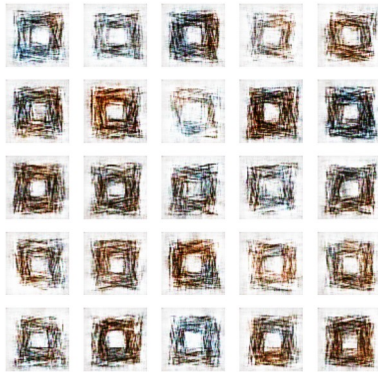


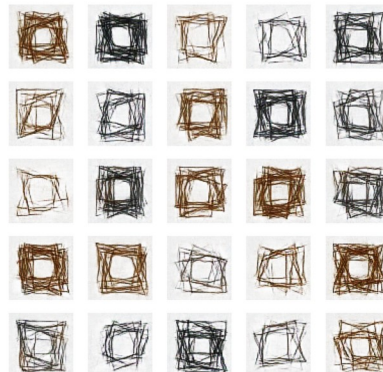
## Discovering GANs – Training the GAN

*Structure de quadrilatères*, Vera Molnar, 1985

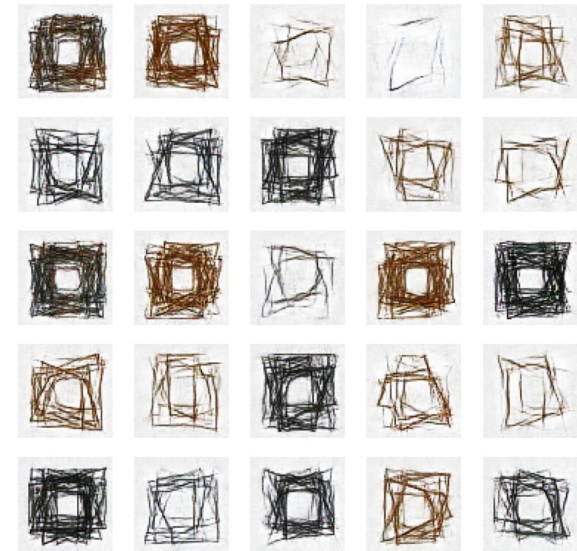
Tristan Debeaune & Wendy Gervais



Sample 300

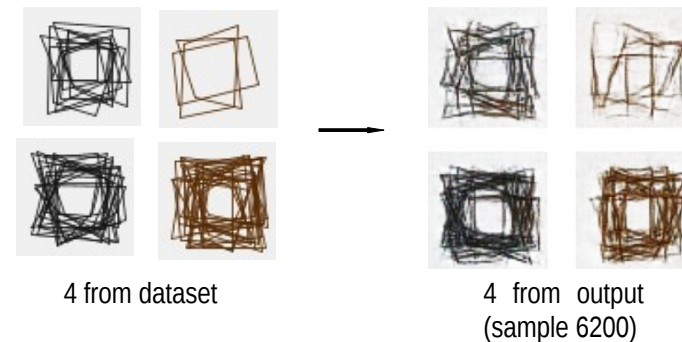


Sample 4200



Sample 6000

We trained the GAN with our **10k dataset**. We asked it for around **6000 epochs**; from the very beginning we could recognize black and brown quads, after nearly 4000 of them the result was very convincing. It managed to recreate the huge diversity in density, colors and dispositions of angles, even though the lines are a bit noisy and blurry, especially when the density of lines is small (e.g sample 6000, line 1, rows 3 and 4), they are shaky and less perceptible as if they were drawn with a pen, which is somehow interesting. Otherwise the results are, to us, very accurate!



4 from dataset

4 from output  
(sample 6200)