

Pensieve header: Better learning from experience.

```
In[ ]:= f[i_] := Expand[(i + 1)^2]
```

```
In[ ]:= ? f
```

Global`f

```
f[i_] := Expand[(i + 1)^2]
```

```
In[ ]:= g[i_] := Evaluate[Expand[(i + 1)^2]]
```

```
In[ ]:= ? g
```

Global`g

```
g[i_] := 1 + 2 i + i^2
```

```
In[ ]:= i = 2;
```

```
h[i_] := Evaluate[Expand[(i + 1)^2]]
```

```
In[ ]:= ? h
```

Global`h

```
h[i_] := 9
```

```
In[ ]:= i = 2;
```

```
Module[{i}, k[i_] := Evaluate[Expand[(i + 1)^2]]]
```

```
In[ ]:= ? k
```

Global`k

```
k[i_] := 9
```

```
In[ ]:= i = 2;
```

```
Block[{i}, a[i_] := Evaluate[Expand[(i + 1)^2]]]
```

```
In[ ]:= ? a
```

Global`a

```
a[i_] := 1 + 2 i + i^2
```

```
In[ ]:= i = 2;
```

```
Block[{i}, b[i_] = Expand[(i + 1)^2]]
```

```
Out[ ]:= 9
```

```
In[ ]:= ? b
```

Global`b

```
b[i_] = 1 + 2 i + i^2
```

```
In[*]:= i = 2; c[i_] = Block[{i}, Expand[(i + 1)^2]]
```

```
Out[*]:= 9
```

```
In[*]:= ? c
```

Global`c

```
c[i_] = 9
```