```
square5, L_x = 5
MIN_ENERGY = -0.574318
SIGMA = 0.47
DENSITY = 3.74123

square7, L_x = 7
MIN_ENERGY = -0.574318
SIGMA = 0.658
DENSITY = 1.90879

triangle5, L_x = 5
MIN_ENERGY = -0.713082
SIGMA = 0.499
DENSITY = 3.74123

triangle7, L_x = 7
MIN_ENERGY = -0.713076
SIGMA = 0.699
DENSITY = 1.90879
```