

Aa ag

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```
\draw (-2.5,0) -- (2.5,0);

\draw (-0.08,0) node[Dandelion,fill=black,left,
    rectangle,inner xsep=0.6mm,inner ysep=2mm]{\Huge Aa};

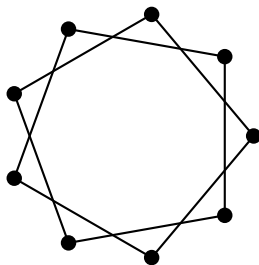
\draw (0.08,0) node[Dandelion,fill=black,right,
    rectangle,inner xsep=0.6mm,inner ysep=2mm]{\Huge ag};

\draw (-2.5,-3.5) -- (2.5,-3.5);

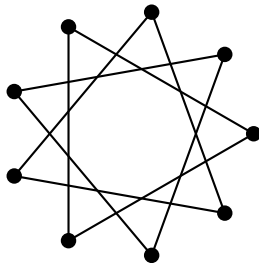
\draw (-0.08,-3.5) node[Dandelion,fill=black,left,
    rectangle,inner xsep=0.6mm,inner ysep=2mm,
    text height=4ex,text depth=1ex]{\Huge Aa};

\draw (0.08,-3.5) node[Dandelion,fill=black,right,
    rectangle,inner xsep=0.6mm,inner ysep=2mm,
    text height=4ex,text depth=1ex]{\Huge ag};
```

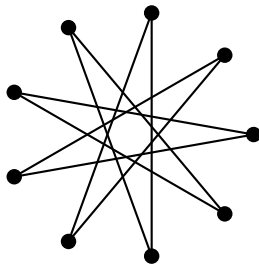
(9, 2)



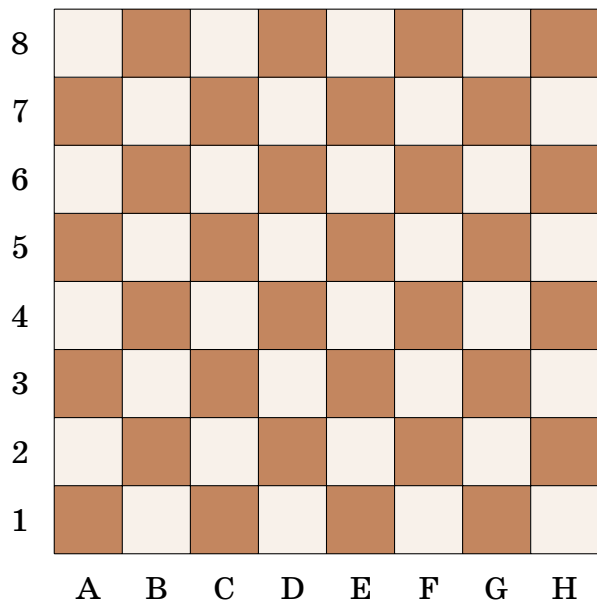
(9, 3)



(9, 4)



```
\foreach \j in {2,3,4} {  
  \begin{scope}[yshift=-4.3 * \j cm]  
    \draw (-1.6,1.4) node[left]{\((9,\j) \)};  
  
    \foreach \i in {0,...,8} {  
  
      \fill[black] (360/9 * \i : 1.6cm)  
        circle[radius=1mm];  
  
      \draw[thick] (360/9 * \i : 1.6cm) --  
        ({360/9 * (\i + \j)} : 1.6cm);  
  
    }  
  \end{scope}  
}
```



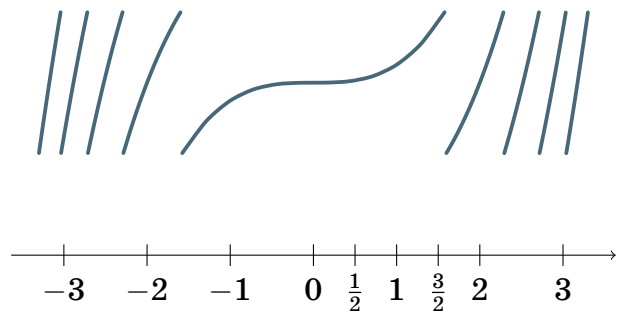
```

\foreach \x in {0,...,7}
  \foreach \y in {0,...,7} {
    \ifthenelse{\intcalcMod{\x+\y}{2}=0}
      {\fill[RawSienna!55!white]}
      {\fill[RawSienna!5!white]}
      (\x,\y) rectangle ++(1,1);
  }

\foreach \i in {1,...,8} {
  \draw (\i-0.5, -0.5) node{\AlphAlph{\i}}
        (-0.5, \i-0.5) node{\i};
}

\draw[step=1cm, black] (0,0) grid (8,8);

```



```
\begin{tikzpicture}[xscale=1.1,yscale=1.9,
  declare function={
    sdrob(\x) = Mod(\x+0.5, 1) - 0.5;
    main(\x) = (0.5 * \x)^3;
    invmain(\x) = \x^(1/3) * 2;}]

\draw[->] ({invmain(-6)} , -1.2)
  -- ({invmain(6)} , -1.2);

\foreach \x / \xtext in {0 / 0, -1 / -1,
  0.5 / \frac{1}{2}, 1.5 / \frac{3}{2},
  1 / 1, 2 / 2, 3 / 3, -2 / -2, -3 / -3}
{\draw (\x cm,-11.25 mm) -- (\x cm,-12.75 mm)
  node[below, text height=1.6ex]{\xtext}};

\foreach \t in {-4,...,4} {
  \draw[domain=invmain(\t-0.49):invmain(\t+0.49),
    variable=\x, samples=12, Cyan!35!black,
    line cap=round, line width=0.5mm,
    smooth] plot({\x}, {sdrob(main(\x))});
}
\end{tikzpicture}
```