC-C”CҲ, Cр CμPePөC... CҲPsP·PIPөPSCрP»P°CГCμ PiP°CҲCμC†PeP° P· PiC-PrPsP·CҲPsCҲ PSP° P±P°PeC,PμCҲC-P°P»CHPSCр C-PSC,,PμPeC†C-CҲ;

БҲ“ P»C-PeCрPIP°PSPSCμ PiP°C†C-C”PSC,C-PI C-P· P±P°PeC,PμCҲC-C”PjC-C”CҲ, CμPeP° PIPөPSPөPeP»P° Cр P·PiБҲ™ CμP·PeCр P· P±CрPrCH-CμPePsCҲ C-P· PIPөC%PμP·P°P·PSP°C†PμPSPөC... C-PSC,,PμPeC†C-PNө P°P±Ps CμPeC%Ps C” PiC-PrPsP·CҲP° PSP° P±CрPrCH-CμPeCр C-P· PIPөC%PμP·P°P·PSP°C†PμPSPөC... C-PSC,,PμPeC†C-PNө.

PҲP»PIPsP±P°Pe CГP»C-Pr PiCҲPөP·PSP°C†P°C,Pө CҲP°P·PsPj P· C-PSC€PөPjPө P°PSC,PөP±P°PeC,PμCҲC-P°P»CHPSPөPjPө PiCҲPμPiP°CҲP°C,P°PjPө Cр CҲP°P·C-, CμPeC%Ps PjPsP¶P»PөPIPөPNө PrC-P°PiP°P·PsPS P±P°PeC,PμCҲC-P°P»CHPSPөC... P·P±CрPrPSPөPeC-PI PSPμ PiC-PrPiP°PrP°C” PiC-Pr PNөPsPiPs CГPiPμPeC,CҲ PrC-C— (PrPөPI. CҲPsP·PrC-P» B«PhCГPsP±P»PөPIPsCГC,C- P·P°CГC,PsCГCрPIP°PSPSCμB»).

PҲP»C-Pr P±CҲP°C,Pө PrPs CрPIP°PiPө PsC,,C-C†C-PNөPSC- CҲPμPePsPjPμPSPPrP°C†C-C— C%PsPrPs PIC-PrPiPsPIC-PrPSPsPiPs P·P°CГC,PsCГCрPIP°PSPSCμ P°PSC,PөP±P°PeC,PμCҲC-P°P»CHPSPөC... P·P°CГPsP±C-PI.

PμCҲPsC,PөPiPsPeP°P·P°PSPSCμ

PμC-PrPIPөC%PμPSP° C†CрC,P»PөPIC-CГC,CH PrPs C†PμC,,C,CҲPөP°PeCГPsPSCр P°P±Ps PrPs P±CрPrCH-CμPePsPiPs C-PSC€PsPiPs C†PμC,,P°P»PsCГPiPsCҲPөPSCр. PќP°CμPIPsC-CГC,CH PI P°PSP°PjPSPμP·C- C,CμP¶PePөC... CҲPμP°PeC†C-PNө PiC-PrPIPөC%PμPSPsC— C†CрC,P»PөPIPsCГC,C- (PSP°PiCҲPөPeP»P°Pr P°PSP°C,,C-P»P°PeC,PөC†PSPөC... CҲPμP°PeC†C-PNө) PrPs P±CрPrCH-CμPePsPiPs C-PSC€PsPiPs C,PөPiCр P±PμC,P°-

P PsP·C‡PëPSPSPëPePë, C%ooPs PjC-Cl'C,CllC,CH PeP°P»CHC†C-PNë, C,P°PeC- ClPe
CḡPsP·C‡PëPS P C-PSPiPμCḡP° P°P±Ps CḡPsP·C‡PëPS P°P°CḡC,PjP°PSP°, PSPμ ClP»C-Pr
PIPëPePsCḡPëCf'C,PsPICf'PIP°C,Pë PrP»ClI PIC-PrPSPsPIP»PμPSPSClI PīCḡPμPīP°CḡP°C,Cf
PhP»PIPsP±P°Pe Cf C.,P»P°PePsPSP°C... P°P±Ps PrP»ClI PīPsPrP°P»CHC€PsPiPs

CḡPsP·PIPμPrPμPSPSCḡ PIC-PrPSPsPIP»PμPSPsPiPs CḡPsP·C‡PēPSCr PrP»Cḡ
 PIPSCrC,CḡC-CēPSCḡPsPIPμPSPSPsPiPs PIPμPrPμPSPSCḡ, PsCḡPeC-P»CḡPePē PjPsPḡPμ
 CḡC,PIPsCḡPēC,PēCḡCḡ PīCḡPμC‡PēPīC-C,P°C,.. PμCḡPμC‡PēPīC-C,P°C,Pē
 PeP°P»CḡC‡C-C”PIPsC— CḡPsP»C- C‡PμC,,C,CḡPēP°PeCḡPsPSCr C,P°PePsPḡ PjPsPḡCḡC,Cḡ
 CḡC,PIPsCḡCḡPIP°C,PēCḡCḡ PīCḡPē P·PjC-CēCḡPIP°PSPSC- C‡PμC,,C,CḡPēP°PeCḡPsPSCr C-P·
 PeP°P»CḡC‡C-PNēPIPjC-CḡPSPēPjPē CḡPsP·C‡PēPSP°PjPē PI PsPrPSC-PNē
 C-PSC,,CḡP·C-PNēPSC-PNē CḡPēCḡC,PμPjC-. PḡPμC,,C,CḡPēP°PeCḡPsPS PSPμ PjPsPḡPSP°
 PIPμPsPrPēC,Pē PsPrPSPsC‡P°CḡPSPs P· CḡPsP·C‡PēPSP°PjPē PrP»Cḡ
 PIPSCrC,CḡC-CēPSCḡPsPIPμPSPSPsPiPs PIPμPrPμPSPSCḡ, C%Ps PjC-CḡC,CḡC,Cḡ
 PeP°P»CḡC‡C-PNē, Cḡ C,PsPjCḡ C‡PēCḡP»C- P· PeP°P»CḡC‡C-PNēPIPjC-CḡPSPēPjPē
 CḡPsP·C‡PēPSP°PjPē PrP»Cḡ C,CḡPēPIP°P»PēC... C-PSC,,CḡP·C-PNē, C,P°PePēPjPē CḡPe
 CḡPsP·C‡PēPSPē PrP»Cḡ PīP°CḡPμPSC,PμCḡP°P»CḡPSPsPiPs C...P°CḡC‡CḡPIP°PSPSCḡ, P·P°
 PrPsPīPsPjPsPiPsCḡ Y-PīPsPrC-P±PSPsC— CḡPēCḡC,PμPjPē. PhPrPSP°Pe CḡPμCēC,C-
 PīP°C‡C-C”PSC,C-PI, PeCḡC-Pj PSPsPIPsPSP°CḡPsPrPḡPμPSPēC..., C‡PμC,,C,CḡPēP°PeCḡPsPS
 C,P° PeP°P»CḡC‡C-PNēPIPjC-CḡPSC- CḡPsP·C‡PēPSPē PjPsPḡPSP° PIPμPsPrPēC,Pē
 PīPsCḡP»C-PrPsPIPSPs, PsPrPēPS PīC-CḡP»Cḡ PsPrPSPsPiPs, CḡPeC%Ps PjC-Pḡ
 C-PSC,,CḡP·C-CḡPjPē CḡPμC,PμP»CḡPSPs PīCḡPsPjPēC,Pē CḡPēCḡC,PμPjCḡ CḡCḡPjC-CḡPSPsCḡ
 CḡC-PrPēPSPsCḡ. Pj PrPsCḡP»C-PrPḡPμPSPSCḡC... C-n vitro C-P·
 PIPēPePsCḡPēCḡC,P°PSPSCḡPj PīP»P°P·PjPē PīCḡPīPsPIPēPSPSPsC— PeCḡPsPIC-
 PrPsCḡPsCḡP»PēC... C,P° PSPsPIPsPSP°CḡPsPrPḡPμPSPēC... P±CḡP»Ps PīPsPeP°P·P°PSPs, C%Ps
 Cḡ PSPsPIPsPSP°CḡPsPrPḡPμPSPēC... C-CḡPSCrC” PīC-PrPIPēC%PμPSPēPNē CḡPēP·PēPe
 CḡC,PIPsCḡPμPSPSCḡ PīCḡPμC‡PēPīC-C,P°C,C-PI PeP°P»CḡC‡C-C”PIPsC— CḡPsP»C-
 C‡PμC,,C,CḡPēP°PeCḡPsPSCr (PrPēPI. CḡPsP·PrC-P»Pē B«PμCḡPsC,PēPīPsPeP°P·P°PSPSCḡB»,
 B«PhCḡPsP±P»PēPIPsCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡB», B«PḡPīPsCḡC-P±
 P·P°CḡC,PsCḡCḡPIP°PSPSCḡ C,P° PrPsP·PēB», B«PμPsP±C-C‡PSC- CḡPμP°PeC‡C-C—B»,
 B«PḡPμCḡCḡPjC-CḡPSC-CḡC,CḡB»).

PḡCḡPjC-CḡPSPμ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ PīCḡPμPīP°CḡP°C,Cḡ P·
 PīPμCḡPsCḡP°P»CḡPSPēPjPē P°PSC,PēPePsP°PīCḡP»CḡPSC,P°PjPē PjPsPḡPμ
 PīPsCḡPēP»CḡPIP°C,Pē PμC,,PμPeC, P°PSC,P°PīPsPSC-CḡC,P° PIC-C,P°PjC-PSCr Pḡ C,P°
 CḡPēP·PēPe PeCḡPsPIPsC,PμC‡C-. P PμPePsPjPμPSPPrCḡC”C,CḡCḡCḡ C‡P°CḡC,Ps
 PīPμCḡPμPIC-CḡCḡC,Pē PjC-PḡPSP°CḡPsPrPSPμ PSPsCḡPjP°P»C-P·PsPIP°PSPμ
 CḡPīC-PIPIC-PrPSPsCēPμPSPSCḡ C,P° PSP°P»PμPḡPSPēPj C‡PēPSPsPj PePsCḡPμPīCḡPIP°C,Pē
 PrPsP·Cḡ P°PSC,P°PīPsPSC-CḡC,P° PIC-C,P°PjC-PSCr Pḡ CḡPe PīC-Pr C‡P°Cḡ, C,P°Pe C-
 PīC-CḡP»Cḡ C,PμCḡP°PīC-C— C‡PμC,,C,CḡPēP°PeCḡPsPSPsPj (PrPēPI. CḡPsP·PrC-P»
 B«PμPsP±C-C‡PSC- CḡPμP°PeC‡C-C—B»).

P‡CḡPSCrCḡC,Cḡ CḡCḡPīPμCḡPμC‡P»PēPIC- PrP°PSC- C%PsPrPs PīPsC,PμPSC‡C-PNēPSPsPiPs
 PīPsCḡPēP»PμPSPSCḡ C,PsPeCḡPēC‡PSPsPiPs PIPμP»PēPICr P°PjC-PSPsPiP»C-PePsP·PēPrC-PI
 PSP° PSPēCḡPePē PīCḡPē C—C... P·P°CḡC,PsCḡCḡPIP°PSPSC- CḡP°P·PsPj C-P·
 C‡PμC,,P°P»PsCḡPīPsCḡPēPSP°PjPē. Pj C,P°PePēC... PIPēPīP°PrPeP°C... CḡP»C-Pr
 CḡPμC,PμP»CḡPSPs PrPsC,CḡPēPjCḡPIP°C,PēCḡCḡ CḡPμPePsPjPμPSPPrP°C‡C-PNē C-P·
 PjPsPSC-C,PsCḡPēPSPiCḡ CḡC-PIPSḡCḡ P°PjC-PSPsPiP»C-PePsP·PēPrC-PI (C,P° C,,CḡPSPeC‡C-C—
 PSPēCḡPsPe) Cḡ PeP»C-PSC-C‡PSC-PNē PīCḡP°PeC,PēC‡C-.

Pj PrPsCḡP»C-PrPḡPμPSPSC- in vitro PīCḡPē P·P°CḡC,PsCḡCḡPIP°PSPSC-
 C...P»PsCḡP°PjC,,PμPSC-PePsP»Cḡ Cḡ PePsPjP±C-PSP°C‡C-C— C-P·
 C‡PμC,,C,CḡPēP°PeCḡPsPSPsPj CḡPīPsCḡC,PμCḡC-PiP°P»PēCḡCḡ
 P°PSC,P°PīPsPSC-CḡC,PēC‡PSC- PμC,,PμPeC,Pē. PḡP»C-PSC-C‡PSP° P·PSP°C‡CḡC%C-CḡC,Cḡ
 C‡PēC... PrP°PSPēC... PSPμPIC-PrPsPjP°.

PḡPμ P±CḡP»Ps P·P°CḡPμC”CḡC,CḡPsPIP°PSPs PIPēPīP°PrPeC-PI PIP·P°C”PjPsPrC-C— PjC-Pḡ

C†PμC,,C,CTHPēP°PeCfPSPSPj C,P° PeP°P»CHC†C-PNēPIPjC-CfPSPēPjPē
PiCTHPμPiP°CTHP°C,P°PjPē PrP»Cf PiPμCTHPsCTHP°P»CHPSPSPiPs P·P°CfC,PsCfCfPIP°PSPSCf
P°P±Ps PIP·P°C”PjPsPrC-C— PjC-Pf C†PμC,,C,CTHPēP°PeCfPSPSPj PrP»Cf
PIPSCfC,CTHC-CēPSCHPsPjPbT[™] CfP·PsPIPSPiPs PIPiPμPrPμPSPSCf C,P°
PeP°P»CHC†C-PNēPIPjC-CfPSPēPjPē PiCTHPμPiP°CTHP°C,P°PjPē (PrP»Cf
PIPSCfC,CTHC-CēPSCHPsPIPμPSPSPSPiPs P°P±Ps PiPμCTHPsCTHP°P»CHPSPSPiPs
P·P°CfC,PsCfCfPIP°PSPSCf).

Pj PiP°C†C-C”PSC,C-PI, CfPeC- P·P°CfC,PsCfPSPiCfCTHC,CH C†PμC,,C,CTHPēP°PeCfPSPS,
PjPsPfP»PēPIC- C...PēP±PSPSPiPsP·PēC,PēPIPSC- CTHPμP·CfP»CHC,P°C,Pē C,PμCfC,Cf
PbCfPjP±CfP°.

PiPμC,,C,CTHPēP°PeCfPSPS, CfPe C- C-PSCēC- P°PSC,PēP±C-PsC,PēPePē, PjPsPfPμ
CfPiCTHPēC†PēPSCfC,Pē C...PēP±PSPSPiPsP·PēC,PēPIPSC- CTHPμP·CfP»CHC,P°C,Pē
P°PSP°P»C-P·Cf PSP° PiP°P»P°PeC,PsP·PμPjC-CTH.

PμPsPrC-P±PSPēPj C†PēPSPSPj PiCTHPē PIPēP·PSP°C†PμPSPSC- PiP»CTHPePsP·Pē Cf CfPμC†C-
P·P° PrPsPiPsPjPsPiPsCTH PSPμC,,PμCTHPjPμPSC,PSPēC... PjPμC,PsPrC-PI CTHPμP·CfP»CHC,P°C,Pē
PjPsPfCfC,CH P±CfC,Pē C...PēP±PSPSPiPsP·PēC,PēPIPSPēPjPē. P— C†C-C”C— PiCTHPēC†PēPSPē
Cf PiPμCTHC-PsPr P·P°CfC,PsCfCfPIP°PSPSCf C†PμC,,C,CTHPēP°PeCfPSPSCf CfP»C-Pr
PIPēP·PSP°C†P°C,Pē CTHC-PIPμPSCHP PiP»CTHPePsP·Pē Cf CfPμC†C- P·P° PrPsPiPsPjPsPiPsCTH
C,,PμCTHPjPμPSC,PSPēC... PjPμC,PsPrC-PI. PμPsCTHCfCēPμPSCHP C,,CfPSPeC†C-C— PSPēCTHPsPe
PSPμ CfPiPsCfC,PμCTHC-PiP°P»PsCfCf PiC-CfP»Cf CfCfPiCfC,PSCHPsPiPs
P·P°CfC,PsCfCfPIP°PSPSCf PIPμP»PēPePēC... PrPsP· C†PμC,,C,CTHPēP°PeCfPSPSCf C,P°
PiPsC,CfPfPSPēC... PrC-CfCTHPμC,PēPeC-PI (PSP°PiCTHPēPeP»P°Pr C,,CfCTHPsCfPμPjC-PrCf).

