











	Mini-batch:	X_1	X_2	X_3	X_4		
		1	0	3	0		
		0	3	1	1		Batch Statistics
		2	1	0	2		
Line	ear Layer	1	1	1	1		Σ μ σ² σ
	1 0 1 0		-		M	ReLU	
	1 1 0 -1		-		3		
	0 2 -1 0			8	3	~	
	Normalize					μ	
	Normanze					\cap \square	Sum (Σ) Mean (μ)
						Θ	Variance (σ²)
							Std Dev (σ)
							LJ
						σ	
						(±)	
	1 1 1 1						
	Scale & Sh	nift		2 (0	0	Trainable
				0 3	0	0	Parameters
				0 0	-1	1	
						Next Layer	
					0	2024 Tom Yeh	