

# Compatibility between hm and hts

December 31, 2015 4:42 AM

```
In[18]:= p = UU[δaa[f[b4, b5], 4, 1, 4, 2]]
```

```
Out[18]:= UU[δaa[f[b4, b5], 4, 1, 4, 2]]
```

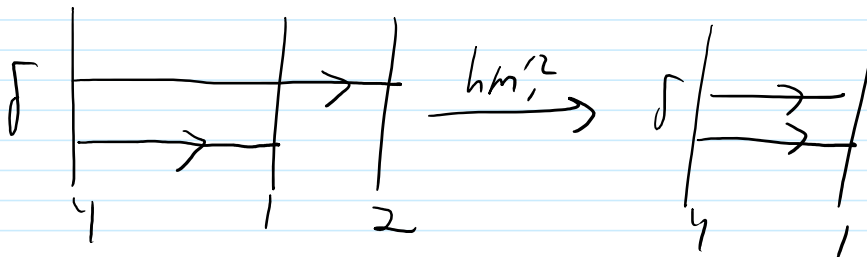
```
In[19]:= p // hm[1, 2, 1]
```

```
Out[19]:= UU[δaa[f[b4, b5], 4, 1, 4, 1]]
```



```
In[20]:= p // hm[1, 2, 1] // hts[1, 4]
```

```
Out[20]:= UU[δa[-2 f[b4, b5] b4, 4, 1] + δaa[f[b4, b5], 4, 1, 4, 1]]
```



```
In[21]:= p // hts[2, 4]
```

```
Out[21]:= UU[δa[-f[b4, b5] b4, 4, 1] + δaa[f[b4, b5], 4, 1, 4, 2]]
```

```
In[22]:= p // hts[2, 4] // hts[1, 4]
```

```
Out[22]:= UU[δa[-f[b4, b5] b4, 4, 1] + δa[-f[b4, b5] b4, 4, 2] + δaa[f[b4, b5], 4, 1, 4, 2] + δβ[f[b4, b5] b42]]
```

```
In[23]:= p // hts[2, 4] // hts[1, 4] // hm[1, 2, 1]
```

```
Out[23]:= UU[δa[-2 f[b4, b5] b4, 4, 1] + δaa[f[b4, b5], 4, 1, 4, 1] + δβ[f[b4, b5] b42]]
```

```
In[29]:= p = UU[δaa[f[b4, b5], 4, 1, 5, 2]]
```

```
Out[29]:= UU[δaa[f[b4, b5], 4, 1, 5, 2]]
```

```
In[30]:= p // hm[1, 2, 1]
```

```
Out[30]:= UU[δaa[f[b4, b5], 4, 1, 5, 1]]
```

*issue here.*

```
In[31]:= p // hm[1, 2, 1] // hts[1, 4]
```

```
Out[31]:= UU[δa[-f[b4, b5] b5, 4, 1] + δaa[f[b4, b5], 4, 1, 5, 1]]
```

