

Minimun Pumping Lemma (December 17, 2018)		
Comment	Input	Result
	$100U(10)^*$	Input string: $100U(10)^*$ Minimun pumping length: 4 Minimun string: 1010 X: e, Y: 10, Z: 10
	1^*	Input string: 1^* Minimun pumping length: 1 Minimun string: 1 X: e, Y: 1, Z: e
	$(10)^*$	Input string: $(10)^*$ Minimun pumping length: 2 Minimun string: 10 X: e, Y: 10, Z: e
	10U100	Input string: 10U100 Minimun pumping length: 4 Minimun string: X: , Y: , Z:
	$1010U(10)^*$	Input string: $1010U(10)^*$ Minimun pumping length: 2 Minimun string: 10 X: e, Y: 10, Z: e
	1010U10U100	Input string: 1010U10U100 Minimun pumping length: 5 Minimun string: X: , Y: , Z:
	$(10)^*U(01)^*$	Input string: $(10)^*U(01)^*$ Minimun pumping length: 2 Minimun string: 10 X: e, Y: 10, Z: e
	$(1U0)^*$	Input string: $(1U0)^*$ Minimun pumping length: 1 Minimun string: 1 X: e, Y: 1, Z: e
	$(11U00)^*$	Input string: $(11U00)^*$ Minimun pumping length: 2 Minimun string: 11 X: e, Y: 11, Z: e
	$(11U0)^*$	Input string: $(11U0)^*$ Minimun pumping length: 1 Minimun string: 0 X: e, Y: 0, Z: e

Problem from hw 2 ->	$(1U0)^*101(1U0)^*$	Input string: $(1U0)^*101(1U0)^*$ Minimun pumping length: 4 Minimun string: 1101 X: e, Y: 1, Z: 101
Problem from hw 2 ->	$001U0^*1^*$	Input string: $001U0^*1^*$ Minimun pumping length: 1 Minimun string: 1 X: e, Y: 1, Z: e
Problem from hw 2 ->	$1^*01^*01^*$	Input string: $1^*01^*01^*$ Minimun pumping length: 3 Minimun string: 100 X: e, Y: 1, Z: 00
	$(11U00)^*101(10U01)^*$	Input string: $(11U00)^*101(10U01)^*$ Minimun pumping length: 5 Minimun string: 11101 X: e, Y: 11, Z: 101
	$(11U00)^*100(10U01)^*$	Input string: $(11U00)^*100(10U01)^*$ Minimun pumping length: 5 Minimun string: 11100 X: e, Y: 11, Z: 100
	"" (empty string)	Minimun Pumping Length: 1 Minimun string: X: , Y: , Z:
	$(Haiping)^*$	Input string: $(Haiping)^*$ Minimun pumping length: 7 Minimun string: Haiping X: e, Y: Haiping, Z: e
E used since e is epsilon	$(HaipingUJosuE)^*$	Input string: $(HaipingUJosuE)^*$ Minimun pumping length: 5 Minimun string: JosuE X: e, Y: JosuE, Z: e
	$1^*0^*1^*$	Input string: $1^*0^*1^*$ Minimun pumping length: 1 Minimun string: 1 X: e, Y: 1, Z: e