PbPrPSPsC†P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCf PiCTHPsP±PμPSPμC†PēPrCf PSPμ
P·PSPēPfCfC” PIPēPIPμPrPμPSPSCf C†PμC,,C,CTHPēP°PeCfPSPSCf.

PhCfPSP±P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCf

P PμP°PeC†C-C— PiC-PrPIPēC%PμPSPsC— C†CzC,P»PēPIPsCfC,C-

PiPe C- PiCTHPē P·P°CfC,PsCfCfPIP°PSPSC- PICfC-C... P±PμC,P°-P»P°PeC,P°PjPSPēC...
P°PSC,PēP±C-PsC,PēPeC-PI, PiPsPIC-PrPsPjP»CfP»PsCfCf PiCTHPs PIPēPiP°PrPePē
CfPμCTHPNēPsP·PSPēC... CTHPμP°PeC†C-PNē PiC-PrPIPēC%PμPSPsC— C†CfC,P»PēPIPsCfC,C-,
C-PSPsPrC- P· P»PμC,P°P»CHPSPēPj PSP°CfP»C-PrPePsPj (PrPēPI. CTHPsP·PrC-P»
B«PμPsP±C-C†PSC- CTHPμP°PeC†C-C—B»). P PμP°PeC†C-C— PiC-PiPμCTHC†CfC,P»PēPIPsCfC,C-
PjPsPfCfC,CH C,P°PePsPf PiCTHPsPiCTHPμCfCfPIP°C,Pē PrPs CfPēPSPPrCTHPsPjCf
PbPsCfPSC-CfP°, CfPμCTHPNēPsP·PSPsC— P°P»PμCTHPiC-C†PSPsC— CTHPμP°PeC†C-C—, C%Ps
PjPsPfPμ PiCTHPēP·PIPμCfC,Pē PrPs C-PSC,,P°CTHPeC,Cf PjC-PsPeP°CTHPPrP° (PrPēPI.
CTHPsP·PrC-P» B«PμPsP±C-C†PSC- CTHPμP°PeC†C-C—B»). Pj CTHP°P·C- C,CfPfPePēC...
CTHPμP°PeC†C-PNē PiC-PrPIPēC%PμPSPsC— C†CfC,P»PēPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCf
C†PμC,,C,CTHPēP°PeCfPSPSCf CfP»C-Pr PSPμPiP°PNēPSPs PiCTHPēPiPēPSPēC,Pē C,P° PIPPfPēC,Pē
PSP°P»PμPfPSPēC... PSPμPIC-PrPeP»P°PrPSPēC... P·P°C...PsPrC-PI. PμPμCTHPμPr
PiPsC†P°C,PePsPj P»C-PeCfPIP°PSPSCf CfP»C-Pr PICfC,P°PSPsPIPēC,Pē, C†Pē C” Cf
PiP°C†C-C”PSC,P° PI P°PSP°PjPSPμP·C- C,CfPfPeC- CTHPμP°PeC†C-C— PiC-PrPIPēC%PμPSPsC—
C†CfC,P»PēPIPsCfC,C- PrPs C†PμC,,C,CTHPēP°PeCfPSPSCf, C-PSCēPēC...
C†PμC,,P°P»PsCfPiPsCTHPēPSC-PI P°P±Ps C-PSCēPēC... C,PēPiC-PI P±PμC,P°-
P»P°PeC,P°PjPSPēC... P·P°CfPSP±C-PI. PŸP»C-Pr P· PsP±PμCTHPμPfPSC-CfC,CTH

P·P°CÍC,PsCÍPsPICíPIP°C,Pë C†PµC,,C,ÇĤPëP°PeCÍPsPS PïP°C†C-C"PSC,P°Pj C-P·
PSP°CĬPIPSC-CÍC,ÇĤ PI P°PSP°PjPSPµP·C- PSPµC,CĬP¶PePsC— PïC-PrPIPëC%PµPSPsC—
C†CÍC,P»PëPIPsCÍC,C- PrPs C-PSCëPëC... P±PµC,P°-P»P°PeC,P°PjPSPëC...
PïCĤPµPïP°CĤP°C,C-PI. P—P°CĤPµC"CÍC,ÇĤPsPIP°PSC- PIPëPïP°PrPePë C,CĬP¶PePëC...
PSPµP±P°P¶P°PSPëC... ÇĤPµP°PeC†C-PNë P· P±PsPeCí CëPeC-ÇĤPë (CÍPëPSPrÇĤPsPj
PŸC,C-PIPµPSCÍP°-P"P¶PsPSCÍPsPSP° P°P±Ps CÍPëPSPrÇĤPsPj
P»P°C"P»P°/C,PsPeCÍPëC†PSPëPNë PµPïC-PrPµCĤPjP°P»CHPSPëPNë PSPµPeCĤPsP»C-P·,
ÇĤPµP°PeC†C-CĬ PSP° P»C-PeP°CĤCÍCHPePëPNë P·P°CÍC-P± P· PµPsP·PëPSPsC,,C-P»C-C"CĤ
C,P° CÍPëCÍC,PµPjPSPëPjPë CÍPëPjPïC,PsPjP°PjPë (DRESS-CÍPëPSPrÇĤPsPj)), CĬPeC-
PjPsP¶CÍC,CH P±CÍC,Pë PSPµP±PµP·PïPµC†PSPëPjPë PrP»CĬ P¶PëC,C,CĬ P°P±Ps PjP°C,Pë
P»PµC,P°P»CHPSPëPNë PSP°CÍP»C-PrPsPe; PsPrPSP°Pe C†P°CÍC,PsC,P° C†PëC... CĬPIPëC%
PSPµPIC-PrPsPjP° (PrPëPI. ÇĤPsP·PrC-P» B«PµPsP±C-C†PSC- ÇĤPµP°PeC†C-C—B»).

*P'P·P°C"PjPsPrC-CĬ P· P»C-PeP°CĤCÍCHPePëPjPë P·P°CÍPsP±P°PjPë, C%Ps PjC-CÍC,CĬC,CH
PeP°P»CHC†C-PNë*

Pj PSPµPrPsPSPsCëPµPSPëC... C,P° PrPsPSPsCëPµPSPëC... PSPµPjPsPIP»CĬC, PIC-PePsPj
PjPµPSCëPµ 1 PjC-CÍCĬC†CĬ PsPïPëCÍP°PSPs PIPëPïP°PrPePë CíC,PIPsCĤPµPSPSCĬ
PïCĤPµC†PëPïC-C,P°C,C-PI PeP°P»CHC†C-C"PIPsC— CÍPsP»C- C†PµC,,C,ÇĤPëP°PeCÍPsPSCí Cí
P»PµPïPµPSCĬC... C,P° PSPëCĤPeP°C... C-P· P»PµC,P°P»CHPSPëPj PSP°CÍP»C-PrPePsPj.
P©PsPSP°PNëPjPµPSCëPµ PsPrPSPsPjCí P· C†PëC... PïP°C†C-C"PSC,C-PI
C†PµC,,C,ÇĤPëP°PeCÍPsPS C,P° PeP°P»CHC†C-PNë PIPsPrPëP»Pë Cí ÇĤC-P·PSPëPNë C†P°CÍ
C,P° C†PµCĤPµP· ÇĤC-P·PSC- PIPSCíC,ÇĤC-CëPSCĤPsPIPµPSPSC- C-PSC,,CíP·C-PNëPSC-
CÍPëCÍC,PµPjPë. P—PïC-PrPSPs P· PSP°CĬPIPSPëPjPë PSP°CíPePsPIPëPjPë PrP°PSPëPjPë, PSPµ
P·P°CĤPµC"CÍC,ÇĤPsPIP°PSPs PïC-PrC,PIPµCĤPrP¶PµPSPëC... PIPëPïP°PrPeC-PI
CíC,PIPsCĤPµPSPSCĬ PIPSCíC,ÇĤC-CëPSCĤPsCÍCíPrPëPSPSPëC... PïCĤPµC†PëPïC-C,P°C,C-PI,
PsPeCĤC-Pj C,P°PePëC... Cí PSPsPIPsPSP°CĤPsPrP¶PµPSPëC..., CĬPePëPj PIPsPrPëP»Pë
C†PµC,,C,ÇĤPëP°PeCÍPsPS C,P° PeP°P»CHC†C-PNëPIPjC-CÍPSC- ÇĤPsP·C†PëPSPë P°P±Ps
P±CíPrCH-CĬPeC- C-PSCëC- PeP°P»CHC†C-PNëPIPjC-CÍPSC- PïCĤPµPïP°CĤP°C,Pë. Pj
PrPsCÍP»C-PrP¶PµPSPSCĬC... C-n vitro P±CíP»Ps PïPsPeP°P·P°PSPs, C%Ps
PSPsPIPsPSP°CĤPsPrP¶PµPSPëPj P·P°PïCĤPsP¶CÍC" PïC-PrPIPëC%PµPSPëPNë ÇĤPëP·PëPe
CíC,PIPsCĤPµPSPSCĬ PïCĤPµC†PëPïC-C,P°C,C-PI PeP°P»CHC†C-C"PIPsC— CÍPsP»C-
C†PµC,,C,ÇĤPëP°PeCÍPsPSCí PïPsCĤC-PIPSCĬPSPs P· PïP°C†C-C"PSC,P°PjPë C-PSCëPëC...
PIC-PePsPIPëC... PïCĤCíPï.

PµCĤPë P·P°CÍC,PsCÍCíPIP°PSPSC- C†PµC,,C,ÇĤPëP°PeCÍPsPSCí PïP°C†C-C"PSC,P°Pj
P±CíPrCH-CĬPePsPïPs PIC-PeCí PïCĤPµPïP°CĤP°C, PSPµ PjPsP¶PSP° P·PjC-CëCíPIP°C,Pë
P°P±Ps PIPsPrPëC,Pë PsPrPSPsC†P°CÍPSPs P· P±CíPrCH-CĬPePëPjPë ÇĤPsP·C†PëPSP°PjPë
PrP»CĬ PIPSCíC,ÇĤC-CëPSCĤPsPIPµPSPSPsPïPs PIPµPrPµPSPSCĬ, C%Ps PjC-CÍC,CĬC,CH
PeP°P»CHC†C-PNë, PSP°PIC-C,CH PïCĤPë PIPëPePsCĤPëCÍC,P°PSPSC- ÇĤC-P·PSPëC...
C-PSC,,CíP·C-PNëPSPëC... CÍPëCÍC,PµPj P°P±Ps PIPµPrPµPSPSC- PïCĤPµPïP°CĤP°C,C-PI Cí
ÇĤC-P·PSC- C-PSC,,CíP·C-PNëPSC- PrC-P»CĬPSPëPë. PµCĤPsC,Pµ PïP°C†C-C"PSC,P°Pj
PIC-PePsPj PIC-Pr 28 PrPSC-PI C†PµC,,C,ÇĤPëP°PeCÍPsPS C,P° PeP°P»CHC†C-PNëPIPjC-CÍPSC-
ÇĤPsP·C†PëPSPë PjPsP¶PSP° PIPsPrPëC,Pë PïPsCÍP»C-PrPsPIPsPs, PsPrPëPS PïC-CÍP»CĬ
PsPrPSPsPïPs, P·P° CíPjPsPIPë PIPµPrPµPSPSCĬ PïCĤPµPïP°CĤP°C,C-PI C†PµCĤPµP·
ÇĤC-P·PSC- C-PSC,,CíP·C-PNëPSC- CÍPëCÍC,PµPjPë Cí ÇĤC-P·PSC- PrC-P»CĬPSPëPë C,C-P»P°
P°P±Ps P·P°PjC-PSPë C†Pë ÇĤPµC,PµP»CHPSPsPïPs PïCĤPsPjPëPIP°PSPSCĬ
C-PSC,,CíP·C-PNëPSPsC— CÍPëCÍC,PµPjPë PjC-P¶ PIPµPrPµPSPSCĬPj C†PëC... P·P°CÍPsP±C-PI
C,,C-P·C-PsP»PsPïC-C†PSPëPj CÍPsP»CHPsPIPëPj ÇĤPsP·C†PëPSPsPj, C%PsP±
P·P°PïPsP±C-PiC,Pë CíC,PIPsCĤPµPSPSCĤ PïCĤPµC†PëPïC-C,P°C,Cí. PµP°C†C-C"PSC,P°Pj,
CĬPeC- PïPsC,ÇĤPµP±CíCĤC,CH PïPsCÍC,C-PNëPSPëC... C-PSC,,CíP·C-PNë
PeP°P»CHC†C-PNëPIPjC-CÍPSPëC... ÇĤPsP·C†PëPSC-PI PrP»CĬ PïPsPIPsPïPs

PĪP°CĤPμPSC,PμCĤP°P»CHBPSPsPiPs C...P°CĤC†CřPIP°PSPSCĪ (PμPμPĪ), PjPμPrPēC†PSC-
 PĪCĤP°C†C-PIPSPēPePē PjPsP¶CřC,CH PĪCĤPēP·PSP°C†PēC,Pē P°P»CHBC,PμCĤPSP°C,PēPIPSC-
 P°PSC,PēP±P°PeC,PμCĤC-P°P»CHBPSC- P·P°CĪPsP±Pē, P·P°CĪC,PsCĪCřPIP°PSPSCĪ CĪPePēC...
 PSPμ PĪPsPIBĤ™ CĪP·P°PSPμ P· PĪPsPrC-P±PSPēPj CĤPēP·PēPePsPj CřC,PIPsCĤPμPSPSCĪ
 PĪCĤPμC†PēPĪC-C,P°C,C-PI. PĪPeC%Ps P·P°CĪC,PsCĪCřPIP°PSPSCĪ
 C†PμC,,C,CĤPēP°PeCĪPsPSCř PĪP°C†C-C"PSC,P°Pj, CĪPeC- PĪPsC,CĤPμP±CřCĤC,CH
 PĪPsCĪC,C-PNBPSPsPiPs C...P°CĤC†CřPIP°PSPSCĪ, PIPēP·PSP°PSPs PSPμPsP±C...C-PrPSPēPj,
 CĤPsP·C†PēPSPē PrP»CĪ PμPμPĪ C,P° C†PμC,,C,CĤPēP°PeCĪPsPS PjPsP¶PSP° PĪIPsPrPēC,Pē
 PsPrPSPsC†P°CĪPSPs, P°P»Pμ C†PμCĤPμP· CĤC-P·PSC- C-PSC,,CřP·C-PNBPSC- CĪPēCĪC,PμPjPē
 C,P° Cř CĤC-P·PSC- PrC-P»CĪPSPēPē C,C-P»P°. PŸP°PePsP¶ PĪIPμPrPμPSPSCĪ
 CĤPsP·C†PēPSC-PI PrP»CĪ PμPμPĪ PjPsP¶PSP° PĪCĤPēP·CřPĪPēPSPēC,Pē PSP° C†P°CĪ
 C-PSC,,CřP·C-C— C†PμC,,C,CĤPēP°PeCĪPsPSCř C,P° PĪCĤPsPjPēC,Pē C-PSC,,CřP·C-PNBPSC-
 CĪPēCĪC,PμPjPē PjC-P¶ PĪIPμPrPμPSPSCĪPj CĤPsP·C†PēPSC-PI (PrPēPI. CĤPsP·PrC-P»Pē
 B«PαP°CĤPjP°PePsPeC-PSPμC,PēPeP°B», B«PμCĤPsC,PēPĪPsPeP°P·P°PSPSCĪB»,
 B«PμPsP±C-C†PSC- CĤPμP°PeC†C-C—B», B«PκPμCĪCřPjC-CĪPSC-CĪC,CHB»).

