** Closure Properties of Language

	Property	Regular	CFL	DCFL	CSL	Recursive	RE
	Union	yes	yes	No	yes	yes	yes
**	Intersection	Yes	NO	NO	yes	yes	yes
	set Difference	yes	NO	NO	yes	yes	NO.
**	Complementation	yes	NO	yes	yes	yes	NO
	Intersection with RL	Yes	Yes	yes	yes	yes	yes
	Concatination	Yes	Yes	NO	yes	yes	Yes
	Kleene closure	yes	yes	NO	yes	Yes	yes
	Kleen plus	yes	yes	NO	Yes	Yes	Yes
	Reversal	Yes	yes	NO	yes	yes	Yes
	Homomorphism	Yes	Yes	NO	NO	NO yes	yes
	ε-fee Homomorphism	yes	yes	NO	Yes	yes	Yes
	Inverse Homomorphism	Yes	Yes	yes	yes	yes	Yes
	Subsitution	yes	yes	NO	NO	No	yes
	ε-free Substitution	yes	yes	NO	yes	yes	yes