

# Title

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## 1 Essential

`\todo`

$$\binom{n}{k} = \frac{n!}{k!(n-k)!} \tag{1}$$

$$= \frac{1}{2\pi i} \oint_{\Gamma} \frac{(1+z)^n}{z^{k+1}} dz \tag{2}$$

Table 1: Caption

A	B*
a	b
c	d
e	f
g	h

TensorFlow<sup>†</sup> (Abadi et al., 2016), Abadi et al. (2016).  
Section 1 on a page 1, table 1, figure 1, equations (1) and (2).

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\*thanks

<sup>†</sup>thanks

\*footnotemark–footnotetext

<sup>†</sup>footnote

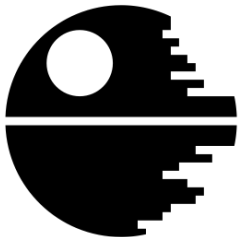


Figure 1: Caption

## 2 Other CO<sub>2</sub>

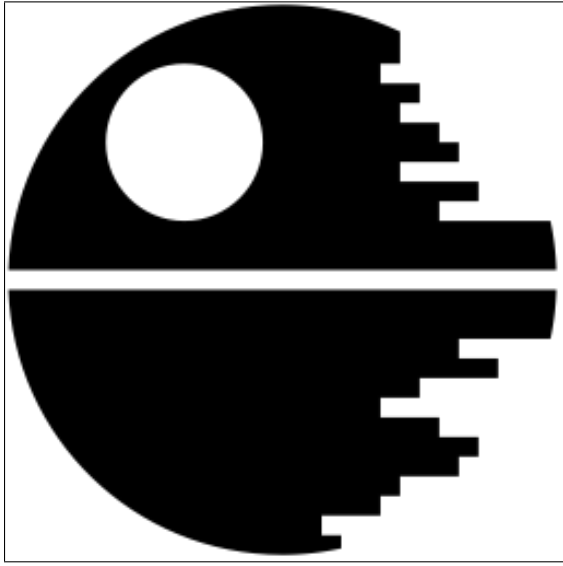
### Subfigures

### Proof

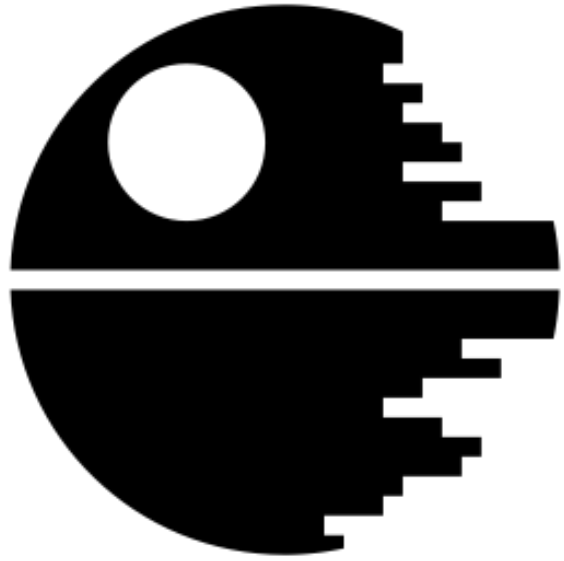
The proof is easy and is left to a reader. □