P°C-C,Pē

P'PμP·PĪPμPeP° C,P° PμC,,PμPeC,PēPIPSC-CĪC,CH P·P°CĪC,PsCĪCřPIP°PSPSCĪ
 PĪCĤPμPĪP°CĤP°C,Cř PĥP»PIPsP±P°Pe PSPsPIPsPSP°CĤPsPrP¶PμPSPēPj, PSPμPjPsPIP»CĪC,P°Pj
 C,P° PrC-C,CĪPj P±CřP»Pē PICĪC,P°PSPsPIP»PμPSC- PrP»CĪ PrPsP·, PsPĪPēCĪP°PSPēC... Cř
 CĤPsP·PrC-P»C- B«PŸPĪPsCĪC-P± P·P°CĪC,PsCĪCřPIP°PSPSCĪ C,P° PrPsP·PēB». Pj
 PrPsCĪP»C-PrP¶PμPSPSCĪC... P±CřP»Ps PĪPsPeP°P·P°PSPs, C%Ps C†PμC,,C,CĤPēP°PeCĪPsPS,
 CĪPe PrPμCĪPeC- C-PSC€C- C†PμC,,P°P»PsCĪPĪPsCĤPēPSPē, PjPsP¶Pμ PIPēC,C-CĪPSCĪC,Pē
 P±C-P»C-CĤCřP±C-PS P·C- P·PIBĤ™ CĪP·PeCř P· P°P»CHB±CřPjC-PSPsPj CĪPēCĤPsPIP°C,PePē
 PeCĤPsPIC-. PĥP»PIPsP±P°Pe PĪCĤPsC,PēPĪPsPeP°P·P°PSPēPNBPSPμPrPsPSPsC€PμPSPēPj C,P°
 PrPsPSPsC€PμPSPēPj PSPsPIPsPSP°CĤPsPrP¶PμPSPēPj, CĪPePēPj P·P°PĪCĤPsP¶CřC"
 CĤPēP·PēPe CĤPsP·PIPēC,PeCř P±C-P»C-CĤCřP±C-PSPsPIPsC— PμPSC†PμC,,P°P»PsPĪP°C,C-C—
 (PrPēPI. CĤPsP·PrC-P» B«PμCĤPsC,PēPĪPsPeP°P·P°PSPSCĪB»).

P†PjCžPSPsPsPĪPsCĪPμCĤPμPrPePsPIP°PSP° PĪPμPjPsP»C-C,PēC†PSP° P°PSPμPjC-CĪ

P'PēPĪP°PrPePē C-PjCřPSPsPsPĪPsCĪPμCĤPμPrPePsPIP°PSPsC— PĪPμPjPsP»C-C,PēC†PSPsC—
 P°PSPμPjC-C— CĪPĪPsCĪC,PμCĤC-PĪP°P»PēCĪCĪ Cř PĪP°C†C-C"PSC,C-PI, CĪPeC-
 PsC,CĤPēPjCřPIP°P»Pē P°PSC,PēP±P°PeC,PμCĤC-P°P»CHBPSC- P·P°CĪPsP±Pē PeP»P°CĪCř
 C†PμC,,P°P»PsCĪPĪPsCĤPēPSC-PI, Cř C,PsPjCř C†PēCĪP»C- PĥP»PIPsP±P°Pe (PrPēPI.
 CĤPsP·PrC-P» B«PμPsP±C-C†PSC- CĤPμP°PeC†C-C—B»). PŸCĪP¶PeC- PIPēPĪP°PrPePē
 PĪPμPjPsP»C-C,PēC†PSPsC— P°PSPμPjC-C—, PI C,PsPjCř C†PēCĪP»C- P· P»PμC,P°P»CHBPSPēPj
 PSP°CĪP»C-PrPePsPj, P±CřP»Pē P·P°CĤPμC"CĪC,CĤPsPIP°PSC- Cř PĪPμCĤC-PsPr
 P»C-PeCřPIP°PSPSCĪ PĪCĤPμPĪP°CĤP°C,PsPj PĥP»PIPsP±P°Pe CĪPe Cř PrPsCĤPsCĪP»PēC...,
 C,P°Pe C- Cř PrC-C,PμPNē.

PĪPeC%Ps PĪC-Pr C†P°CĪ P·P°CĪC,PsCĪCřPIP°PSPSCĪ C†PμC,,C,CĤPēP°PeCĪPsPSCř Cř
 PĪP°C†C-C"PSC,P° PIPēPSPēPeP°C" P°PSPμPjC-CĪ, CĪP»C-Pr CĤPsP·PĪP»CĪPSCřC,Pē
 PrC-P°PĪPSPsP· P°PSPμPjC-C—, P°CĪPsC†C-PNBPSPPIP°PSPsC— C-P·
 P·P°CĪC,PsCĪCřPIP°PSPSCĪPj C†PμC,,P°P»PsCĪPĪPsCĤPēPSCř, C,P° PĪCĤPēPĪPēPSPēC,Pē
 P·P°CĪC,PsCĪCřPIP°PSPSCĪ C†PμC,,C,CĤPēP°PeCĪPsPSCř PrPs PICĪC,P°PSPsPIP»PμPSPSCĪ
 PμC,C-PsP»PsPiC-C— P·P°C...PIPsCĤCĤPIP°PSPSCĪ.

P°PsPIPiPsC,CĤPēPIP°P»Pμ P»C-PeCžPIP°PSPSCĪ

PμCĤPē PrPsPIPiPsC,CĤPēPIP°P»PsPjCř P»C-PeCřPIP°PSPSC- CĪP»C-Pr CĤPμPiCřP»CĪCĤPSPs

PiC7PsPIPsPrPeC,Pe C7PsP·PiPsC7PSCrC,PePN P°PSP°P»C-P· PeC7PsPIC-.
P7PsP»C-C, / PSP°PrPjC-C7PSPePN C7C-CrC, PSPµC±CzC,P»PePIPeC...
PjC-PeC7PsPsC7PiP°PSC-P·PjC-PI

P'PePiP°PrPePe PePsP»C-C,Cr C,P° PiC7PµPIPrPsPjPµPjP±C7P°PSPsP·PSPsPiPs PePsP»C-C,Cr,
P°C7PsC7C-PNPePsPIP°PSPeC... C-P· P·P°C7C,PsC7CrPIP°PSPSC7Pj
P°PSC,PeP±P°PeC,PµC7C-P°P»CHPSPeC... P·P°C7PsP±C-PI, P±CrP»Pe
P·P°C7PµC7C,C7PsPIP°PSC- PSP° C,P»C- P·P°C7C,PsC7CrPIP°PSPSC7 PjP°PNPePµ PIC7C-C...
P°PSC,PeP±P°PeC,PµC7C-P°P»CHPSPeC... P·P°C7PsP±C-PI, Cr C,PsPjCr C±PeC7P»C-
C7PµC,,C,C7PeP°PeC7PsPSCr. P7C7PµPeC-C7C,CH C7PeC... P·P°C...PIPsC7C7PiP°PSC7
PjPsPµPePsP»PePIP°C,PeC7C7 PIC-Pr P»PµPiPePsC— PrPs P·P°PiC7PsP·P»PeIPsC— PrP»C7
PµPeC,C,C7. P7PsPjCr PIP°PµP»PeIPs PIC7P°C...PsPICrPIP°C,Pe PjPsPµP»PePIC-C7C,CH
C,P°PePsPiPs PrC-P°PiPSPsP·Cr Cr PiP°C7C-C7PSC,C-PI, Cr C7PePeC... PiC-Pr C±P°C7 P°P±Ps
PiC-C7P»C7 P·P°C7C,PsC7CrPIP°PSPSC7 C7PµC,,C,C7PeP°PeC7PsPSCr PIPePSPeP»P°
PrC-P°C7PµC7 (PrPePI. C7PsP·PrC-P» B«PµPsP±C-C7PSC- C7PµP°PeC7C-C—B»). P7P»C-Pr
C7PsP·PiP»C7PSCrC,Pe PrPsC7C-P»CHPSC-C7C,CH PiC7PePiPePSPµPSPSC7 C,PµC7P°PiC-C—
C7PµC,,C,C7PeP°PeC7PsPSPj C,P° P·P°C7C,PsC7CrPIP°PSPSC7 PIC-PrPiPsPIC-PrPSPeC...
P·P°C7PsP±C-PI PiC7PsC,Pe *Clostridium difficile*. P»C-PeP°C7C7CHPeC- P·P°C7PsP±Pe, C°Ps
PiC7PePiPSC-C7CrC7C,CH PiPµC7PeC7C,P°P»CHC,PePeCr, P·P°C7C,PsC7PsPICrPIP°C,Pe PSPµ
C7P»C-Pr.

PiPe C- PiC7Pe P·P°C7C,PsC7CrPIP°PSPSC- C-PSCePeC...
P°PSC,PeP±P°PeC,PµC7C-P°P»CHPSPeC... P·P°C7PsP±C-PI, PjPsPµCrC,CH PIPePSPePeP°C,Pe
C7CrPiPµC7C-PSC,,PµPeC7C-C—, C7PiC7PeC7PePSPµPSC- PSPµC7CrC,P»PePIPePjPe PrPs
PiC7PµPiP°C7P°C,Cr PjC-PeC7PsPsC7PiP°PSC-P·PjP°PjPe.

P7C7PµPeP° PSPeC7PePsPIP° C,P° PiPµC7C-PSPePsPIP° PSPµPrPsC7C,P°C,PSC-C7C,CH

Pj C7P°P·C- C,C7PµPePsC— PSPeC7PePsPIPsC— C,P° PiPµC7C-PSPePsPIPsC—
PSPµPrPsC7C,P°C,PSPsC7C,C- C7PµPePsPjPµPSPrPsPIP°PSPePN C7PµC,PµP»CHPSPePN
PeP»C-PSC-C7PSPePN PjPsPSC-C,PsC7PePSPi P±PµP·PiPµPePe C,P° PµC,,PµPeC,PePIPSPsC7C,C-
P·P°C7C,PsC7CrPIP°PSPSC7 PiC7PµPiP°C7P°C,Cr (PrPePI. C7PsP·PrC-P» B«P7PiPsC7C-P±
P·P°C7C,PsC7CrPIP°PSPSC7 C,P° PrPsP·PeB»).

P'PiP»PePI PSP° C7PµP·CzP»CHC,P°C,Pe C7PµC7PsP»PsPiC-C7PSPeC...
PrPsC7P»C-PrPµPµPSC7

PµC7Pe P·P°C7C,PsC7CrPIP°PSPSC- PiC7PµPiP°C7P°C,Cr PhP»PIPsP±P°Pe C,PµC7C,
P7CrPjP±C7P° PjPsPµPrP°PIP°C,Pe C...PeP±PSPsPiPsP·PeC,PePIPSC-
C7PµP·CrP»CHC,P°C,Pe. P7P°PePsPµ PiC7PµPiP°C7P°C, PhP»PIPsP±P°Pe PjPsPµPµ
C7PiC7PeC7PePSC7C,Pe C...PeP±PSPsPiPsP·PeC,PePIPSC- C7PµP·CrP»CHC,P°C,Pe
P°PSP°P»C-P·Cr PSP° PSP°C7PIPSC-C7C,CH PiP°P»P°PeC,PsP·PµPjC-C— (PrPePI. C7PsP·PrC-P»
B«PµPsP±C-C7PSC- C7PµP°PeC7C-C—B»). PµC7Pe PIPeP·PSP°C7PµPSPSC- PiP»CHPePsP·Pe Cr
C7PµC7C- PSPµC,,PµC7PjPµPSC,PSPePjPe PjPµC,PsPrP°PjPe PjPsPµCrC,CH P±CrC,Pe
PsC,C7PePjP°PSC- C...PeP±PSPsPiPsP·PeC,PePIPSC- C7PµP·CrP»CHC,P°C,Pe.
PµC7PsC,C7PiPsPj P·P°C7C,PsC7CrPIP°PSPSC7 PiC7PµPiP°C7P°C,Cr PhP»PIPsP±P°Pe
C7C-PIPSC- PiP»CHPePsP·Pe Cr C7PµC7C- C7P»C-Pr PIPeP·PSP°C7P°C,Pe P·P°
PrPsPiPsPjPsPiPsC7 C,,PµC7PjPµPSC,PSPeC... PjPµC,PsPrC-PI P°PSP°P»C-P·Cr (PrPePI.
C7PsP·PrC-P» B«PµPsP±C-C7PSC- C7PµP°PeC7C-C—B»).

P7PiPµPeC,C7 P°PSC,PeP±P°PeC,PµC7C-P°P»CHPSPsC— P°PeC,PePIPSPsC7C,C-

$P_i P_{\mu} C, C, C_{\overline{H}} P \overline{P}^{\circ} P e C \overline{I} P s P S P_j P^{\circ} C'' P s P \pm P_j P_{\mu} P \overline{P}_{\mu} P s P \overline{P} P N_{\overline{e}} C \overline{I} P_i P_{\mu} P e C, C_{\overline{H}}$
 $P^{\circ} P S C, P \overline{P} \pm P^{\circ} P e C, P_{\mu} C_{\overline{H}} C - P^{\circ} P \gg C H P S P s C - P^{\circ} P e C, P \overline{P} I P S P s C \overline{I} C, C - C - P_j P s P \overline{P}_{\mu} P \pm C r C, P \overline{e}$
 $P S P_{\mu} P i C_{\overline{H}} P \overline{P} P r P^{\circ} C, P S P \overline{P} j P r P \gg C \overline{I} P \cdot P^{\circ} C \overline{I} C, P s C \overline{I} C r P I P^{\circ} P S P S C \overline{I} C \overline{I} P e P_j P s P S P s C, P_{\mu} C_{\overline{H}} P^{\circ} P i C - C \overline{I}$
 $P i C_{\overline{H}} P \overline{e} P \gg C - P e C r P I P^{\circ} P S P S C - P i P_{\mu} P I P S P \overline{e} C \dots C, P \overline{e} P i C - P i C - P S C, P_{\mu} P e C \dagger C - C -, P e C_{\overline{H}} C - P_j$
 $P I P \overline{P} i P^{\circ} P r P e C - P i, P e P s P \gg P \overline{e} P \cdot P \pm C r P r P S P \overline{P} e P e P I P \overline{P}_{\mu} P i C - P r C, P I P_{\mu} C_{\overline{H}} P r P \overline{P}_{\mu} P s P \overline{P} P N_{\overline{e}} (P r P \overline{e} P i.$
 $C_{\overline{H}} P s P \cdot P r C - P \gg B \ll P \overline{Y} P i P s C \overline{I} C - P \pm P \cdot P^{\circ} C \overline{I} C, P s C \overline{I} C r P I P^{\circ} P S P S C \overline{I} C, P^{\circ} P r P s P \cdot P \overline{e} B \gg). P_j C_{\overline{H}} P^{\circ} P \cdot C -$
 $P i P s P \gg C - P_j C - P e C_{\overline{H}} P s P \pm P S P \overline{e} C \dots C - P S C, P_{\mu} P e C \dagger C - P N_{\overline{e}}, P e P s P \gg P \overline{e} C \overline{I} P_{\mu} C_{\overline{H}} P_{\mu} P r$
 $P i C - P r P s P \cdot C_{\overline{H}} C H P I P^{\circ} P S P \overline{e} C \dots P \cdot P \pm C r P r P S P \overline{P} e P e C - P i C'' C_{\overline{H}} P_{\mu} P \cdot P \overline{e} C \overline{I} C, P_{\mu} P S C, P S C - P r P s$
 $C \dagger P_{\mu} C, C, C_{\overline{H}} P \overline{P}^{\circ} P e C \overline{I} P s P S C r P_j C - P e C_{\overline{H}} P s P s C_{\overline{H}} P i P^{\circ} P S C - P \cdot P_j P \overline{e}, C \overline{I} P \gg C - P r C_{\overline{H}} P s P \cdot P i P \gg C \overline{I} P S C r C, P \overline{e}$
 $P \cdot P^{\circ} C \overline{I} C, P s C \overline{I} C r P I P^{\circ} P S P S C \overline{I} C P r P s P r P^{\circ} C, P e P s P I P \overline{e} C \dots P^{\circ} P S C, P \overline{P} \pm C - P s C, P \overline{P} e C - P i.$

$P - P^{\circ} C \overline{I} C, P s C \overline{I} C \acute{z} P I P^{\circ} P S P S C \overline{I} C P \gg C - P r P s P e P^{\circ} C - P S C \acute{z}$

