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| Because Alice | starts off with | two keys, | a public key |  |
| and private key, | we call this a key pair. | Her two keys | are used to | encrypt and decrypt data. |
| What is a key? | Its just a big number | with a mathematical algorithm applied to it. | You cannot\* tell |  |
| what the private key is | based on the public key, | they are different keys | with different algorithm applied to it | but it still produces the same result. |
| All keys in asymmetric | encryption are done as | key pairs | and all you have to do |  |
| is say what key pair | you are using. | (You do this by sending out your public key) | \*You can but it’s a very | long process |