## Letterblock Diceware

Roll two dice per letter (see other side). If you rolled two letters (e.g. BC), choose one at will. Roll at least two blocks of four letters. Each block has $\approx 20$ bits entropy. For block separators add all rolled row-numbers of two consecutive blocks and take modulo 6:

$$
\begin{array}{cccccc}
0 & 1 & 2 & 3 & 4 & 5 \\
\hline . & + & - & = & @ & \%
\end{array}
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## Letterblock Diceware

Letterblock Diceware
www.draketo.de/software/letterblock-diceware

|  | 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | ---: | :--- | :--- | :--- | :--- | :--- |
| 1 | 1 | $A$ | $J$ | a | h | px |
| 2 | 26 | BC | LR | bc | i | r |
| 3 | 37 | DH | N | d | j | $\dagger$ |
| 4 | 48 | E | PX | e | k | u |
| 5 | 59 | FK | U | f | m | V |
| 6 | 0 | QM | VW | gq | 0 | w |

www.draketo.de/software/letterblock-diceware

|  | 1 | 2 | 3 | 4 | 5 | 6 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 1 | A | J | a | h | px |  |
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| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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| 2 | 26 | BC | LR | bc | i | r |
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| :--- | ---: | :--- | :--- | :--- | :--- | :--- |
| 1 | 1 | A | J | a | h | px |
| 2 | 26 | BC | LR | bc | i | r |
| 3 | 37 | DH | N | d | j | $\dagger$ |
| 4 | 48 | E | PX | e | k | u |
| 5 | 59 | FK | U | f | m | V |
| 6 | 0 | QM | VW | gq | o | w |

[^0]
## Letterblock Diceware

www.draketo.de/software/letterblock-diceware

|  | 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | ---: | :--- | :--- | :--- | :--- | :--- |
| 1 | 1 | $A$ | $J$ | a | h | Px |
| 2 | 26 | $B C$ | $L R$ | bc | i | r |
| 3 | 37 | DH | N | d | j | $\dagger$ |
| 4 | 48 | E | PX | e | k | u |
| 5 | 59 | $F K$ | $U$ | f | m | V |
| 6 | 0 | QM | VW | gq | o | w |

Example:
NdhO=OLiP.DwfL

## Letterblock Diceware

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|  | 1 | 2 | 3 | 4 | 5 | 6 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 1 | A | $J$ | a | h | px |  |
| 2 | 26 | BC | LR | bc | i | r |  |
| 3 | 37 | DH | N | d | j | $\dagger$ | ¢ 0 |
| 4 | 48 | E | PX | e | k | u | $\bigcirc$ |
| 5 | 59 | FK | U | $f$ | m | v | O |
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|  | 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | ---: | :--- | :--- | :--- | :--- | :--- |
| 1 | 1 | A | J | a | h | Px |
| 2 | 26 | BC | LR | bc | i | r |
| 3 | 37 | DH | N | d | j | t |
| 4 | 48 | E | PX | e | k | u |
| 5 | 59 | FK | U | f | m | V |
| 6 | 0 | $Q M$ | VW | gq | o | w |

[^1]
## Letterblock Diceware

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|  | 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | ---: | :--- | :--- | :--- | :--- | :--- |
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[^2]
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|  | 1 | 2 | 3 | 4 | 5 | 6 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 1 | A | $J$ | a | h | px |  |
| 2 | 26 | BC | LR | bc | i | r | - |
| 3 | 37 | DH | N | d | j | $\dagger$ | ¢ 0 |
| 4 | 48 | E | PX | e | k | u | $\bigcirc$ |
| 5 | 59 | FK | U | $f$ | m | $\checkmark$ | O |
| 6 | 0 | QM | VW | gq | $\bigcirc$ | w | ¢ Z |


[^0]:    

[^1]:    

[^2]:    