$P \overline{P} e C \% P s C \overline{I} P e C_{\overline{H}} P s P \cdot C \dagger P \overline{P} S P S P \overline{P} e P e P \cdot P^{\circ} C \overline{I} C, P s C \overline{I} P s P i C r P I P^{\circ} C, P \overline{e} C_{\overline{H}} P s P \cdot C \dagger P \overline{P} S$
 $P \gg C - P r P s P e P^{\circ} C - P S C r, C \dagger P_{\mu} C, C, C_{\overline{H}} P \overline{P}^{\circ} P e C \overline{I} P s P S P_j P s P \overline{P}_{\mu} P s P^{\circ} P i P i P s P r P \overline{P} e C, P \overline{e} P \gg P \overline{e} C \overline{e} P_{\mu}$
 $P I P S C r C, C_{\overline{H}} C - C \overline{e} P S C H P s P_j B \overline{H}^{\text{TM}} C \overline{I} P \cdot P s P I P s. P_{\mu} P_{\mu} C_{\overline{H}} P_{\mu} P r P i P i P_{\mu} P r P_{\mu} P S P S C \overline{I} P_j$
 $P i C_{\overline{H}} P_{\mu} P i P^{\circ} C_{\overline{H}} P^{\circ} C, C r C \overline{I} P \gg C - P r P s P \pm P s P i B \overline{H}^{\text{TM}} C \overline{I} P \cdot P e P s P I P s P i C_{\overline{H}} P^{\circ} C \dots C r P I P^{\circ} C, P \overline{e}$
 $P i C_{\overline{H}} P s C, P \overline{P} i P s P e P^{\circ} P \cdot P^{\circ} P S P S C \overline{I} C P r P s P \cdot P^{\circ} C \overline{I} C, P s C \overline{I} C r P I P^{\circ} P S P S C \overline{I} C P \gg C - P r P s P e P^{\circ} C - P S C r,$
 $P \cdot P^{\circ} C \overline{I} C, P_{\mu} C_{\overline{H}} P_{\mu} P \overline{P}_{\mu} P S P S C \overline{I} C, P^{\circ} C - P S C \overline{e} C r P i C - P r P i P s P i C - P r P S C r C - P S C, P s C_{\overline{H}} P_j P^{\circ} C \dagger C - C_{\overline{H}},$
 $P S P^{\circ} P i P_{\mu} P r P_{\mu} P S C r P i C - P S C \overline{I} C, C_{\overline{H}} C r P e C \dagger C - C - P r P \gg C \overline{I} C P_j P_{\mu} P r P \overline{P} e C \dagger P S P s P i P s$
 $P \cdot P^{\circ} C \overline{I} C, P s C \overline{I} C r P I P^{\circ} P S P S C \overline{I} C P \gg C - P r P s P e P^{\circ} C - P S C r (P r P \overline{e} P i. C_{\overline{H}} P s P \cdot P r C - P \gg$
 $B \ll P_{\mu} C_{\overline{H}} P s C, P \overline{P} i P s P e P^{\circ} P \cdot P^{\circ} P S P S C \overline{I} C B \gg). P P s P \cdot C \dagger P \overline{P} S P \gg C - P r P s P e P^{\circ} C - P S C r C r P \overline{P}_{\mu} P s P r P S P s P_j C r$
 $P I P \overline{P} i P^{\circ} P r P e C r P S P_{\mu} P_j P s P \overline{P}_{\mu} P s P^{\circ} P i P i P s P r P \overline{P} e C, P \overline{e} P I P S C r C, C_{\overline{H}} C - C \overline{e} P S C H P s P i P_{\mu} P S P S P s.$

$P - P s P i C \dagger P s P e P^{\circ} P_j \overline{e} \overline{H}^{\text{TM}} C \overline{I} P S P^{\circ} C \dots P i P s C_{\overline{H}} P s P \pm P^{\circ}$

$P_j C_{\overline{H}} P^{\circ} P \cdot C - P S P^{\circ} C \overline{I} P i P S P s C \overline{I} C, C - P S P^{\circ} C \overline{I} P s P S P s P i C_{\overline{H}} P^{\circ} P_j C - C, C - P S P_{\mu} P N_{\overline{e}} C \overline{I} P \gg C - P r$
 $P \cdot P i P^{\circ} P \overline{P}_{\mu} P \overline{e} C, P \overline{e} P S P^{\circ} P_j P s P \overline{P}_{\mu} P \gg P \overline{P} e P i C - C \overline{I} C, C H C r C, P i P s C_{\overline{H}} P_{\mu} P S P S C \overline{I} C P i C_{\overline{H}} P_{\mu} C \dagger P \overline{P} i C - C, P^{\circ} C, C - P i$
 $P e P^{\circ} P \gg C H C \dagger C - C'' P i P s C - C \overline{I} P s P \gg C - C \dagger P_{\mu} C, C, C_{\overline{H}} P \overline{P}^{\circ} P e C \overline{I} P s P S C r. P - P^{\circ} C, C - P S P_{\mu} P S P S C \overline{I} C, C \% P s$
 $P i P s P_j P \overline{P} e P \gg P e P s P i P s P i P i P^{\circ} P \overline{P}_{\mu} P \gg P \overline{e} C \overline{I} C \overline{I} P \overline{P}_{\mu} P i C \dagger P S P \overline{P} e P_j P \overline{e} P e P^{\circ} P_j P_{\mu} P S C \overline{I} P_j P \overline{e},$
 $C \overline{I} P i P s C \overline{I} C, P_{\mu} C_{\overline{H}} C - P i P^{\circ} P \gg P \overline{e} C \overline{I} C \overline{I} P S P^{\circ} C \overline{I} P s P S P s P i C_{\overline{H}} P^{\circ} P_j P^{\circ} C \dots P \overline{P}_{\mu} P i C \dagger P S P s P i P s$
 $P_j C - C \dots C r C_{\overline{H}} P^{\circ}, C \dagger P^{\circ} C \overline{I} C, P s C, P^{\circ} C - C \dots P i P \overline{P} S P \overline{P} e P e P S P_{\mu} P S P S C \overline{I} C P \cdot C_{\overline{H}} P s C \overline{I} C, P^{\circ} P \gg P^{\circ} P i C_{\overline{H}} P \overline{e}$
 $P \cdot P^{\circ} C \overline{I} C, P s C \overline{I} C r P I P^{\circ} P S P S C - C \dagger P_{\mu} C, C, C_{\overline{H}} P \overline{P}^{\circ} P e C \overline{I} P s P S C r C r P r P s P \cdot C - 1 P i P S P^{\circ} P r P s P \pm C r C, P^{\circ}$
 $P i P \overline{e} C \% P_{\mu}. P h C \overline{I} P s P \pm P \gg P \overline{P} i P s C - P s P \pm P_{\mu} C_{\overline{H}} P_{\mu} P \overline{P}_{\mu} P s P s C \overline{I} C, C - C \overline{I} P \gg C - P r$
 $P r P s C, C_{\overline{H}} P \overline{P} e P_j C r P I P^{\circ} C, P \overline{e} C \overline{I} C \overline{I} P i C_{\overline{H}} P \overline{e} P \cdot P^{\circ} C \overline{I} C, P s C \overline{I} C r P I P^{\circ} P S P S C - P i C_{\overline{H}} P_{\mu} P i P^{\circ} C_{\overline{H}} P^{\circ} C, C r$
 $P r C - C, C \overline{I} P_j. P \overline{Y} P^{\circ} P e C - P i C_{\overline{H}} P_{\mu} C \dagger P \overline{P} i C - C, P^{\circ} C, P \overline{e} P \cdot P S P \overline{P} e P^{\circ} C_{\overline{H}} C, C H P i C - C \overline{I} P \gg C \overline{I} C$
 $P i C_{\overline{H}} P \overline{P} i P \overline{P} S P_{\mu} P S P S C \overline{I} C, P_{\mu} C_{\overline{H}} P^{\circ} P i C - C - C \dagger P_{\mu} C, C, C_{\overline{H}} P \overline{P}^{\circ} P e C \overline{I} P s P S P s P_j. P_j$
 $C_{\overline{H}} C - P r P e C - C \overline{I} P S P \overline{e} C \dots P i P \overline{P} i P^{\circ} P r P e P^{\circ} C \dots C r C, P i P s C_{\overline{H}} P_{\mu} P S P S C \overline{I} C P i C_{\overline{H}} P_{\mu} C \dagger P \overline{P} i C - C, P^{\circ} C, C - P i$
 $P e P^{\circ} P \gg C H C \dagger C - C'' P i P s C - C \overline{I} P s P \gg C - C \dagger P_{\mu} C, C, C_{\overline{H}} P \overline{P}^{\circ} P e C \overline{I} P s P S C r$
 $C \overline{I} C r P i C_{\overline{H}} P s P i P s P r P \overline{P}_{\mu} C r P I P^{\circ} P \gg P s C \overline{I} C \overline{I} C \overline{I} P \overline{P} e P_j P i C, P s P_j P^{\circ} C, P \overline{P} e P s C_{\overline{H}}. P - P^{\circ} P S P^{\circ} C \overline{I} P i P S P s C \overline{I} C, C -$
 $C \overline{I} P \overline{P} e P_j P i C, P s P_j C - P i C_{\overline{H}} P_{\mu} P e P s P_j P_{\mu} P S P r C r C'' C, C H C \overline{I} C \overline{I} C P e P s P S C \overline{I} P_{\mu} C_{\overline{H}} P i P^{\circ} C, P \overline{P} i P S P_{\mu}$
 $P S P_{\mu} C \dots C - C_{\overline{H}} C r C_{\overline{H}} P i C - C \dagger P S P_{\mu} P \gg C - P e C r P I P^{\circ} P S P S C \overline{I} C, C - P \gg C - P e P^{\circ} C_{\overline{H}} P i P s P i P \overline{P} S P_{\mu} P S$
 $P i C_{\overline{H}} P \overline{P} P N_{\overline{e}} P S C \overline{I} C, P \overline{e} C_{\overline{H}} C - C \overline{e} P_{\mu} P S P S C \overline{I} C P i C_{\overline{H}} P s P i C_{\overline{H}} P \overline{P} i P \overline{P} S P_{\mu} P S P S C \overline{I} C$
 $P \cdot P^{\circ} C \overline{I} C, P s C \overline{I} C r P I P^{\circ} P S P S C \overline{I} C P i C_{\overline{H}} P_{\mu} P i P^{\circ} C_{\overline{H}} P^{\circ} C, C r, C \overline{I} P i P \overline{P} e C_{\overline{H}} P^{\circ} C_{\overline{H}} C \dagger P \overline{P} e C \overline{I} C H P S P^{\circ}$
 $C_{\overline{H}} P_{\mu} P \cdot C r P \gg C H C, P^{\circ} C, P \overline{e} P s C \dagger C - P S P e P \overline{e} P e P s C_{\overline{H}} P \overline{P} e C \overline{I} C, C - C_{\overline{H}} P \overline{P} e P \cdot P \overline{P} e C r P i$
 $P e P s P S P e C_{\overline{H}} P_{\mu} C, P S P s P_j C r P i P \overline{P} i P^{\circ} P r P e C r (P r P \overline{P} e P i. C_{\overline{H}} P s P \cdot P r C - P \gg B \ll P_{\mu} P s P \pm C - C \dagger P S C -$
 $C_{\overline{H}} P_{\mu} P^{\circ} P e C \dagger C - C - B \gg).$

$P - P s P i C \dagger P S P \overline{P} P N_{\overline{e}} C \overline{I} C, P^{\circ} P \cdot$

$P \overline{P} e P i P^{\circ} P r P e P \overline{e} P i P^{\circ} P S P e C_{\overline{H}} P_{\mu} P^{\circ} C, P \overline{e} C, C r, P_j P s P \overline{P}_{\mu} P \gg P \overline{P} e P i P s, C \overline{I} P i C_{\overline{H}} P \overline{P} e C \dagger P \overline{P} S P_{\mu} P S C -$
 $P S P_{\mu} P i C_{\overline{H}} P s C \dots C - P r P S C - C \overline{I} C, C_{\overline{H}} P \overline{P}_{\mu} P i C \dagger P S P \overline{e} C \dots C \overline{e} P \gg C \overline{I} C \dots C - P i, P \pm C r P \gg P \overline{e}$

P·P°CḡPμC"ĆĲC, CḡPsPIP°PSC- Ćŕ PĲP°ĆĲC-C" PSC, C-PI, CĲPeC- PsC, CḡPĕPjĆŕPIP°P»Pĕ
PĲCḡPμPĲP°CḡP°C, PḡP»PIPsP±P°Pe (PrPĕPI. CḡPsP·PrC-P» B«PμPsP±C-C±PSC-
CḡPμP°PeĆĲC-C-B»). P' C-P»CḡCĕC-ĆĲC, Cḡ C-P· C, P°PePĕC... PĲP°ĆĲC-C" PSC, C-PI PjP°P»Pĕ
C,, P°PeC, PsCḡPĕ CḡPĕP·PĕPeĆŕ CḡPsP·PIPĕC, PeĆŕ C...PsP»PμĆĲC, P°P·Ćŕ C, P°
ĆŕC, PIPsCḡPμPSPSCĲ P±C-P»C-P°CḡPSPsPiPs ĆĲP»P°PrPĲĆŕ, C, P°PeC- CĲPe
PĲPsPĲPμCḡPμPrPSCĲ P·PSP°C±PSP° C, PμCḡP°PĲC-CĲ, C, CĲPĲPeP° C...PIPsCḡPsP±P° C, P°
PĲPsPIPSPμ PĲP°CḡPμPSC, PμCḡP°P»CḡPSPμ C...P°CḡC±ĆŕPIP°PSPSCĲ. PĕPμ PjPsPĲPSP°
PIPĕPeP»CḡC±P°C, Pĕ, C%Ps C-PSC-ĆĲC-CḡCḡC±PĕPj P°P±Ps PrPsPrP°C, PePsPIPĕPj
C,, P°PeC, PsCḡPsPj CḡPsP·PIPĕC, PeĆŕ ĆĲCḡPsPiPs PĲPsCḡĆŕCĕPμPSPSCĲ PjPsPĲPμ P±ĆŕC, Pĕ
ĆŕC, PIPsCḡPμPSPSCĲ Ćŕ PĲPsPIC±PSPĕC... CĕP»CĲC...P°C... PĲCḡPμĆĲPĲC-C, P°C, C-PI
PIPSP°ĆĲP»C-PrPsPe P·P°ĆĲC, PsĆĲĆŕPIP°PSPSCĲ PĲCḡPμPĲP°CḡP°C, Ćŕ PḡP»PIPsP±P°Pe.

P PμP°PeĆĲC-CĲ PĲCḡPĕCĕP°-P" PμCḡPeĆĲPiPμPNᅇPjPμCḡP° (JHR)

Pj PrPμCĲPePĕC... PĲP°ĆĲC-C" PSC, C-PI P·C- ĆĲPĲC-CḡPsC...PμC, PsPIPĕPjPĕ
C-PSC,, PμPeĆĲC-CĲPjPĕ PjPsPĲPμ PIPĕPSPĕPePSCŕC, Pĕ CḡPμP°PeĆĲC-CĲ PĲCḡPĕCĕP°-
P" PμCḡPeĆĲPiPμPNᅇPjPμCḡP° (JHR) PSPμPIPrPsPIP·C- PĲC-ĆĲP»CĲ PĲPsC±P°C, PeĆŕ
P»C-PeĆŕPIP°PSPSCĲ ĆĲPμC,, C, CḡPĕP°PeĆĲPsPSPsPj. JHR, CĲPe PĲCḡP°PIPĕP»Ps, C"
ĆĲC, P°PSPsPj, CĲPePĕPNᅇ PĲCḡPsC...PsPrPĕC, Cḡ P±PμP· P»C-PeĆŕPIP°PSPSCĲ, P°P±Ps
PNᅇPsPiPs PjPsPĲPSP° ĆŕĆĲĆŕPSCŕC, Pĕ P·P° PrPsPĲPsPjPsPiPsCḡ ĆĲPĕPjPĲC, PsPjP°C, PĕC±PSPsC—
C, PμCḡP°PĲC— . P·C-PeĆŕPIP°PSPSCĲ P°PSC, PĕP±C-PsC, PĕPePsPj PSPμ ĆĲP»C-Pr
PĲCḡPĕPĲPSPSCĲC, Pĕ, CĲPeC%Ps PIPĕPSPĕPeP°C" JHR. *PĕPĕCḡPePsPIPsPeP°Pjᅇḡ™ CĲPSP°
C...PIPsCḡPsP±P°*

P—P°CḡPμC"ĆĲC, CḡPsPIP°PSC- PIPĕPĲP°PrPePĕ ĆŕC, PIPsCḡPμPSPSCĲ PSPĕCḡPePsPIPĕC...
PeP°PjPμPSC-PI, C%Ps P·PSPĕPeP°P»Pĕ PĲC-ĆĲP»CĲ PĲCḡPĕPĲPĕPSPμPSPSCĲ
P·P°ĆĲC, PsĆĲĆŕPIP°PSPSCĲ ĆĲPμC,, C, CḡPĕP°PeĆĲPsPSCŕ (PrPĕPI. CḡPsP·PrC-P»
B«PμPsP±C-C±PSC- CḡPμP°PeĆĲC-C-B»). Pj CḡP°P·C- PSP°CĲPIPSPsĆĲC, C-
ĆĲPĕPjPĲC, PsPjC-PI ĆĲP»C-Pr P·CḡPsP±PĕC, Pĕ ĆŕP»CḡC, CḡP°P·PICŕPePsPIPμ
PsP±ĆĲC, PμPĲPμPSPSCĲ. P C-CĕPμPSPSCĲ C%PsPrPs P·P°ĆĲC, PsĆĲĆŕPIP°PSPSCĲ
PĲCḡPμPĲP°CḡP°C, Ćŕ PĲP°ĆĲC-C" PSC, P°Pj C-P· PSP°CĲPIPSC-ĆĲC, Cḡ PI P°PSP°PjPSPμP·C-
PSPĕCḡPePsPIPĕC... PeP°PjPμPSC-PI P°P±Ps PĲC-PĲPμCḡPeP°P»CḡC±C-ĆŕCḡC-C—
PĲCḡPĕPNᅇPjP°C" P»C-PeP°Cḡ, ĆĲPĲCḡP°CḡC±PĕĆĲCḡ PSP° CḡPμP·ĆŕP»CḡC, P°C, Pĕ
PsĆĲC-PSPĕPĕ PePsCḡPĕĆĲC, C--CḡPĕP·PĕPeĆŕ PePsPSPĕCḡPμC, PSPsPiPs PIPĕPĲP°PrPeĆŕ.

