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Alice Anonymous and Bob Security ab

<sup>a</sup>Some Institute of Technology, Department, Street, City, State, Zip; <sup>b</sup>Another University Department, Street, City, State, Zip

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<sup>&</sup>lt;sup>1</sup> A.O.(Author One) and A.T. (Author Two) contributed equally to this work (remove if not applicable).

 $<sup>^2\,</sup>$  To whom correspondence should be addressed. E-mail: bob@email.com



Fig. 1. Placeholder image of a frog with a long example caption to show justification settina.

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To allow an equation to span both columns, options are to use the \begin{figure\*}...\end{figure\*} environment mentioned above for figures, or to use the \begin{widetext}...\end{widetext} environment as shown in equation

eqn: example

below.

Please note that this option may run into problems with floats and footnotes, as mentioned in the cuted package documentation. In the case of problems with footnotes, it may be possible to correct the situation using commands \footnotemark and \footnotetext.

$$(x+y)^{3} = (x+y)(x+y)^{2}$$
$$= (x+y)(x^{2} + 2xy + y^{2})$$
$$= x^{3} + 3x^{2}y + 3xy^{3} + x^{3}.$$

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