

Positive integral friezes

Setting $x_1=x_2=x_3=1$ produces a Conway – Coxeter frieze pattern

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | | 1 | | 1 | | 1 |
| | 1 | | 3 | | 2 | |
| 1 | | 2 | | 5 | | 1 |
| | 1 | | 3 | | 2 | |
| 1 | | 1 | | 1 | | 1 |

- ▶ The above frieze corresponds to the frieze vector $(1, 1, 1)$ relative to $Q = 1 \rightarrow 2 \leftarrow 3$.
- ▶ Given any type \mathbb{A}_3 quiver, there are 14 integer frieze vectors (whose values depend on the quiver).