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# Basics of Neural Network Programming Computation Graph

#### Computation Graph

$$J(a,b,c) = 3(a+bc) = 3(5+3n^2) = 33$$
 $U = bc$ 
 $V = atu$ 
 $J = 3v$ 
 $V = atu$ 
 $J = 3v$ 

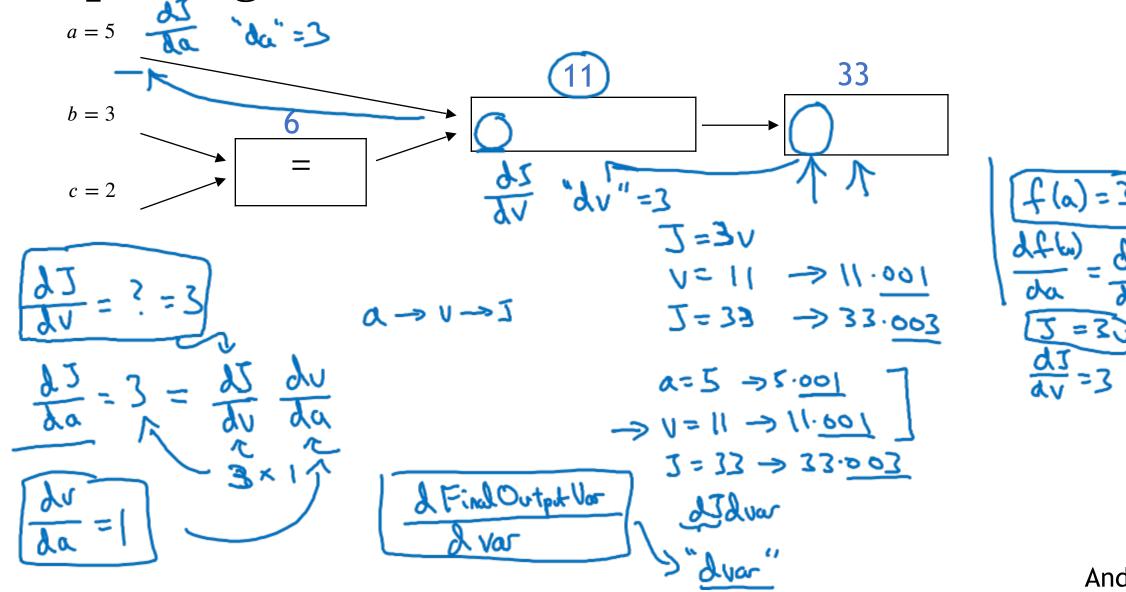


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## Basics of Neural Network

Programming
Derivatives with a
Computation
Graph

### Computing derivatives



Andrew Ng

### Computing derivatives

