

język	lem	slowo	notes
$\omega = xxy \wedge x \neq \varepsilon$	LOP	ab^na^n	$i = 0$
$\omega = xy yz \wedge y \neq \varepsilon$	reg	$len \geq 4$	dobrac krótsze
$\omega \omega^R \wedge \omega _a \equiv \omega _b \equiv 0(mod13)$	LOP	$a^{13n}b^{13n}b^{13n}a^{13n}$	ozn.
$\omega : \omega _a \equiv \omega _b(mod3)$	reg	mini	
$\omega = xy y^R \wedge y \neq \varepsilon$	reg	2 obok	
$\omega : palindrom \wedge \omega _a = \omega _c$	LOP	$a^nc^nc^na^n$	
$\omega = xcycz \wedge xy \text{ i } yz \in \{a,b\}^*$ palindromy	Ogd	a^mbca^mcbam	śr. ozn.
$ \omega _a = \omega _b$	bezk.		
$ \omega _a = \omega _b = \omega _c$	LOP	$a^nb^nc^n$	
$\omega : \omega _a \neq \omega _b \neq \omega _c$	Ogd	$a^{m+m!}b^ma^{m+m!}$	ozn b.
$\omega : \omega _a = \omega _b = \omega _c$	LOP	$a^nb^nc^n$	i=0
$\omega : \omega _a = \omega _c > \omega _b$	LOP	$a^{n+1}b^nc^{n+1}$	
$\omega \omega \omega$	LOP	$0^n1^n0^n1^n0^n1^n$	i=0
$\omega \omega^R \omega$	LOP	$0^n1^n1^n0^n0^n1^n$	i=0
$a^nc^kb^n : n \neq k$	Ogd	$a^{n!+n}c^nb^{n!+n}$	

Reku : $A \rightarrow A\alpha|B$

$A \rightarrow \beta A'$

$A' \rightarrow \alpha A'|\varepsilon$

Fakto : $A \rightarrow \alpha\beta_1|...|\alpha\beta_k$

$A \rightarrow \alpha A'$

$A' \rightarrow \beta_1|...|\beta_k$