P·PSC±PμC,, P°P»PsPĲP°C, C-CĲ

PμPsPIC-PrPsPjP»CĲP»PsĆĲCĲ PĲCḡPs PμPSC±PμC,, P°P»PsPĲP°C, C-Cḡ PĲCḡPĕ
P·P°ĆĲC, PsĆĲĆŕPIP°PSPSC- ĆĲPμC,, C, CḡPĕP°PeĆĲPsPSCŕ (PrPĕPI. CḡPsP·PrC-P»
B«PμPsP±C-C±PSC- CḡPμP°PeĆĲC-C-B»), PsĆĲPsP±P»PĕPIPs Ćŕ PĲP°ĆĲC-C" PSC, C-PI
P»C-C, PSCḡPsPiPs PIC-PeĆŕ P· C, CĲPĲPePsCḡ PSPĕCḡPePsPIPsCḡ
PSPμPrPsĆĲC, P°C, PSC-ĆĲC, Cḡ (PrPĕPI. CḡPsP·PrC-P» B«PŲPĲPsĆĲC-P±
P·P°ĆĲC, PsĆĲĆŕPIP°PSPSCĲ C, P° PrPsP·PĕB») P°P±Ps P·P°C...PIPsCḡCḡPIP°PSPSCĲPjPĕ
ĆĲPμPSC, CḡP°P»CḡPSPsC— PSPμCḡPIPsPIPsC— ĆĲPĕĆĲC, PμPjPĕ. PμCḡPĕ PĲC-PrPsP·CḡC-
PSP° ĆĲPμC,, C, CḡPĕP°PeĆĲPsPS-P°ĆĲPsĆĲC-PNᅇPsPIP°PSCŕ PμPSC±PμC,, P°P»PsPĲP°C, C-Cḡ
(PSP°PĲCḡPĕPeP»P°Pr, P·PSPĕPĲPμPSPSCĲ CḡC-PIPsCĲ ĆĲPIC-PrPsPjPsĆĲC, C-, P·PjC-PSP°
PĲĲPĕC...C-C±PSPsPiPs ĆĲC, P°PSCŕ, PjC-PsPeP»PsPSCŕĆĲ, ĆĲĆŕPrPsPjPĕ) ĆĲP»C-Pr
CḡPsP·PiP»CĲPSCŕC, Pĕ PjPsPĲP»PĕPIC-ĆĲC, Cḡ PIC-PrPjC-PSPĕ ĆĲPμC,, C, CḡPĕP°PeĆĲPsPSCŕ.

*PjC, PĕP»C-P·P°ĆĲC-CĲ PSPμPIPĕPePsCḡPĕĆĲC, P°PSPsPiPs PĲCḡPμPĲP°CḡP°C, Ćŕ C, P°
PĲCḡPsC, PμCḡPjC-PSPsPIP°PSPsPiPs PĲCḡPμPĲP°CḡP°C, Ćŕ.*

PJ PrPsCfP»C-PrP¶PµPSPSClC... C¶PµP¶C¶PµPsPrCrPeC,PëPIPSPsC— C„CrPSPeC†C-C— PSpµ
P±CrP»Ps PIPëC¶PIPI»PµPSPs PsP·PSP°Pe PSPµP±P°P¶P°PSPsPiPs PIPiP»PëPICr PSP°
C‡PsP»PsPIC-C‡Cr P°P±Ps P¶C-PSPsC‡Cr C„PµC¶C,PëP»CHbPSC-C¶C,CHb.

***P-PrP°C,PSC-ClC,CH PIPiP»PëPIP°C,Pë PSP° CëPIPëPrPeC-ClC,CH CḡPμP°PeC†C-C-
PīCḡPë PePμCḡCzPIP°PSPSC- P°PIC,PsC,CḡP°PSClPīPsCḡC,PsPj P°P±Ps C-PSCëPëPjPë
PjPμC...P°PSC-P·PjP°PjPë***

PμC-Pr C†P°Cl P»C-PeCrPIP°PSPSCl C†PμC,,C,CḡPëP°PeClPsPSPsPj PjPsP¶ClC,CH
PIPëPSPëPeP°C,Pë C,P°PeC- PīPsP±C-C†PSC- CḡPμP°PeC†C-C— ClPe
P·P°PīP°PjPsCḡPsC†PμPSPSCl, C%Ps PjPsP¶Pμ PIPiP»PëPIP°C,Pë PSP° P·PrP°C,PSC-ClC,CH
PePμCḡC†PIP°C,Pë C,CḡP°PSClPīPsCḡC,PSPëPjPë P·P°ClPsP±P°PjPë P°P±Ps
PīCḡP°C†CḡPIP°C,Pë P·C- ClPeP»P°PrPSPëPjPë PjPμC...P°PSC-P·PjP°PjPë (PrPëPl. CḡPsP·PrC-P»
B«PμPsP±C-C†PSC- CḡPμP°PeC†C-C—B»). PμP°C†C-C”PSC,P°Pj ClP»C-Pr P±CrC,Pë
PsP±PμCḡPμP¶PSPëPjPë PīCḡPë PePμCḡC†PIP°PSPSC- P°PIC,PsC,CḡP°PSClPīPsCḡC,PsPj
P°P±Ps CḡPsP±PsC,C- P· C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë.

PŸPīPsClC-P± P·P°ClC,PsClCzPIP°PSPSCl C,P° PrPsP·Pë

P”PsP·CrPIP°PSPSCl

P”PsP·P° PīCḡPμPīP°CḡP°C,C† P·P°P»PμP¶PëC,CH PIC-Pr C,ClP¶PePsClC,C-,
C†CrC,P»PëPIPScClC,C-, P»PsPeP°P»C-P·P°C†C-C— C- C,PëPīCr C-PSC,,PμPeC†C-C—, P°
C,P°PePsP¶ PIC-Pr PIC-PeCr C- C,,C†PSPeC†C-C— PīPμC†C-PSPePë C,P° PSPëCḡPsPe
PīP°C†C-C”PSC,P°.

PkPëP¶C†Pμ PSP°PIPμPrPμPSC- PrPsP·Pë C” P·P°PīP°P»CHPSPs
CḡPμPePsPjPμPSPPrPsPIP°PSPëPjPë PrP»Cl C†PëC... PīPsPeP°P·P°PSCH. P’ PsClPsP±P»PëPIPs
C,ClP¶PePëC... PIPëPīP°PrPeP°C... ClP»C-Pr P·P°ClC,PsClPsPIC†PIP°C,Pë PSP°PNëPIPëC%Cr
PrPsP·Cr P· CḡPμPePsPjPμPSPPrPsPIP°PSPsPiPs PrC-P°PīP°P·PsPSC†.

PŸP°P±P»PëC†Cl 1

P”PsCḡPsClP»C- C,P° PrC-C,Pë PIC-PePsPj PIC-Pr 12 CḡPsPeC-PI (≥ 50 PePi)

P”PsP·P° C†PμC,,C,CḡPëP°PeClPsPSC†*	PŸP°ClC,PsC,P° PIPIPμPrPμPSPSCl**	PμPsPeP°P·P°PSPSCl
1bḡ”2 Pi	PḡPrPëPS CḡP°P· PSP° PrPsP±Cr	PμPsP·P°P»C-PeP°CḡPSClPSP° PīPSPμPIPjPsPSC-Cl. P”PsClC,CḡPμ CrClPeP»P°PrPSPμPSPSCl C...CḡPsPSC-C†PSPsC— PsP±ClC,CḡCrPeC,PëPIPSPsC— C...PIPsCḡPsP±Pë P»PμPiPμPSCH. P’PSC†C,CḡC-CëPSCHPsC†PμCḡPμPIPSC- C-PSC,,PμPeC†C-C—. PJClPeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-C— ClPμC†PsPIPëPIC-PrPSPëC... CëP»ClC...C-PI (PIPeP»CḡC†P°CḡC†Pë PīC-C”P»PsPSPμC,,CḡPëC,)
2 Pi	PḡPrPëPS CḡP°P· PSP° PrPsP±Cr	P”PsClPīC-C,P°P»CHPSP° PīPSPμPIPjPsPSC-Cl. PJClPeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-C— CëPeC-CḡPë C- Pjḡḡ™ ClPePëC... C,PeP°PSPëPS. P†PSC,,PμPeC†C-C— PeC-ClC,PsPe C- ClCrPiP»PsP±C-PI

2БҖ“4 Pi	PhPrPëPS CҗP°P· PSP° PrPsP±Cf	P'PµPrPµPSPSCҗ PİP°C†C-C" PSC,C-PI C-P· PSPµPNёC,CҗPsPİPµPSC-C" Cҗ, Cf CҗPePёC... CҗPsP·PIPёPSCfP»P°CҗCҗ PİP°CҗCҗC†PeP° C- C" PİC-PrPsP·CҗP° PSP° P±P°PeC,PµCҗC-P°P»CHPSCf C-PSC,,PµPeC†C-Cҗ. P'P°PeC,PµCҗC-P°P»CHPSPёPNё PµPSPPrPsPeP°CҗPrPёC,, P'P°PeC,PµCҗC-P°P»CHPSPёPNё PjPµPSC-PSPiC-C,
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*B B PµCҗPё PrPsPeCfPjPµPSC,P°P»CHPSPs PİC-PrC,PIPµCҗPrPҗPµPSC-PNё
P±P°PeC,PµCҗC-C" PjC-C— CҗP»C-Pr CҗPsP·PiP»CҗPSCfC,Pё PİPёC,P°PSPSCҗ PİCҗPs
P·P°CҗC,PсCҗCfPIP°PSPSCҗ PSP°PNёPIPёC%PsC— PrPsP·Pё C-P·
CҗPµPePsPjPµPSPPrPsPIP°PSPsPiPs PrC-P°PİP°P·PsPSCf.

** PJ CҗP°P·C- P·P°CҗC,PсCҗCfPIP°PSPSCҗ PrPsP·, C%Ps PİPµCҗPµPIPёC%CfCҗC,CH 2 Pi
PSP° PrPsP±Cf, CҗP»C-Pr CҗPsP·PiP»CҗPSCfC,Pё PİPёC,P°PSPSCҗ PİCҗPs PİPµPrPµPSPSCҗ
PİCҗPµPiP°CҗP°C,Cf PrPIC-C†C- PSP° PrPsP±Cf (P· 12-PiPsPrPёPSPSPёPj
C-PSC,PµCҗPIP°P»PsPj).

PµPsPeP°P·P°PSPSCҗ Cf PrPsCҗPsCҗP»PёC... C- PrC-C,PµPNё PIC-PePsPj PIC-Pr 12 CҗPsPeC-PI
(≥ 50 PePi), C%Ps PİPsC,CҗPµP±CfCҗC,CH PsCҗPsP±P»PёPIPёC... CҗC...PµPj
PrPsP·CfPIP°PSPSCҗ.

P"PsCҗC,CҗPёPNё CҗPµCҗPµPrPSC-PNё PsC,PёC,

PҗPsPҗPµ P±CfC,Pё P·P°CҗC,PсCҗPsPIP°PSP° PsPrPSPsCҗP°P·PsPIP°
PIPSCfC,CҗC-CёPSCҗPsPjБҖ™ CҗP·PsPIP° PrPsP·P° 1БҖ“2 Pi P»C-PeP°CҗCҗCHPePsPiPs
P·P°CҗPsP±Cf PҗP»PIPsP±P°Pe.

P"PµCҗPeC- PrP°PSC- CҗPIC-PrC†P°C,CH, C%Ps Cf CҗP°P·C-, PePsP»Pё CҗC,P°PS
PİP°C†C-C" PSC,P° C,CҗPҗPePёPNё P°P±Ps PİPsPİPµCҗPµPrPSCҗ C,PµCҗP°PİC-Cҗ P±CfP»P°
PSPµPµC,,PµPeC,PёPIPSPsCҗ, PҗP»PIPsP±P°Pe PjPsPҗPµ P±CfC,Pё PµC,,PµPeC,PёPIPSPёPj
PİCҗPё PIPSCfC,CҗC-CёPSCҗPsPjБҖ™ CҗP·PsPIPsPjCf PİPµPrPµPSPSC- Cf PrPsP·C- 1БҖ“2 Pi
PSP° PrPsP±Cf PİCҗPsC,CҗPiPsPj 3 PrPSC-PI.

*PµPµCҗPµPrPsPİPµCҗP°C†C-PNёPSP° PİCҗPsC,,C-P»P°PeC,PёPeP° C-PSC,,PµPeC†C-PNё Cё
PjC-CҗC†C- C...C-CҗCёCҗPiC-C†PSPsPiPs PIC,CҗCёC†P°PSPSCҗ*

2 Pi PsPrPSPsCҗP°P·PsPIPs PİPµCҗPµPr PsPİPµCҗP°C†C-C" Cҗ.

P"PsPSPsCҗPµCҗ

P P°P·PsPIP° PrPsP·P° 500 PjPi PIPSCfC,CҗC-CёPSCҗPsPjБҖ™ CҗP·PsPIPs.

PҖPёC,,C-P»C-Cҗ

P—P°PiP°P»CHPSPsCҗPµPePsPjPµPSPPrPsPIP°PSPёPjPё PrPsP·P°PjPё C" 500 PjPi БҖ“ 1 Pi
PsPrPёPS CҗP°P· PSP° PrPsP±Cf P·C- P·P±C-P»CHCёPµPSPSCҗPj PrPsP·Pё PrPs 2 Pi PsPrPёPS
CҗP°P· PSP° PrPsP±Cf PİCҗPё PSPµPNёCҗPsCҗPёC,,C-P»C-CҗC- PİCҗPsC,CҗPiPsPj 10БҖ“14
PrPSC-PI. P PµPePsPjPµPSPPrP°C†C-C— C%PsPrPs PrPsP·CfPIP°PSPSCҗ PİCҗPё
CҗPёC,,C-P»C-CҗC-, PİPeP»CҗC†P°CҗC†Pё PSPµPNёCҗPsCҗPёC,,C-P»C-Cҗ,
P±P°P·CfCҗC,CHCҗCҗ PSP° PsP±PjPµPҗPµPSPёC... PrP°PSPёC.... PҖP»C-Pr C,P°PePsPҗ

PIC₇P°C...PsPIC₇PIP°C, Pë PSP°C†C-PsPSP°P»CH₇PSC- P°P±Ps PjC-C†C†PμPIC-
C₇PμPePsPjPμPSPPrP°C†C-C—.

