

```

n = 8;
colours = Hue /@ (Range[n] / n);

DynamicModule[
  {pts, phs, hs},
  pts = Sort[RandomReal[{-1, 1}, {n, 2}]];
  phs = Thread[{Range[n], hs = RandomReal[{-1, 1}, {n}]}];
  {
    LocatorPane[
      Dynamic[pts],
      Graphics[Line[
        {{-1, -1}, {-1, 1}, {1, 1}, {1, -1}, {-1, -1}}
      ]],
      {{-1, -1}, {1, 1}},
      Appearance → Table[Style["*"], colours[[i]], {i, n}]
    ],
    LocatorPane[
      Dynamic[phs],
      Graphics[{
        Table[Line[{{i, -1}, {i, 1}}], {i, n}],
        PointSize[Large],
        Dynamic[Table[
          {
            colours[[i]],
            Point[{phs[[i, 1]] = i, phs[[i, 2]]}]
          },
          {i, n}
        ]]]
      ],
      PlotRange → {{0, n + 1}, {-1, 1}}, AspectRatio → 1
    ],
    {{0, -1}, {n + 1, 1}},
    Appearance → None
  ],
  Dynamic[
    hs = Last /@ phs;
    Graphics3D[
      Table[
        {colours[[i]],
          Polygon[
            {#[[1]], #[[2]], hs[[i]] + pts[[i]].#} & /@ {{-1, -1}, {-1, 1}, {1, 1}, {1, -1}}
          ]
        },
        {i, n}
      ],
      Lighting → "Neutral"
    ]
  ]
}
]

```



