

```
f[n_, k_] := Mean[Min /@ Subsets[Range[n], {k}]]
```

```
Table[f[n, k], {n, 10}, {k, n}] // Column
```

```
{1}
{ $\frac{3}{2}$ , 1}
{2,  $\frac{4}{3}$ , 1}
{ $\frac{5}{2}$ ,  $\frac{5}{3}$ ,  $\frac{5}{4}$ , 1}
{3, 2,  $\frac{3}{2}$ ,  $\frac{6}{5}$ , 1}
{ $\frac{7}{2}$ ,  $\frac{7}{3}$ ,  $\frac{7}{4}$ ,  $\frac{7}{5}$ ,  $\frac{7}{6}$ , 1}
{4,  $\frac{8}{3}$ , 2,  $\frac{8}{5}$ ,  $\frac{4}{3}$ ,  $\frac{8}{7}$ , 1}
{ $\frac{9}{2}$ , 3,  $\frac{9}{4}$ ,  $\frac{9}{5}$ ,  $\frac{3}{2}$ ,  $\frac{9}{7}$ ,  $\frac{9}{8}$ , 1}
{5,  $\frac{10}{3}$ ,  $\frac{5}{2}$ , 2,  $\frac{5}{3}$ ,  $\frac{10}{7}$ ,  $\frac{5}{4}$ ,  $\frac{10}{9}$ , 1}
{ $\frac{11}{2}$ ,  $\frac{11}{3}$ ,  $\frac{11}{4}$ ,  $\frac{11}{5}$ ,  $\frac{11}{6}$ ,  $\frac{11}{7}$ ,  $\frac{11}{8}$ ,  $\frac{11}{9}$ ,  $\frac{11}{10}$ , 1}
```