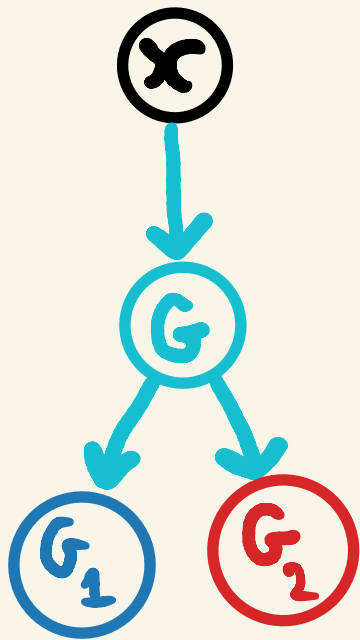


Fan-out: Multiple outputs



$$\text{e.g. } G(x) = \begin{bmatrix} 3x \\ 5x \end{bmatrix} = \overbrace{\begin{bmatrix} 3I \\ 5I \end{bmatrix}}^{G'(x)} x$$

$$\begin{aligned} \Rightarrow v^T G'(x) &= [v_1^T, v_2^T] \begin{bmatrix} 3I \\ 5I \end{bmatrix} \\ &\Rightarrow = 3v_1^T + 5v_2^T \end{aligned}$$

→ VJP, aggregate via addition.