```
SafeguardedCodec(
    codec=codec,  # any numcodecs codec
    safeguards=[
        dict(
            kind="qoi_eb_stencil",
            # u and v are extracted from the stacked dimension
            qoi="0.5 * (square(X[0]) + square(X[1]))",
            type="abs",
            eb=1.0,
            neighbourhood=[
                # [u, v]: stacked variables
                dict(axis=0, before=0, after=1, boundary="valid"),
            ],
        )
    ],
)
```