

```
In[*]:= v = n + Binomial[n, 4];  
e =  $\frac{1}{2}$  (4 Binomial[n, 4] + (n + 1) n);  
f = (2 + e - v) - 1;  
Simplify[f]
```

```
Out[*]:=  $\frac{1}{24} (24 - 18 n + 23 n^2 - 6 n^3 + n^4)$ 
```

```
In[*]:= Table[f /. n -> k, {k, 2, 10}]
```

```
Out[*]:= {2, 4, 8, 16, 31, 57, 99, 163, 256}
```