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# Basics of Neural Network — Programming — Computation Graph

# Computation Graph

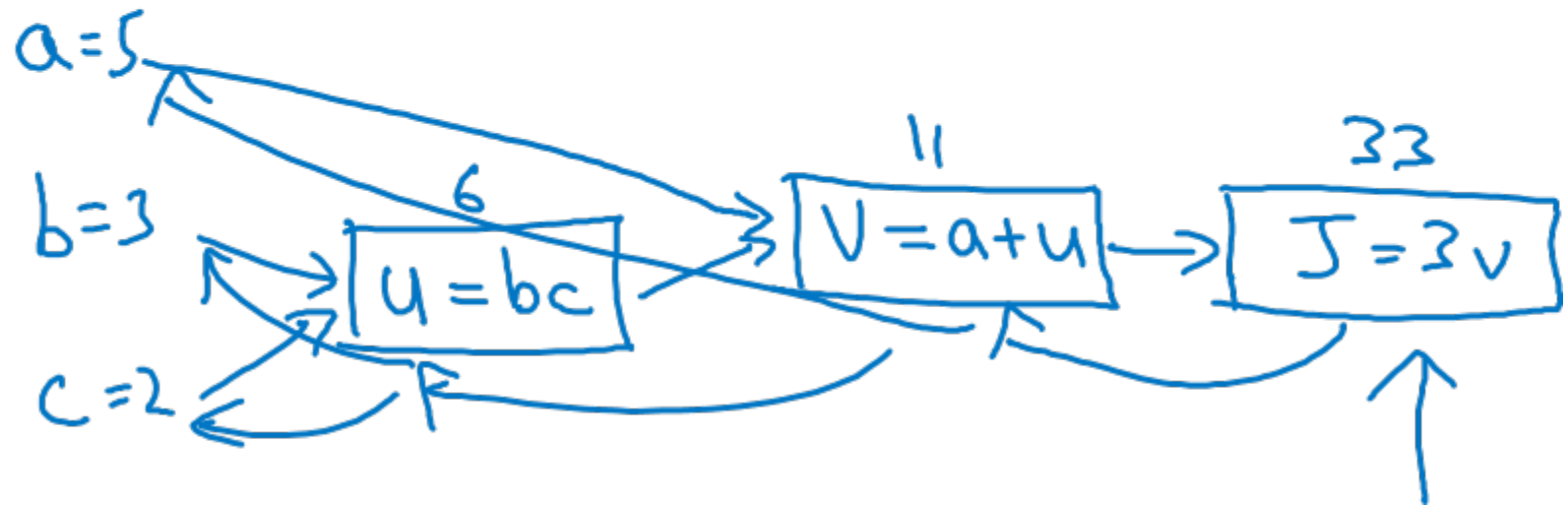
$$J(a,b,c) = 3(a + \underbrace{bc}_u) = 3(5 + \underbrace{3 \times 2}_v) = 33$$

$\underbrace{\hspace{1.5cm}}_J$

$$u = bc$$

$$V = a + u$$

$$J = 3V$$





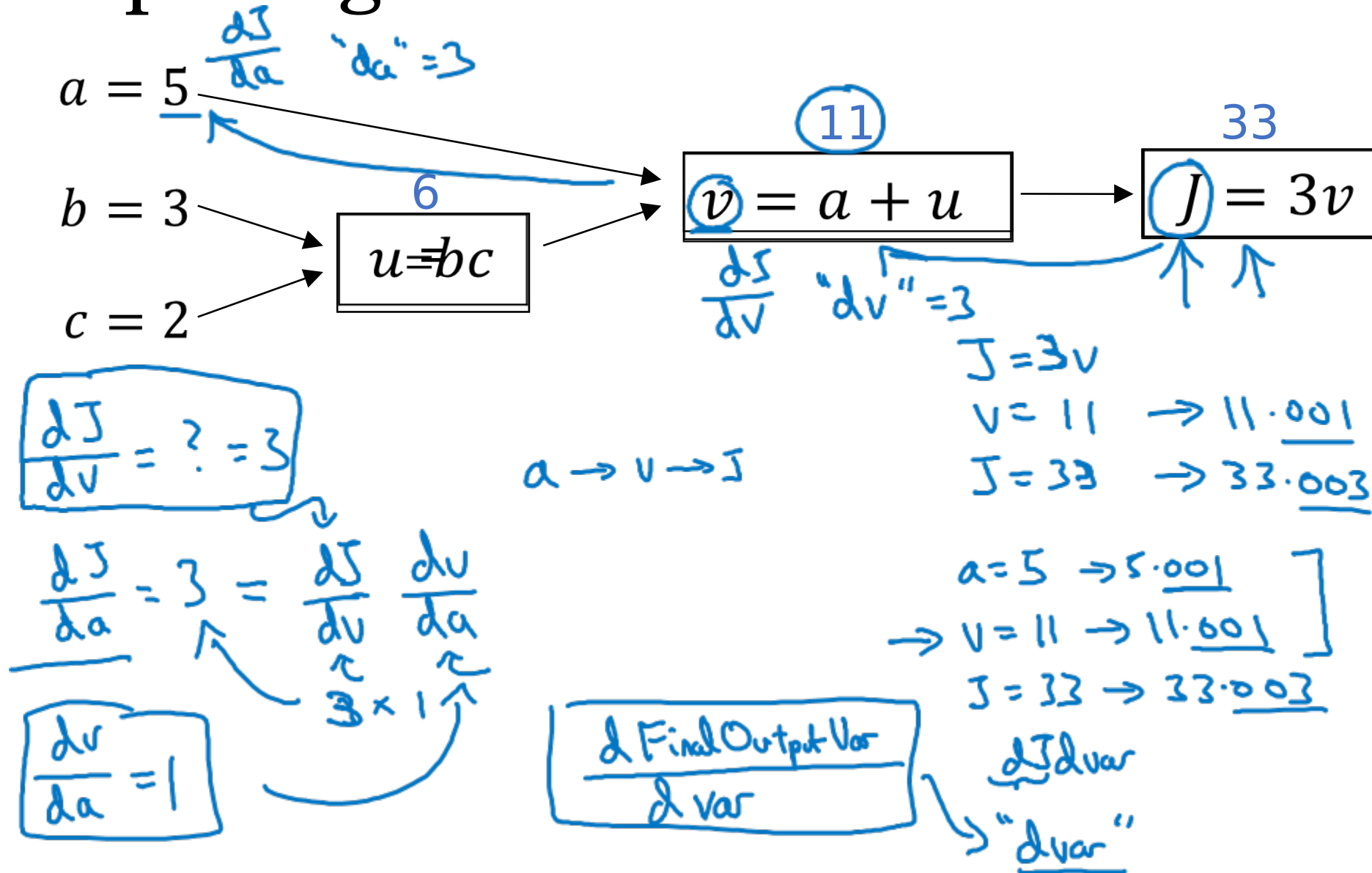
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# Basics of Neural Network

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Programming  
Derivatives with  
a Computation  
Graph

# Computing derivatives



# Computing derivatives

