Циклы

Sass v3.5.6

```scss
$size: 3vmin;
$n: 14;
$light: #ededed;
$dark: #232323;

body {
  margin: 0;
  min-height: 100vh;
  background-color: $light;
}

.square {
  position: absolute;
  top: 50%;
  left: 50%;
  background-color: $light;
  transform: translate(-50%, -50%);
}
.square:nth-child(2n+1) {
  background-color: $dark;
}

@for $i from 1 through $n {
  $c: $n + 1 - $i;

  .square:nth-child(#{$c}) {
    width: $size * $i;
    height: $size * $i;
    animation: rot#{$i} infinite ease #{1.5 * $n / $c}s;
  }

  @keyframes rot#{$i} {
    0%, #{50 - 150 / ($i+3)}%, 100% {
      transform: translate(-50%, -50%) rotate(30deg);
    }
    50%, #{100 - 150 / ($i+3)}% {
      transform: translate(-50%, -50%) rotate(-15deg);
    }
  }
}
```

CSS

```css
body {
  margin: 0;
  min-height: 100vh;
  background-color: #ededed;
}

.square {
  position: absolute;
  top: 50%;
  left: 50%;
  background-color: #ededed;
  -webkit-transform: translate(-50%, -50%);
      -ms-transform: translate(-50%, -50%);
          transform: translate(-50%, -50%);
}

.square:nth-child(2n+1) {
  background-color: #232323;
}

.square:nth-child(14) {
  width: 3vmin;
  height: 3vmin;
  -webkit-animation: rot1 infinite ease 1.5s;
          animation: rot1 infinite ease 1.5s;
}

@-webkit-keyframes rot1 {
  0%, 12.5%, 100% {
    -webkit-transform: translate(-50%, -50%) rotate(30deg);
            transform: translate(-50%, -50%) rotate(30deg);
  }
  50%, 62.5% {
    -webkit-transform: translate(-50%, -50%) rotate(-15deg);
            transform: translate(-50%, -50%) rotate(-15deg);
  }
}

@keyframes rot1 {
  0%, 12.5%, 100% {
```

SCSS - 40 строк VS CSS - 400 строк

Sass v3.5.6

```scss
$size: 3vmin;
$n: 14;
$light: #ededed;
$dark: #232323;

body {
  margin: 0;
  min-height: 100vh;
  background-color: $light;
}

.square {
  position: absolute;
  top: 50%;
  left: 50%;
  background-color: $light;
  transform: translate(-50%, -50%);
}
.square:nth-child(2n+1) {
  background-color: $dark;
}

@for $i from 1 through $n {
  $c: $n + 1 - $i;

  .square:nth-child(#{$c}) {
    width: $size * $i;
    height: $size * $i;
    animation: rot#{$i} infinite ease #{1.5 * $n / $c}s;
  }

  @keyframes rot#{$i} {
    0%, #{50 - 150 / ($i+3)}%, 100% {
      transform: translate(-50%, -50%) rotate(30deg);
    }
    50%, #{100 - 150 / ($i+3)}% {
      transform: translate(-50%, -50%) rotate(-15deg);
    }
  }
}
```

CSS

```css
body {
  margin: 0;
  min-height: 100vh;
  background-color: #ededed;
}

.square {
  position: absolute;
  top: 50%;
  left: 50%;
  background-color: #ededed;
  -webkit-transform: translate(-50%, -50%);
      -ms-transform: translate(-50%, -50%);
          transform: translate(-50%, -50%);
}

.square:nth-child(2n+1) {
  background-color: #232323;
}

.square:nth-child(14) {
  width: 3vmin;
  height: 3vmin;
  -webkit-animation: rot1 infinite ease 1.5s;
          animation: rot1 infinite ease 1.5s;
}

@-webkit-keyframes rot1 {
  0%, 12.5%, 100% {
    -webkit-transform: translate(-50%, -50%) rotate(30deg);
            transform: translate(-50%, -50%) rotate(30deg);
  }
  50%, 62.5% {
    -webkit-transform: translate(-50%, -50%) rotate(-15deg);
            transform: translate(-50%, -50%) rotate(-15deg);
  }
}

@keyframes rot1 {
  0%, 12.5%, 100% {
```

Sass v3.5.6

```scss
$size: 3vmin;
$n: 14;
$light: #ededed;
$dark: #232323;

body {
  margin: 0;
  min-height: 100vh;
  background-color: $light;
}

.square {
  position: absolute;
  top: 50%;
  left: 50%;
  background-color: $light;
  transform: translate(-50%, -50%);
}
.square:nth-child(2n+1) {
  background-color: $dark;
}

@for $i from 1 through $n {
  $c: $n + 1 - $i;

  .square:nth-child(#{$c}) {
    width: $size * $i;
    height: $size * $i;
    animation: rot#{$i} infinite ease #{1.5 * $n / $c}s;
  }

  @keyframes rot#{$i} {
    0%, #{50 - 150 / ($i+3)}%, 100% {
      transform: translate(-50%, -50%) rotate(30deg);
    }
    50%, #{100 - 150 / ($i+3)}% {
      transform: translate(-50%, -50%) rotate(-15deg);
    }
  }
}
```

CSS

```css
body {
  margin: 0;
  min-height: 100vh;
  background-color: #ededed;
}

.square {
  position: absolute;
  top: 50%;
  left: 50%;
  background-color: #ededed;
  -webkit-transform: translate(-50%, -50%);
      -ms-transform: translate(-50%, -50%);
          transform: translate(-50%, -50%);
}

.square:nth-child(2n+1) {
  background-color: #232323;
}

.square:nth-child(14) {
  width: 3vmin;
  height: 3vmin;
  -webkit-animation: rot1 infinite ease 1.5s;
          animation: rot1 infinite ease 1.5s;
}

@-webkit-keyframes rot1 {
  0%, 12.5%, 100% {
    -webkit-transform: translate(-50%, -50%) rotate(30deg);
            transform: translate(-50%, -50%) rotate(30deg);
  }
  50%, 62.5% {
    -webkit-transform: translate(-50%, -50%) rotate(-15deg);
            transform: translate(-50%, -50%) rotate(-15deg);
  }
}
```

SCSS - 40 строк VS CSS - 400 строк

@function