*P°PëC†PμPjC-PSPsPIP°PSPëPN₂ P±PsC₇PμP»C-PsP· P>P°PN₂PjP° (C₇P°PSPSC-PN₂ (P†P†
C†C, P°PrC-C†C) C- P†C-P·PSC-PN₂ (P†P†P† C†C, P°PrC-C†C))*

PμPs 2 Pi PsPrPëPS C₇P°P· PSP° PrPsP±C† P†C₇PsC, C†PiPsPj 14B₇“21 PrPSC†C.
P PμPePsPjPμPSPPrPsPIP°PSP° C, C₇PëPIP°P»C-C†C, CH₇ P»C-PeC†PIP°PSPSC†C PIP°C₇C-C₇C”,
C†P»C-Pr C, P°PePsP¶ PIC₇P°C...PsPIC₇PIP°C, Pë PSP°C†C-PsPSP°P»CH₇PSC- P°P±Ps
PjC-C†C†PμPIC- C₇PμPePsPjPμPSPPrP°C†C-C—.

P°C-C, Pë

*PkPsPIPsPSP°C₇PsPrP¶PμPSC-, PSPμPjPsPIP»C†C, P° C, P° PrC-C, Pë PIC-PePsPj PIC-Pr 15
PrPSC-PI PrPs 12 C₇PsPeC-PI (< 50 PePi)*

P°C-C, C†Pj P· PjP°C†PsC₇ C, C-P»P° 50 PePi P°P±Ps P±C-P»CH₇C†Pμ C†P»C-Pr
P·P°C†C, PsC†C†PIP°C, Pë P·PIPëC†P°PN₂PSC- PrPsP·Pë PrP»C†C PrPsC₇PsC†P»PëC....

PjP°P±P»PëC†C†C 2

P°PsP·P° C†PμC,,C,C ₇ PëP°PeC†PsPSC†*	P§P°C†C, PsC, P° PIPIPμPrPμPSPSC†**	PμPsPeP°P·P°PSPSC†
50B ₇ “80 PjPi/PePi	PhPrPëPS C ₇ P°P· PSP° PrPsP±C†	P’PSC†C, C ₇ C-C†PSC ₇ PsC†PμC ₇ PμPIPSC- C-PSC,,PμPeC†C-C—. PjC†PeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-C— C†PμC†PsPIPëPIC-PrPSPëC... C†P»C†C...C-PI (PIPeP»C ₇ C†P°C ₇ C†Pë P†C-C”P»PsPSPμC,,C ₇ PëC,). PμPsP·P°P»C-PeP°C ₇ PSC†PSP° P†PSPμPIPjPsPSC-C†C. P°PsC†P†C-C, P°P»CH ₇ PSP° P†PSPμPIPjPsPSC-C†C
50B ₇ “100 PjPi/PePi (PjP°PeC†PëPjP°P»CH ₇ PSPs B ₇ “ 4 Pi)	PhPrPëPS C ₇ P°P· PSP° PrPsP±C†	PjC†PeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-C— C†PeC-C ₇ Pë C- PjB ₇ ™ C†PePëC... C, PeP°PSPëPS. P†PSC,,PμPeC†C-C— PeC-C†C, PsPe C- C†C†PiP»PsP±C-PI. P’PμPrPμPSPSC† P†P°C†C-C”PSC, C-PI C-P· PSPμPN ₂ C, C ₇ PsPiPμPSC-C”C ₇ , C† C†PePëC... C ₇ PsP·PIPëPSC†P»P°C†C†C P†P°C ₇ C†C†PeP° C- C” P†C-PrPsP·C ₇ P° PSP° P±P°PeC, PμC ₇ C-P°P»CH ₇ PSC† C-PSC,,PμPeC†C-C ₇
80B ₇ “100 PjPi/PePi (PjP°PeC†PëPjP°P»CH ₇ PSPs 4 Pi)	PhPrPëPS C ₇ P°P· PSP° PrPsP±C†	P’P°PeC, PμC ₇ C-P°P»CH ₇ PSPëPN ₂ PjPμPSC-PSPiC-C,
100 PjPi/PePi (PjP°PeC†PëPjP°P»CH ₇ PSPs 4 Pi)	PhPrPëPS C ₇ P°P· PSP° PrPsP±C†	P’P°PeC, PμC ₇ C-P°P»CH ₇ PSPëPN ₂ PμPSPPrPsPeP°C ₇ PrPëC,

*B B B B PμC₇Pë PrPsPeC†PjPμPSC, P°P»CH₇PSPs P†C-PrC, PIPμC₇PrP¶PμPSC-PN₂
P±P°PeC, PμC₇C-C”PjC-C— C†P»C-Pr C₇PsP·PiP»C†PSC†C, Pë P†PëC, P°PSPSC†C P†C₇Ps
P·P°C†C, PsC†C†PIP°PSPSC†C PSP°PN₂PIPëC%PsC— PrPsP·Pë C-P·

P°P°P°P° C†PμC,,C,CḡPḡP°PeCḡPsPSCḡ*	PḡP°CḡC,PsC,P° PIPIPμPrPμPSPSCḡ	PμPsPeP°P·P°PSPSCḡ
20ḡḡ“50 PjPi/PePi	PḡPrPḡPS CḡP°P·PSP° PrPsP±Cḡ	P’PSCḡC,CḡC-CḡPSCḡPsC†PμCḡPμPIPSC- C-PSC,,PμPeC†C-C—. PJCḡPeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-C— CḡPeC-CḡPḡ C- Pjḡḡ™CḡPePḡC... C,PeP°PSPḡPS. PJCḡPeP»P°PrPSPμPSC- C-PSC,,PμPeC†C-C— CḡPμC†PsPIPḡPIC-PrPSPḡC... CḡP»CḡC...C-PI (PIPeP»CḡC†P°CḡC†Pḡ PḡC-C”P»PsPSPμC,,CḡPḡC,). PμPsP·P°P»C-PeP°CḡPSCḡPSP° PḡPSPμPIPjPsPSC-Cḡ. P”PsCḡPḡC-C,P°P»CḡPSP° PḡPSPμPIPjPsPSC-Cḡ. P†PSC,,PμPeC†C-C— PeC-CḡC,PsPe C- CḡCḡPiP»PsP±C-PI. P’PμPrPμPSPSCḡ PḡP°C†C-C”PSC,C-PI P· PSPμPNḡC,CḡPsPḡPμPSC-C”Cḡ, Cḡ CḡPePḡC... CḡPsP·PIPḡPSCḡP»P°CḡCḡ PḡP°CḡCḡC†PeP° C- C” PḡC-PrPsP·CḡP° PSP° P±P°PeC,PμCḡC-P°P»CḡPSCḡ C-PSC,,PμPeC†C-Cḡ
50 PjPi/PePi	PḡPrPḡPS CḡP°P·PSP° PrPsP±Cḡ	P’P°PeC,PμCḡC-P°P»CḡPSPḡPNḡ PjPμPSC-PSPiC-C,. P’P°PeC,PμCḡC-P°P»CḡPSPḡPNḡ PμPSPPrPsPeP°CḡPrPḡC,

*B B B B P_uC₇P_ë PrPsPeCrPjP_uPSC,P°P»CH₃PSPs PiC-PrC,PIP_uC₇PrP¶P_uPSC-PN_ë
P±P°PeC,P_uC₇C-C°PjC-C— C₁P»C-Pr C₇PsP·PiP»C¶PSCrC,Pë PiPëC,P°PSPSC¶ PiC₇Ps
P·P°C₁C,PsC₁CrPIP°PSPSC¶ PSP°PN_ëPIPëC%PsC— PrPsP·Pë C-P·
C₇P_uPePsPjP_uPSPrPsPIP°PSPsPiPs PrC-P°PiP°P·PsPSCr₁.

PkPμ CΓP»C-PΓ PιPμCTjPμPIPëC%oCrPIP°C,Pë PjP°PeCΓPëPjP°P»CHbPSCr PΓPsP±PsPICr PΓPsP·Cr
50 PjPi/PePi.

$P_{\mu}PsPeP^{\circ}P \cdot P^{\circ}PSPSC\downarrow$ Cr $PSPsPIPsPSP^{\circ}C\uparrow PsPrP\uparrow P_{\mu}PSP\ddot{C} \dots$ $PIC-PePsPj$ $0B\uparrow$ "14 $PrPSC-PI$, $C\%Ps$
 $PiPsC, C\uparrow P_{\mu}P \pm CrC\uparrow C, CH$ $PsC\uparrow PsP \pm P \gg P\ddot{e}PIP\ddot{C} \dots$ $C\uparrow C \dots P_{\mu}Pj$ $PrPsP \cdot CrPIP^{\circ}PSPSC\downarrow$:
 $P^{\circ}PsC\uparrow C, C\uparrow P\ddot{e}PN_{\circ}$ $C\uparrow P_{\mu}C\uparrow P_{\mu}PrPSC-PN_{\circ}$ $PsC, P\ddot{e}C,$

P”P»CЦ PiPsC±P°C,PePsPIPsPiPs P»C-PeCfPIP°PSPSCЦ PiPsCfC,CЦPsPiPs
CfPμCЦPμPrPSCHbPsPiPs PsC,PëC,Cr PjPsP¶Pμ P±CrC,Pë P·P°CfC,PsCfPsPIP°PSP°
PsPrPSPsCЦP°P·PsPIP° PIPSCfC,CЦC-CëPSCHbPsPjBЦ™ CЦP·PsPIP° C-PSBЦ™ C”PeC†C-CЦ
PЦP»PIPsP±P°PeCf Cr PrPsP·C- 50 PjPi/PePi.

*PμPμCЦPμPrPsPiPμCЦP°C†C-PNëPSP° PiCЦPsC,,C-P»P°PeC,PëPeP° C-PSC,,PμPeC†C-PNë Cé
PjC-CfC†C- C...C-CЦCéCЦPiC-C±PSPsPiPs PIC,CЦCéC±P°PSPSCЦ*

20BЦ”50 PjPi/PePi PsPrPSPsCЦP°P·PsPIPs PiPμCЦPμPr PsPiPμCЦP°C†C-C”CЦ.

PŸPëC,,C-P»C-Cf

P—P°PiP°P»CHbPSPsCЦPμPePsPjPμPSPPrPsPIP°PSPsCЦ PrPsP·PsCЦ C” 50 PjPi/PePi PsPrPëPS
CЦP°P· PSP° PrPsP±Cr PiCЦPsC,CЦPiPsPj 10BЦ”14 PrPSC-PI. P PμPePsPjPμPSPPrP°C†C-C—
C%oPsPrPs PrPsP·CrPIP°PSPSCЦ PiCЦPë CfPëC,,C-P»C-CfC-, PIPeP»CЦC±P°CЦC±Pë
PSPμPNëCЦPsCfPëC,,C-P»C-Cf, P±P°P·CrCЦC,CЦCfCЦ PSP° PrCrP¶Pμ PsP±PjPμP¶PμPSPëC...
PrP°PSPëC.... PŸP»C-Pr C,P°PePsP¶ PICЦP°C...PsPICfPIP°C,Pë PSP°C†C-PsPSP°P»CHbPSC-
P°P±Ps PjC-CfC†PμPIC- CЦPμPePsPjPμPSPPrP°C†C-C—.

PŸCЦPëPIP°P»C-CfC,CЦ P»C-PeCéPIP°PSPSCЦ

PŸCЦPëPIP°P»C-CfC,CЦ P»C-PeCfPIP°PSPSCЦ P·P°P»PμP¶PëC,CЦ PIC-Pr PiPμCЦPμP±C-PiCf
C...PIPsCЦPsP±Pë. P’CЦP°C...PsPICfCЦC±Pë P·P°PiP°P»CHbPSC- CЦPμPePsPjPμPSPPrP°C†C-C—
C%oPsPrPs P°PSC,PëP±C-PsC,PëPePsC,PμCЦP°PiC-C—, P·P°CfC,PsCfCrPIP°PSPSCЦ
C†PμC,,C,CЦPëP°PeCfPsPSCf CfP»C-Pr PiCЦPsPrPsPIP¶CfPIP°C,Pë PiCЦPsC,CЦPiPsPj
48-72 PiPsPrPëPS PiC-CfP»CЦ P·PSPëPePSPμPSPSCЦ PiP°CЦCЦC±PePë P°P±Ps
PiC-PrC,PIPμCЦPrP¶PμPSPSCЦ PrPsCfCЦPiPSPμPSPSCЦ PμCЦP°PrPëPeP°C†C-C—
P±P°PeC,PμCЦC-P°P»CHbPSPsC— C-PSC,,PμPeC†C-C—.

PμP°C†C-C”PSC,Pë P»C-C,PSCHbPsPiPs PIC-PeCé

P—P° CrPjPsPIPë P·P°PrPsPIC-P»CHbPSPsC— C,,CrPSPeC†C-C— PSPëCЦPsPe C- PiPμC±C-PSPePë
PePsCЦPμPeC†C-CЦ PrPsP·Pë PiP°C†C-C”PSC,P°Pj P»C-C,PSCHbPsPiPs PIC-PeCf PSPμ
PiPsC,CЦC-P±PSP°.

PμP°C†C-C”PSC,Pë P· PiPμC±C-PSPePsPIPsCЦ PSPμPrPsCfC,P°C,PSC-CfC,CЦ

PќP°CЦPIPSC- PrP°PSC- CfPIC-PrC±P°C,CЦ PiCЦPs PIC-PrCfCrC,PSC-CfC,CЦ
PSPμPsP±C...C-PrPSPsCfC,C- PePsCЦPëPiCfPIP°C,Pë PrPsP·Cr PiP°C†C-C”PSC,P°Pj P·
P»PμPiPePsCЦ C±Pë PiPsPjC-CЦPSPsCЦ PiPμC±C-PSPePsPIPsCЦ PSPμPrPsCfC,P°C,PSC-CfC,CЦ,
CЦPeC%oPs C,,CrPSPeC†C-CЦ PSPëCЦPsPe PSPμ PiPsCЦCrCëPμPSP°. PќPμPjP°C” PrP°PSPëC...
PrPsCfP»C-PrP¶PμPSCH C%oPsPrPs PiP°C†C-C”PSC,C-PI C-P· C,CЦP¶PePsCЦ
PiPμC±C-PSPePsPIPsCЦ PSPμPrPsCfC,P°C,PSC-CfC,CЦ (PrPëPI. CЦPsP·PrC-P»
B«PαP°CЦPjP°PePsPeC-PSPμC,PëPeP°B»).

PμP°C†C-C”PSC,Pë P· PSPëCЦPePsPIPsCЦ PSPμPrPsCfC,P°C,PSC-CfC,CЦ

PμP°C†C-C”PSC,P°Pj C-P· PiPsCЦCrCëPμPSPSCЦPjPë C,,CrPSPeC†C-C— PSPëCЦPsPe PSPμPjP°C”
PSPμPsP±C...C-PrPSPsCfC,C- P·PSPëP¶CfPIP°C,Pë PrPsP·Cr C†PμC,,C,CЦPëP°PeCfPsPSCf,
CЦPeC%oPs C,,CrPSPeC†C-CЦ PiPμC±C-PSPePë PSPμ PiPsCЦCrCëPμPSP°. P»PëCëPμ PI CЦP°P·C-
PSPëCЦPePsPIPsC— PSPμPrPsCfC,P°C,PSPsCfC,C- Cr
PiPμCЦPμPrC,PμCЦPjC-PSP°P»CHbPSC-PNë CfC,P°PrC-C— (PeP»C-CЦPμPSCf
PeCЦPμP°C,PëPSC-PSCf PjPμPSCëPμ 10 PjP»/C...PI) PrPsP±PsPIP° PrPsP·P°
C†PμC,,C,CЦPëP°PeCfPsPSCf PSPμ PiPsPIPëPSPSP° PiPμCЦPμPIPëC%oCrPIP°C,Pë 2 Pi.

PμP°C†C-C"°PSC,P°Pj, CΠPeC- P·PSP°C...PsPrCΠC,CHCΓCΠ PSP° PrC-P°P»C-P·C-, PSPμPjP°C" PīPsC,CHPμP±Pē Cr PrPsPrP°C,PePsPIPsPjCr PIPμPrPμPSPSC- PīCHPμPīP°CHP°C,Cr PīC-CΓP»CΠ PrC-P°P»C-P·Cr. PīPμC,,C,CHPēP°PeCΓPsPS PSPμ PIPēPrP°P»CΠC"C,CHCΓCΠ P· PsCHPμP°PSC-P·PjCr C€P»CΠC...PsPj PīPμCHPēC,PsPSPμP°P»CHPSPsPiPs PrC-P°P»C-P·Cr P°P±Ps PiPμPjPsPrC-P°P»C-P·Cr. P PμPePsPjPμPSPPrCrC"C,CHCΓCΠ CHPμC,PμP»CHPSPēPNē PeP»C-PSC-C†PSPēPNē PjPsPSC-C,PsCHPēPSPi P±PμP·PīPμPePē C,P° PμC,,PμPeC,PēPIPSsCΓC,C- PīCHPμPīP°CHP°C,Cr.

