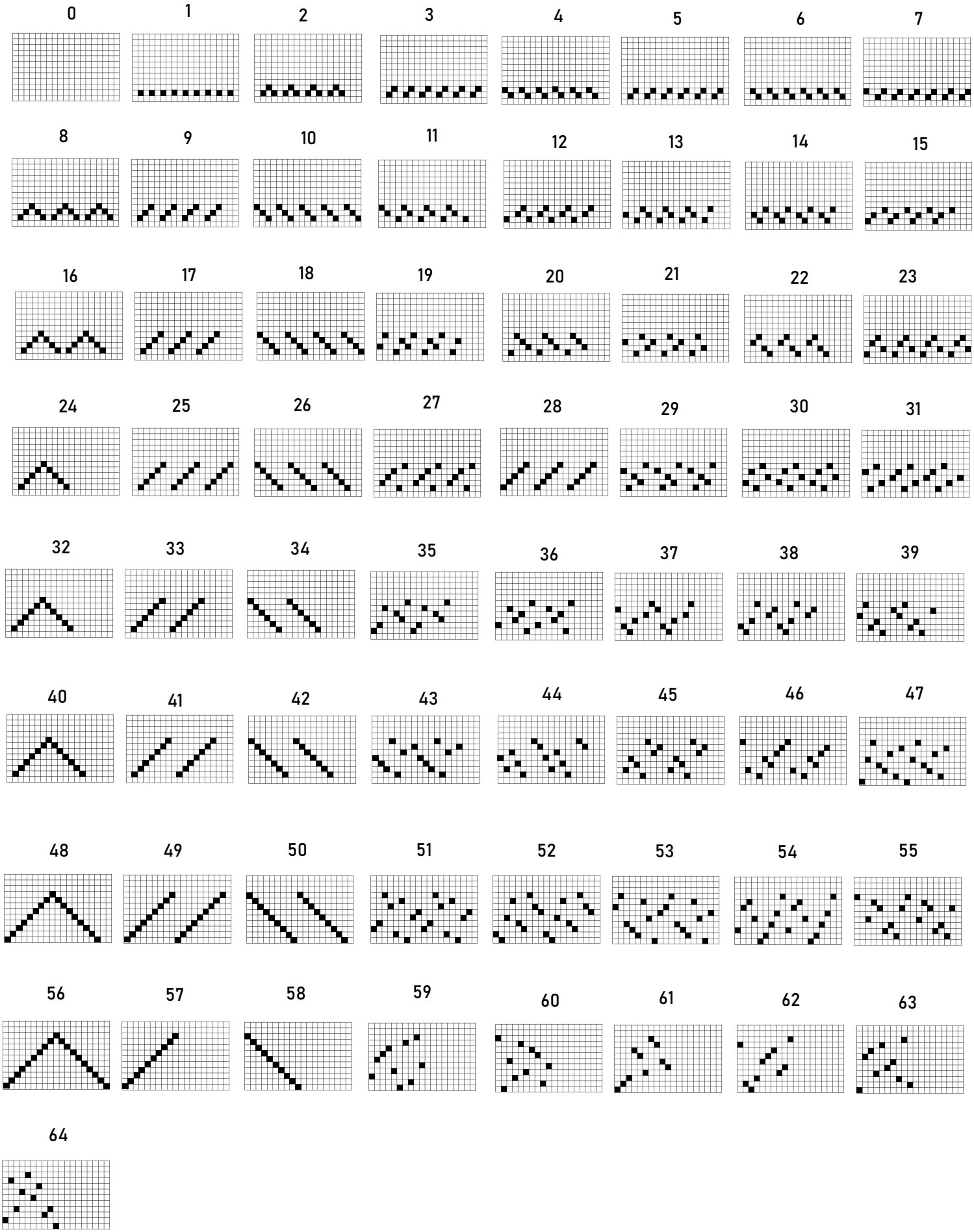mod patterns [00]-[64]