### Test math

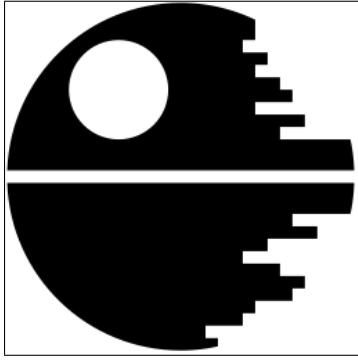
$$\begin{array}{c} \left\langle \frac{\Psi}{1} \middle| \middle| \frac{\Psi}{1} \right\rangle \left\langle \frac{\Psi}{1} \middle| \frac{\Psi}{1} \right\rangle \left\langle n \middle| \prod_k U_k \middle| \frac{x}{1} \right\rangle \left\langle n \middle| \prod_k U_k \middle| \frac{x}{1} \right\rangle \\ \text{Normal}(\mathbf{x} \mid \mu, \sigma^2) \\ \text{Normal}(\mathbf{x} \mid \mu, \sigma^2) \\ \text{Normal}(\mathbf{x} \mid \mu, \sigma^2) \\ \mathcal{N}(\mathbf{x} \mid \mu, \sigma^2) \\ \sum_{n=-\infty}^{+\infty} f(x) \geqslant \geqslant \geqslant \text{med } X \\ \varepsilon + \mathrm{e}^{-\frac{(x-2)^2}{2\sigma^2}} + \text{const} \\ \dot{a}\varepsilon\phi\varphi \\ \not\propto \not\subset \not\subseteq \\ \equiv \doteq \approx \subset \supset \ni \parallel \neq \\ \text{Tr } A = \text{tr } A = \text{var } X = \text{KL}(P \parallel Q) = D_{\text{KL}}(P \parallel Q) \\ \star * \circ \bullet \oplus \otimes \odot \dagger \ddagger \S \\ \oplus \otimes \odot \cup \cap \\ \leftarrow \leftarrow \rightarrow \rightarrow \mapsto \leftrightsquigarrow \rightleftharpoons \Longleftrightarrow \overrightarrow{AB} \rightrightarrows \\ \Box \square \{ \} \langle \rangle \parallel \llcorner \llcorner \llcorner \llcorner \llcorner \llcorner \llcorner \llcorner \llcorner \\ \ell \emptyset \operatorname{Re} \operatorname{Im} \perp \top \angle \square \\ \sim \approx \simeq \propto \doteq \dot{=} \\ \hbar \square \blacksquare \star \emptyset \end{array}$$



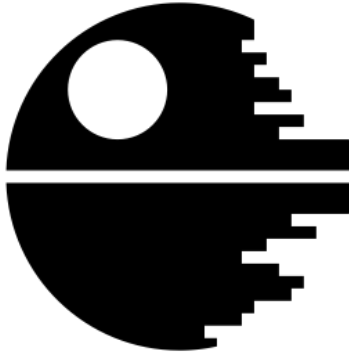
(a) Caption 1



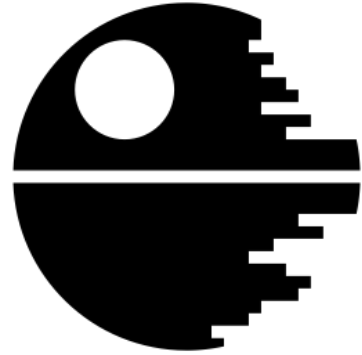
(b) Caption 2



(c) Caption 3



(d) Caption 4



(e) Caption 5

Figure 2: The caption

$$\left\| \begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix} \right\| = \left| \oint_A^B f(z) \, dz \right| = \frac{du}{dx} = \mathcal{F}\mathfrak{F} = \frac{\sum a_{ij}}{\sum b_i \mathfrak{big} \, \text{long thing}} = \sum a_k \quad (3)$$

$$= \frac{\mathbb{P}\left\{\frac{X}{\mathbb{E}X} \leqslant \varepsilon\right\}}{\Pr\left\{\text{Poisson}(\lambda=3) > 5\right\}} = \frac{\partial}{\partial x} \cdot \frac{\partial f}{\partial x} \cdot \frac{\partial^2 f}{\partial x^2} = \frac{\partial}{\partial x} \frac{x^2+1}{x^3+1} \Big|_{x=0} = \frac{\mathrm{d}}{\mathrm{d}x} \frac{x^2+1}{x^3+1} \Big|_{x=0} \quad (4)$$

$$\overline{a} \ A \overset{*}{\approx} B \ \sum_{\substack{0 \leq i < n \\ j \neq i}} f(i) \ \sqrt[3]{P(x)+Q(x)} \ \frac{3}{8} \frac{3}{8} \frac{3}{8} 3/8 \ x=x \ \ x=x \quad (5)$$

## Math fonts

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## Text fonts

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## General formatting

- x y z
- “quote”
- Ph. D.
- Ph. D.
- Ph. D.
- A. B
- A. B
- yo<sub>□</sub>wazup

### 3 Bibliography

Abadi, M., Barham, P., Chen, J., Chen, Z., Davis, A., Dean, J., ... Zheng, X. (2016). Tensorflow: A system for large-scale machine learning. In *12th USENIX symposium on operating systems design and implementation (OSDI 16)* (pp. 265–283). Savannah, GA: USENIX Association. Retrieved from <https://www.usenix.org/conference/osdi16/technical-sessions/presentation/abadi>