PμP°C†C-C"°PSC,Pē P· C,CΠP¶PePēPjPē PīPsCHCζC€PμPSPSCΠPjPē C,,CζPSPeC†C-C— PīPμC†C-PSPePē C- PSPēCHPsPe

PμCHPē PsPrPSPsC†P°CΓPSPsPjCr C,CΠP¶PePsPjCr PīPsCHCζC€PμPSPSC- C,,CζPSPeC†C-C— PSPēCHPsPe C,P° PīPμC†C-PSPePē CHPμPePsPjPμPSPPrCrC"C,CHCΓCΠ CHPμC,PμP»CHPSPēPNē PeP»C-PSC-C†PSPēPNē PjPsPSC-C,PsCHPēPSPi P±PμP·PīPμPePē C,P° PμC,,PμPeC,PēPIPSsCΓC,C- PīCHPμPīP°CHP°C,Cr.

PŸPīPsCΓC-P± PIPμPrPμPSPSCΠ

P'PSCζC,CHC-C€PSCHPsPjē™ CΠP·PsPIPμ PIPμPrPμPSPSCΠ

P>C-PeP°CHCΓCHPePēPNē P·P°CΓC-P± PhP»PIPsP±P°Pe PjPsP¶PSP° PIPμPrPēC,Pē C€P»CΠC...PsPj PīP»PēP±PsPePsC— PIPSCrC,CHC-C€PSCHPsPjē™ CΠP·PsPIPsC— C-PSb™ C"°PeC†C-C—. P'PSCrC,CHC-C€PSCHPsPjē™ CΠP·PsPICr C-PSb™ C"°PeC†C-CH CΓP»C-Pr CHPSP±PēC,Pē Cr C†PμPSC,CH PIC-PrPSPsCΓPSPs PIPμP»PēPePsPiPs Pjē™ CΠP·P°. P PμPePsPjPμPSPPrCrC"C,CHCΓCΠ PIPμPrPēC,Pē PSPμ P±C-P»CHC€Pμ 1 Pi PI PsPrPSCr PrC-P»CΠPSPeCr.

PīPeC%oPs P»C-PrPsPeP°C—PS P·P°CΓC,PsCΓPsPICrPIP°C,Pē CΠPe CHPSP·C†PēPSPSPēPe, PsC,CHPēPjP°PSPēPNē CHPSP·C†PēPS PSC-PePsP»Pē PSPμ CΓP»C-Pr PIPμPrPēC,Pē PIPSCrC,CHC-C€PSCHPsPIPsPSPSPs (PrPēPI. CHPSP·PrC-P» B«PμCHPsC,PēPīPsPeP°P·P°PSPSCΠB»). P'P»CΠ PrPμC,P°P»CHPSPsC— C-PSC,,PsCHPjP°C†C-C— CHPμPePsPjPμPSPPrCrC"C,CHCΓCΠ PsP·PSP°PNēPsPjPēC,PēCΓCΠ P· C-PSCrC,CHCζPeC†C-C"CH PrP»CΠ PjPμPrPēC†PSPsPiPs P·P°CΓC,PsCΓCrPIP°PSPSCΠ P»C-PrPsPeP°C—PSCr. P—P°CΓC,PsCΓCrPIP°PSPSCΠ P»C-PrPsPeP°C—PSCr PīPμCHPμPrP±P°C†P°C" PīPsPīPμCHPμPrPSC" PīCHPSPiPμPrPμPSPSCΠ PīCHPSP±Pē PrP»CΠ PIPēP·PSP°C†PμPSPSCΠ C-PSPPrPēPIC-PrCrP°P»CHPSPsC— C†CrC,P»PēPIPsCΓC,C- PrPs C†CHPsPiPs P»C-PeP°CHCΓCHPePsPiPs P·P°CΓPsP±Cr.

P'PSCζC,CHC-C€PSCHPsPIPμPSPSPμ PIPμPrPμPSPSCΠ

P>C-PeP°CHCΓCHPePēPNē P·P°CΓC-P± PhP»PIPsP±P°Pe PjPsP¶PSP° PIPμPrPēC,Pē C€P»CΠC...PsPj PIPSCrC,CHC-C€PSCHPsPIPsPSPSPsC— C-PSC,,CrP·C-C— C,CHPēPIP°P»C-CΓC,CH PSPμ PjPμPSC€Pμ 30 C...PIPēP»PēPS (C€P»CΠC..., CΠPePsPjCr PIC-PrPrP°C"C,CHCΓCΠ PīPμCHPμPIP°PīP°) P°P±Ps C€P»CΠC...PsPj PīPsPIC-P»CHPSPsC— PIPSCrC,CHC-C€PSCHPsPIPsPSPSPsC— C-PSb™ C"°PeC†C-C— C,CHPēPIP°P»C-CΓC,CH P±C-P»CHC€Pμ 5 C...PIPēP»PēPS. P'PSCrC,CHC-C€PSCHPsPIPsPSPSPμ PīPμCHPμCHPēPIC†P°CΓC,Pμ PIPμPrPμPSPSCΠ CΓP»C-Pr P·PrC-PNēCΓPSCHPiP°C,Pē PīCHPsC,CΠPiPsPj 5 C...PIPēP»PēPS PīPμCHPμPIP°P¶PSPs Cr PIPμP»PēPeC- PIPμPSPē. P'PSCrC,CHC-C€PSCHPsPIPsPSPSC- PrPsP·Pē PīPs 50 PjPi/PePi P°P±Ps P±C-P»CHC€Pμ CΓP»C-Pr PIPμPrPēC,Pē C€P»CΠC...PsPj C-PSC,,CrP·C-C— PSPμPjPsPIP»CΠC,P°Pj C- PrC-C,CΠPj PIC-PePsPj PrPs 12 CHPSPeC-PI. PkPsPIPsPSP°CHPSPPrP¶PμPSPēPj PIPSCrC,CHC-C€PSCHPsPIPsPSPSC- PrPsP·Pē CΓP»C-Pr PIPμPrPēC,Pē PīCHPsC,CΠPiPsPj 60

C...PIPëP»PëPS P· PjPµC,PsCḡ P·PjPµPSC€PµPSPSCḶ PīPsC,PµPSC†C-PM̄PSPsPiPs CḡPëP·PëPeC†
P±C-P»C-CḡC†P±C-PSPsPiPsC— PµPSC†PµC,,P°P»PsPīP°C,C-C— (PrPëPI. CḡPsP·PrC-P»Pë
B«PµCḡPsC,PëPīPsPeP°P·P°PSPSCḶB» C,P° B«PḡC†PsP±P»PëPiPsC†C,C-
P·P°C†C,PsC†C†PIP°PSPSCḶB»). PµPëC,P°PSPSCḶ PīCḡPs
PIPSC†C,CḡC-C€PSCḡPsPjḡḡ™ CḶP·PsPIPµ PIPiPµPrPµPSPSCḶ C†P»C-Pr
CḡPsP·PiP»CḶPrP°C,Pë, PePsP»Pë PIPSC†C,CḡC-C€PSCḡPsPIPµPSPSPëPM̄ C€P»CḶC...
PIPIPµPrPµPSPSCḶ PSPµPjPsP¶P»PëPIPëPM̄ P°P±Ps PjPµPSC€ PīCḡPëPM̄PSCḶC,PSPëPM̄ PrP»CḶ
PīP°C†C-C”PSC,P°. P”PsP·Pë, C%Ps PīPµCḡPµPIPëC%C†CḡC,Cḡ 2 Pi, C†P»C-Pr PIPiPsPrPëC,Pë
PIPSC†C,CḡC-C€PSCḡPsPIPµPSPSPs. PjPµC,,C,CḡPëP°PeC†PsPS
PīCḡPsC,PëPīPsPeP°P·P°PSPëPM̄ PSPsPiPsPSP°CḡPsPrP¶PµPSPëPj (≤ 28 PrPSC-PI), CḶPeC%Ps
C—Pj PīPsC,CḡC-P±PSPµ (P°P±Ps PsC†C-PeC†C”C,CḡC†CḶ, C%Ps P±C†PrPµ
PīPsC,CḡC-P±PSPµ) P»C-PeC†PIP°PSPSCḶ PeP°P»CḡC†C-PM̄PIPjC-C†PSPëPjPë
PIPSC†C,CḡC-C€PSCḡPsPIPµPSPSPëPjPë CḡPsP·C†PëPSP°PjPë, PIPeP»CḡC†P°CḡC†Pë
C-PSC,,C†P·C-PM̄PSC- CḡPsP·C†PëPSPë, CḶPeC- PjC-C†C,CḶC,Cḡ PeP°P»CḡC†C-PM̄, C,P°PeC-
CḶPe PīP°CḡPµPSC,PµCḡP°P»CḡPSPµ C...P°CḡC†C†PIP°PSPSCḶ, C† P·Piḡḡ™ CḶP·PeC† P·
CḡPëP·PëPePsPj C†C,PIPsCḡPµPSPSCḶ PīCḡPµC†PëPīC-C,P°C,C-PI PeP°P»CḡC†C-C”PIPëC...
C†PsP»PµPM̄ C†PµC,,C,CḡPëP°PeC†PsPSC† (PrPëPI. CḡPsP·PrC-P»
B«PµCḡPsC,PëPīPsPeP°P·P°PSPSCḶB»). PḡPµ PjPsP¶PSP° PIPëPePsCḡPëC†C,PsPIC†PIP°C,Pë
CḡPsP·C†PëPSPSPëPePë, CḶPeC- PjC-C†C,CḶC,Cḡ PeP°P»CḡC†C-PM̄, C,P°PeC- CḶPe
CḡPsP·C†PëPS P C-PSPiPµCḡP° P°P±Ps CḡPsP·C†PëPS P”P°CḡC,PjP°PSP°, PrP»CḶ
CḡPsP·C†PëPSPµPSPSCḶ C†PµC,,C,CḡPëP°PeC†PsPSC† C† C,,P»P°PePsPSP°C... P°P±Ps PrP»CḶ
PīPsPrP°P»CḡC€PsPiPs CḡPsP·PIPµPrPµPSPSCḶ PIC-PrPSPsPiP»PµPSPsPiPs CḡPsP·C†PëPSC†
PrP»CḶ PIPSC†C,CḡC-C€PSCḡPsPIPµPSPSPsPiPs PIPiPµPrPµPSPSCḶ, PsC†PeC-P»CḡPePë
PjPsP¶Pµ C†C,PIPsCḡPëC,PëC†CḶ PīCḡPµC†PëPīC-C,P°C,. P”PëPSPëPePSPµPSPSCḶ
PīCḡPµC†PëPīC-C,P°C,C-PI PeP°P»CḡC†C-C”PIPëC... C†PsP»PµPM̄ C†PµC,,C,CḡPëP°PeC†PsPSC†
C,P°PePsP¶ PjPsP¶Pµ PIC-PrP±C†PIP°C,PëC†CḶ PīCḡPë P·PjC-C€C†PIP°PSPSC-
C†PµC,,C,CḡPëP°PeC†PsPSC† P· CḡPsP·C†PëPSP°PjPë, CḶPeC- PjC-C†C,CḶC,Cḡ
PeP°P»CḡC†C-PM̄ PI PsPrPSC-PM̄ C-PSC,,C†P·C-PM̄PSC-PM̄ C†PëC†C,PµPjC- PrP»CḶ
PIPSC†C,CḡC-C€PSCḡPsPIPµPSPSPsPiPs PIPiPµPrPµPSPSCḶ. PŷPsPjC† PSPµ PjPsP¶PSP°
P·PjC-C€C†PIP°C,Pë P°P±Ps PsPrPSPsC†P°C†PSPs PIPiPsPrPëC,Pë C†PµC,,C,CḡPëP°PeC†PsPS
C-P· CḡPsP·C†PëPSP°PjPë, CḶPeC- PjC-C†C,CḶC,Cḡ PeP°P»CḡC†C-PM̄ (PrPëPI.
CḡPsP·PrC-P»Pë B«PµCḡPsC,PëPīPsPeP°P·P°PSPSCḶB», B«PḡC†PsP±P»PëPiPsC†C,C-
P·P°C†C,PsC†C†PIP°PSPSCḶB» C,P° B«PḡC†C†PjC-C†PSC-C†C,CḡB»).

P— PjPµC,PsCḡ PīPµCḡPµPrPsPīPµCḡP°C†C-PM̄PSPsC— PīCḡPsC,,C-P»P°PeC,PëPePë
C-PSC,,PµPeC†C-PM̄ C† PjC-C†C†C- C...C-CḡC†CḡPiC-C†PSPsPiPs PIC,CḡC†C†P°PSPSCḶ
C†PµC,,C,CḡPëP°PeC†PsPS C†P»C-Pr PIPiPsPrPëC,Pë P·P° 30ḡḡ“90 C...PIPëP»PëPS PrPs
C...C-CḡC†CḡPiC-C†PSPsPiPs PIC,CḡC†C†P°PSPSCḶ.

P”C-C,Pë

PµCḡPµPīP°CḡP°C, P·P°C†C,PsC†PsPIC†PIP°C,Pë PrC-C,CḶPj P·PiC-PrPSPs P·
PrPsP·C†PIP°PSPSCḶPj, PIPeP°P·P°PSPëPj C† CḡPsP·PrC-P»C- B«PŷPīPsC†C-P±
P·P°C†C,PsC†C†PIP°PSPSCḶ C,P° PrPsP·PëB».

PµPµCḡPµPrPsP·C¿PIP°PSPSCḶ

Pj CḡP°P·C- PīPµCḡPµPrPsP·C†PIP°PSPSCḶ PīPµPjPsPrC-P°P»C-P· P°P±Ps

$P - P_{\pm}P_sPeCzPsCTjPiP^{\circ}PSC-PI\ C\acute{I}P\rangle C\acute{z}C...C\acute{z}C-CCTjC-PIPSPsPIP^{\circ}PiP\ddot{e}: C\ddagger P^{\circ}C\acute{I}C,P_sC,P^{\circ}$
 $PSP\mu PIC-P\tau PsPjP^{\circ a}\ \text{в}\overline{T}''\ PIP\mu CTjC,P\ddot{e}PiPs.$

$P - P \pm PsPeC \acute{e} PsC\grave{H}PiP^{\circ}PSC - PI PrP\ddot{e}C \dots P^{\circ}PSPSC\grave{I}I, PiC\grave{H}C \acute{e} PrPSPsC - PeP \gg C - C, PeP\ddot{e} C, P^{\circ} C\acute{I}P\mu C\grave{H}P\mu PrPsC\acute{I}C, C - PSPSC\grave{I}I: C\grave{H}C - PrPePs PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " P \pm C\grave{H}PsPSC \dots PsC\acute{I}P\ddot{I}P^{\circ}P \cdot Pj. P - P \pm PsPeC \acute{e} C\epsilon P \gg C \acute{e} PSPePsPIPs - PeP\ddot{e}C\epsilon PePsPIPsPiPs C, C\grave{H}P^{\circ}PeC, C \acute{e}: PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " PrC - P^{\circ}C\grave{H}P\mu C\grave{I}I^b, C\grave{H}C - PrPeC - PIP\ddot{e}PiPsC\grave{H}PsP\P PSP\mu PSPSC\grave{I}I; PSP\mu PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " PSC\acute{I}PrPsC, P^{\circ}, P \pm P \gg C\grave{H}PIP^{\circ}PSPSC\grave{I}I; C \ddagger P^{\circ}C\acute{I}C, PsC, P^{\circ} PSP\mu PIC - PrPsPjP^{\circ a} B\grave{H} " PiP^{\circ}PSPeC\grave{H}P\mu P^{\circ}C, P\ddot{e}C, ^b, C\acute{I}C, PsPjP^{\circ}C, P\ddot{e}C, , PiP \gg PsC\acute{I}P\ddot{e}C, .$

