

Dr. Cattivos geheimer Plan

1. **Verschlüssele** den Text „HALLO“ mit dem Schlüsselwort „HUT“.
Nutze dafür das Vigenère Quadrat.

| | | | | | |
|-------------|---|---|---|---|---|
| Klartext: | H | A | L | L | O |
| Schlüssel: | H | U | T | H | U |
| Geheimtext: | — | — | — | — | — |

2. **Entschlüssele** den Geheimtext „DYEA“ mit dem Schlüsselwort „HUT“.
Nutze dafür das Vigenère Quadrat.

| | | | | |
|-------------|---|---|---|---|
| Geheimtext: | D | Y | E | A |
| Schlüssel: | H | U | T | H |
| Klartext: | — | — | — | — |

3. **Entschlüssele** die geheime Nachricht an Mario mit dem Schlüsselwort _____.

- Ordne jedem Buchstaben einen Schlüsselbuchstaben zu.
- Lies den richtigen Klartext-Buchstaben aus dem Vigenère Quadrat ab.

1. HR LXQ HZBSXMG JMAMD ZWG KMVDR

2. MV KZJNTDPML KEOXQ WQGC

3. ZMKCSZUDRM MNQIMDR

4. BTTWKAD HQXRI UBS HMG

5. EVQLBLMG SSUTSIV TTW

4. **Verschlüssele** die abgeänderte geheime Nachricht an Mario:

| | | | | | | | |
|-------------|---|---|---|---|---|---|---|
| Klartext: | Z | W | E | I | T | E | N |
| Schlüssel: | — | — | — | — | — | — | — |
| Geheimtext: | — | — | — | — | — | — | — |

Das Vigenère Quadrat

Klartext

Schlüsselbuchstaben

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A |
| C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B |
| D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C |
| E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D |
| F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E |
| G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F |
| H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G |
| I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H |
| J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I |
| K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J |
| L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K |
| M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L |
| N | O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M |
| O | P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
| P | Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
| Q | R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P |
| R | S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q |
| S | T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R |
| T | U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S |
| U | V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T |
| V | W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
| W | X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V |
| X | Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W |
| Y | Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X |
| Z | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y |

Verschlüsseln:

1. Suche den Klartext Buchstaben in der ersten Zeile
2. Suche den Schlüsselbuchstaben in der ersten Spalte
3. Lies den Geheimtext-Buchstaben ab.

Entschlüsseln:

1. Suche den Schlüsselbuchstaben in der ersten Spalte.
2. Suche den Geheimbuchstaben in der zugehörigen Zeile.
3. Lies den Klartext-Buchstaben in der ersten Zeile ab.

