

Pensieve header: Enable the likes of `Table[As[n,6], As[k,0,n], Binomial[n,k]]`.

```
SetAttributes[As, HoldAll];
```

```
As /: (op : Do | Product | Sum | Table) [As[iter___],  $\mathcal{E}$ __] := op[ $\mathcal{E}$ , {iter}]
```

```
p = 1; Do[As[k, 1, 5], p *= k]; p
```

120

```
Product[As[k, 1, 7], k]
```

5040

```
Sum[As[k, 1, 100], k]
```

5050

```
Table[As[n, 6], As[k, 0, n], Binomial[n, k]]
```

```
{{1, 1}, {1, 2, 1}, {1, 3, 3, 1}, {1, 4, 6, 4, 1}, {1, 5, 10, 10, 5, 1}, {1, 6, 15, 20, 15, 6, 1}}
```