$P - P \pm PsPeC \acute{e} PiP\mu PiP^{\circ}C, PsP \pm C - P \gg C - P^{\circ}C\grave{H}PSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P\mu PjP\ddot{e}: PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " PiC - PrPIP\ddot{e}C \% P\mu PSPSC\grave{I}I C\grave{H}C - PIPSC\grave{I}I PiP\mu C \ddagger C - PSPePsPIP\ddot{e}C \dots C, , P\mu C\grave{H}PjP\mu PSC, C - PI; C \ddagger P^{\circ}C\acute{I}C, PsC, P^{\circ} PSP\mu PIC - PrPsPjP^{\circ a} B\grave{H} " PiC\grave{H}P\mu C \ddagger P\ddot{e}PiC - C, P^{\circ}C, P\ddot{e} C\acute{r} P\P PsPIC \ddagger PSPsPjC\acute{r} PjC - C \dots C\acute{r}C\grave{H}C - ^b, C\grave{I}PrP\mu C\grave{H}PSP^{\circ} P\P PsPIC, C\grave{I}PSP\ddot{e}C \ddagger C\grave{I}I, PiP\mu PiP^{\circ}C, P\ddot{e}C, ^1, C \dots PsP \gg P\mu C\acute{I}C, P^{\circ}C, P\ddot{e}C \ddagger PSP\ddot{e}PN\grave{e} PiP\mu PiP^{\circ}C, P\ddot{e}C, ^1, ^2.$

$P - P \pm PsPeC \acute{e} C\epsilon PeC - C\grave{H}P\ddot{e} C - PiC - PrC\epsilon PeC - C\grave{H}PSPsC - PeP \gg C - C, PePsPIP\ddot{e}PSP\ddot{e}: PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " PIP\ddot{e}C\acute{I}P\ddot{e}PiP^{\circ}PSPSC\grave{I}I; PSP\mu PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " C\acute{I}PIP\mu C\grave{H}P \pm C - P\P; C\grave{H}C - PrPePs PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " PeC\grave{H}PsPiP\ddot{e}PiB\grave{H} ^{tm} C\grave{I}PSPeP^{\circ}; C \ddagger P^{\circ}C\acute{I}C, PsC, P^{\circ} PSP\mu PIC - PrPsPjP^{\circ a} B\grave{H} " C\acute{I}P\ddot{e}PSPrC\grave{H}PsPj P\check{Y}C, C - PIP\mu PSC\acute{I}P^{\circ} - P^{\circ}P\P PsPSC\acute{I}PsPSP^{\circ b}, C, PsPeC\acute{I}P\ddot{e}C \ddagger PSP\ddot{e}PN\grave{e} P\mu PiC - PrP\mu C\grave{H}PjP^{\circ}P \gg C\grave{H}PSP\ddot{e}PN\grave{e} PSP\mu PeC\grave{H}PsP \gg C - P \cdot ^b, PjC\acute{r}P \gg C\grave{H}C, P\ddot{e}C, , PsC\grave{H}PjPSP^{\circ} P\mu C\grave{H}P\ddot{e}C, P\mu PjP^{\circ}, PiPsC\acute{I}C, C\grave{H}P\ddot{e}PN\grave{e} PiP\mu PSP\mu C\grave{H}P^{\circ}P \gg C - P \cdot PsPIP^{\circ}PSP\ddot{e}PN\grave{e} P\mu PeP \cdot P^{\circ}PSC, P\mu PjP^{\circ}C, PsP \cdot PSP\ddot{e}PN\grave{e} PiC\acute{r}C\acute{I}C, C\acute{r}P \gg C\grave{H}PsP \cdot, C\grave{H}P\mu P^{\circ}PeC \ddagger C - C - PSP^{\circ} PiC\grave{H}P\mu PiP^{\circ}C\grave{H}P^{\circ}C, P \cdot P\mu PsP \cdot P\ddot{e}PSPsC, , C - P \gg C - C^{\circ}C\grave{H} C, P^{\circ} C\acute{I}P\ddot{e}C\acute{I}C, P\mu PjPSP\ddot{e}PjP\ddot{e} C\acute{I}P\ddot{e}PjPiC, PsPjP^{\circ}PjP\ddot{e} (DRESS) ^b.$

$P - P \pm PsPeC \acute{e} PSP\ddot{e}C\grave{H}PsPe C, P^{\circ} C\acute{I}P\mu C \ddagger PsPIP\ddot{e}PrC - P \gg C\grave{H}PSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P\mu PjP\ddot{e}: C\grave{H}C - PrPePs PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " PiP\mu PjP^{\circ}C, C\acute{r}C\grave{H}C - C\grave{I}I, PiP \gg C\grave{H}PePsP \cdot C\acute{r}C\grave{H}C - C\grave{I}I; C \ddagger P^{\circ}C\acute{I}C, PsC, P^{\circ} PSP\mu PIC - PrPsPjP^{\circ a} B\grave{H} " PsP \gg C - PiC\acute{r}C\grave{H}C - C\grave{I}I, C\acute{r}C, PIPsC\grave{H}P\mu PSPSC\grave{I}I PiC\grave{H}P\mu C \ddagger P\ddot{e}PiC - C, P^{\circ}C, C - PI C\acute{r} PSP\ddot{e}C\grave{H}PeP^{\circ}C \dots (PsP \pm PsC\grave{H}PsC, PSC -).$

$P - P^{\circ}PiP^{\circ}P \gg C\grave{H}PSC - C\grave{H}PsP \cdot P \gg P^{\circ}PrP\ddot{e} C, P^{\circ} C\grave{H}P\mu P^{\circ}PeC \ddagger C - C - C \acute{e} PjC - C\acute{I}C \ddagger C - PIPiP\mu PrP\mu PSPSC\grave{I}I PiC\grave{H}P\mu PiP^{\circ}C\grave{H}P^{\circ}C, C \acute{e}: PSP\mu PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " C, , P \gg P\mu P \pm C - C, , P \pm C - P \gg C\grave{H} C\acute{r} PjC - C\acute{I}C \ddagger C - C - PS^{\circ}C^{\circ}PeC \ddagger C - C - , PiC\grave{H}PsPiP^{\circ}C\acute{I}PSP\ddot{e}C \ddagger C\grave{I}I; C\grave{H}C - PrPePs PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " PSP^{\circ}P \pm C\grave{H}C\grave{I}Pe, PsP \cdot PSPsP \pm.$

$P^{\circ}P^{\circ}PSC - P \gg P^{\circ}P \pm PsC\grave{H}P^{\circ}C, PsC\grave{H}PSP\ddot{e}C \dots P^{\circ}PSP^{\circ}P \gg C - P \cdot C - PI: PSP\mu PiPsC\epsilon Pe\ddot{e}C\grave{H}P\mu PSC - B\grave{H} " PiC - PrPIP\ddot{e}C \% P\mu PSPSC\grave{I}I C\grave{H}C - PIPSC\grave{I}I PeC\grave{H}P\mu P^{\circ}C, P\ddot{e}PSC - PSC\acute{r} C\acute{r} PeC\grave{H}PsPIC - ; C \ddagger P^{\circ}C\acute{I}C, PsC, P^{\circ} PSP\mu PIC - PrPsPjP^{\circ a} B\grave{H} " C \dots P\ddot{e}P \pm PSPsPiPsP \cdot P\ddot{e}C, P\ddot{e}PIPSC - C\grave{H}P\mu P \cdot C\acute{r}P \gg C\grave{H}C, P^{\circ}C, P\ddot{e} C, P\mu C\acute{I}C, C\acute{r} P\grave{H}C\acute{r}PjP \pm C\acute{I}P^{\circ b}, C \dots P\ddot{e}P \pm PSPsPiPsP \cdot P\ddot{e}C, P\ddot{e}PIPSC - C\grave{H}P\mu P \cdot C\acute{r}P \gg C\grave{H}C, P^{\circ}C, P\ddot{e} P^{\circ}PSP^{\circ}P \gg C - P \cdot C\acute{r} PSP^{\circ} PiP^{\circ}P \gg P^{\circ}PeC, PsP \cdot P\mu PjC - C\grave{H}^b, C \dots P\ddot{e}P \pm PSPsPiPsP \cdot P\ddot{e}C, P\ddot{e}PIPSC - C\grave{H}P\mu P \cdot C\acute{r}P \gg C\grave{H}C, P^{\circ}C, P\ddot{e} PSP\mu C, , P\mu C\grave{H}PjP\mu PSC, PSP\ddot{e}C \dots PjP\mu C, PsPrC - PI PIP\ddot{e}P \cdot PSP^{\circ}C \ddagger P\mu PSPSC\grave{I}I PiP \gg C\grave{H}PePsP \cdot P\ddot{e}^b.$

^{aB B} $P\acute{K}P^{\circ} PsC\acute{I}PSPsPIC - PiPsC\acute{I}C, PjP^{\circ}C\grave{H}PeP\mu C, P\ddot{e}PSPiPsPIP\ddot{e}C \dots P \cdot PIC - C, C - PI. P\grave{h}C\acute{I}PeC - P \gg C\grave{H}PeP\ddot{e} C - PSC, , PsC\grave{H}PjP^{\circ}C \ddagger C - C\grave{I}I PiC\grave{H}Ps C \ddagger C - C\grave{H}P\mu P^{\circ}PeC \ddagger C - C - PrPsP \pm C\grave{H}PsPIC - P \gg C\grave{H}PSPs PSP^{\circ}PrC \dots PsPrP\ddot{e}C, C\grave{H} PIC - Pr PSP^{\circ}C\acute{I}P\mu P \gg P\mu PSPSC\grave{I}I PSP\mu PIP\ddot{e}P \cdot PSP^{\circ}C \ddagger P\mu PSPsC - PeC - P \gg C\grave{H}PePsC\acute{I}C, C -, PSP\mu PjPsP\P P \gg P\ddot{e}PIPs PrPsC\acute{I}C, PsPIC - C\grave{H}PSPs PsC \ddagger C - PSP\ddot{e}C, P\ddot{e} C - C \dots C \ddagger P^{\circ}C\acute{I}C, PsC, C\acute{r}, C\acute{r} P \cdot PiB\grave{H} ^{tm} C\grave{I}P \cdot PeC\acute{r} P \cdot C \ddagger P\ddot{e}Pj PIPsPSP^{\circ} C \dots P^{\circ}C\grave{H}P^{\circ}PeC, P\mu C\grave{H}P\ddot{e}P \cdot C\acute{r}C^{\circ}C, C\grave{H}C\acute{I}C\grave{I}I C\grave{I}Pe PSP\mu PIC - PrPsPjP^{\circ}.$

^b $P^{\circ}P\ddot{e}PI. C\grave{H}PsP \cdot PrC - P \gg B \ll P\grave{h}C\acute{I}PsP \pm P \gg P\ddot{e}PIPsC\acute{I}C, C - P \cdot P^{\circ}C\acute{I}C, PsC\acute{I}C\acute{r}PIP^{\circ}PSPSC\grave{I}IB \gg.$

¹ $P - P^{\circ}P \cdot PIP\ddot{e}C \ddagger P^{\circ}PN\grave{e} PjP^{\circ}C^{\circ} PsP \pm PsC\grave{H}PsC, PSP\ddot{e}PN\grave{e} C \dots P^{\circ}C\grave{H}P^{\circ}PeC, P\mu C\grave{H} PiC\grave{H}P\ddot{e}$

P—P°C₇PμC''CfC,C₇PsPIP°PSC- PIPëPiP°PrPePë CrC,PIPsC₇PμPSPSCI
PiC₇PμC†PëPiC-C,P°C,C-PI PeP°P»CHC†C-C''PIPsC— CfPsP»C- C†PμC,,C,C₇PëP°PeCfPsPSCr Cr
P¶PsPIC‡PSPsPjCr PjC-C...CrC₇C-, PiPμC₇PμPIP°P¶PSPs Cr PiP°C†C-C''PSC,C-PI, C¶PePëPj
PiC₇PμPiP°C₇P°C, PIPiPsPrPëP»Pë Cr PrPsP·P°C..., PIPëC%PëC... P·P° CfC,P°PSPPrP°C₇C,PSCr
C₇PμPePsPjPμPSPrPsPIP°PSCr PrPsP·Cr. PJ PrC-C,PμPN₂, P·P° PrP°PSPëPjPë
PiC₇PsCfPiPμPeC,PëIPSPëC... PrPsCfP»C-PrP¶PμPSCH, C‡P°CfC,PsC,P° CrC,PIPsC₇PμPSPSCI

$P_i P_j C_{,,} C, C \bar{H} P \bar{P} \bar{P}^{\circ} P e C \bar{I} P s P S P S P_{\mu} P_j P s P \bar{I} P S P^{\circ} P \cdot P_j C - C \bar{e} C \bar{I} P I P^{\circ} C, P \bar{e} P \cdot$
 $P e P^{\circ} P \gg C H C \bar{I} C - P M \bar{I} P I P_j C - C \bar{I} P S P \bar{P} P_j P \bar{e} C \bar{H} P s P \cdot C \bar{I} P \bar{e} P S P^{\circ} P_j P \bar{e}, C, P^{\circ} P e P \bar{e} P_j P \bar{e} C \bar{I} P e C \bar{H} P s P \cdot C \bar{I} P \bar{e} P S$
 $P C - P S P i P_{\mu} C \bar{H} P^{\circ} P^{\circ} P \pm P s C \bar{H} P s P \cdot C \bar{I} P \bar{e} P S P^{\circ} P^{\circ} C \bar{H} C, P_j P^{\circ} P S P^{\circ}.$

P_iP_μC_{„C}CH₃P_öP°PeC₁P_sPS P_SP_μC₁C₁P_jC-C₁P_SP_öP_N P· P°P_jC₁P°PeC₃P_öP_SP_j,
PIP°P_SPe_sP_jC-C₁P_öP_SP_j, C_{„P}»C₁Pe_sP_SP°P·P_sP»P_sP_j C- P°P_jC-P_SP_sP_iP»C-Pe_sP·P_öP_rP°P_jP_ö.
P_kP_μ C₁P»C-P_r P·P_jC-C₁C₁PIP°C,P_ö P· C-P_SC₁P_öP_jP_ö C₃P_sP·C₁P_öP_SP_SP_öPe_sP°P_jP_ö, PeC₃C-P_j
C,P_öC..., C%_oP_s P·P°P·P_SP°C₁P_μP_SC- C₁ C₃P_sP·P_rC-P»C- B«P₃P_iP_sC₁C-P±
P·P°C₁C,P_sC₁C₁PIP°P_SP_SC₁ C,P° P_rP_sP·P_öB».

P_jP_iP°Pe_sPIP°Pe°

P_μP_s 1 P_i P_iP_sC₃P_sC₁Pe_sC₁ C₁ C₁P_eP»C₁P_SP_sP_jC₁ C_{„P}»P°Pe_sP_SC-; P_iP_s 1 P°P±P_s 10
C_{„P}»P°Pe_sP_SC-PI C₁ Pe_sP°C₃C,P_sP_SP_SC-P_N Pe_sC₃P_sP±C₁C-.

P₃P°C,P_μP_iP_sC₃C-C₁ PIC-P_rP_iC₁C₁Pe_sC₁. P—P° C₃P_μC₁P_μP_iC,P_sP_j.

P°P_öC₃P_sP±P_SP_öPe

P₃P_iP₃ P°P₃P°P₃P₃ P₃.P_μ.P₃.

**P₃C-C₁C₁P_μP·P_SP°C...P_sP_rP₃P_μP_SP_SC₁ PIP_öC₃P_sP±P_SP_öPe_sP° C,P°
P°P_rC₃P_μC₁P° P_jC-C₁C₁C₁ P_iC₃P_sPIP°P_rP₃P_μP_SP_SC₁ P_NP_sP_iP_s
P_rC-C₁P»C₃P_SP_sC₁C,C-**

P_kP_rP₃P°P·P₃ P₁P_kP°P_jP₃P₃P P₁P₃P°P· P₃. P₃P₃P₃P₃ (P°P₃P₃. P₃. P_kP₁P₃P₃P°P₃' P₃
P₃P₃P P°P₁P_kP₃), 64100 P₃P°P P₃P₃P₃ (P₃P°), P₁C,P°P»C-C₁ P°P±P_s P°P₁P₃
P₃P°P·P₃P₃P₃P_kP°P P₃ P₃P°P·P₃P₁P_kP°, 2, P°P·P P₃P_kP₃ (P°P), 37135, P₁C,P°P»C-C₁.