

```
Total[h /@ Length /@ Union /@ Tuples[Range@6, 6] / 6.^6]
0.000128601 h[1] + 0.0199331 h[2] +
  0.231481 h[3] + 0.501543 h[4] + 0.231481 h[5] + 0.0154321 h[6]
```