•	• -		_					
Quantiz	ation: Con			higher	memory	format	to	
	lower memor	y for	mat.					
		· ·						
			1.1			Cu tiá		
	weights of model	32 bits	32 bits		•	full precision	on 32	
	- Moore					O(12		
			7013.					
			32 bits					
We can	convert this	5 32	bits int	0 861	5.			
	int 32 -> Int 8 > Help w easier Inference							
		_	→ [I]T 8	> Hell	p w casik	rifferen		
How to	perform Qua	antizat	iÓn					
	•						1 17	
() Si	O Symmetric Quantization				2 Asymmetric Quantization			
	,				•			
- (all th	e data is evenly o	tistibut	ed)					
	tric Uint8		<u> </u>					
Jujirinie	MO VINIS	•						
	Γ.ο.	1000	~	Co	2	55		
	Xmin	Xmax		9 min		\max		
				V				
Min/ N	Max Scalar			1 0				
		0		1000				
		<u> </u>						
				255				
	Scale = Xn	nax -	Kmin =	= 3.92				
		nax - a		<u> </u>				
	To the state of th		V					

convert
$$250 \rightarrow gbit$$

$$\Rightarrow \left(\frac{250}{3.92}\right) \Rightarrow 64$$

Conversion:
$$\frac{-20}{4} = -5.0 + 5.0$$
add Same # in
$$+ \text{Ve Sign (zero factor)}$$



