

```
{x1, x2, x3} = {a[f[b1, b2, b3, b4], 1, 2], a[g, 2, 3], a[h, 3, 4]}
{a[f[b1, b2, b3, b4], 1, 2], a[g, 2, 3], a[h, 3, 4]}
```

Jacobi @@ {x1, x2, x3}

\$RecursionLimit::reclim : Recursion depth of 1024 exceeded. >>

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General::stop : Further output of \$RecursionLimit::reclim will be suppressed during this calculation. >>

{a[f[b1, b2, b3, b4], 1, 2], a[g, 2, 3], a[h, 3, 4]} → Jac\$196848

B[x1, B[x2, x3]]

```
a[-g h f[b1, b2, b3, b4] b1 b3, 2, 4] +
a[g h f[b1, b2, b3, b4] b2 b3, 1, 4] + γ[-g h f[b1, b2, b3, b4] b1, 2, 3, 4] +
γ[g h f[b1, b2, b3, b4] b2, 1, 3, 4] + γ[g h f[b1, b2, b3, b4] b3, 1, 2, 4] +
γ[-g h b1 b2 (f^(0,0,0,1)[b1, b2, b3, b4] - f^(0,0,1,0)[b1, b2, b3, b4]), 3, 2, 4] +
γα[-g h f[b1, b2, b3, b4], 1, 2, 3, 4] +
γα[g h b2 (f^(0,0,0,1)[b1, b2, b3, b4] - f^(0,0,1,0)[b1, b2, b3, b4]), 3, 2, 1, 4] +
γα[-g h b3 (f^(0,0,0,1)[b1, b2, b3, b4] - f^(0,1,0,0)[b1, b2, b3, b4]), 2, 4, 1, 2]
```

B[x2, B[x3, x1]]

\$RecursionLimit::reclim : Recursion depth of 1024 exceeded. >>

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General::stop : Further output of \$RecursionLimit::reclim will be suppressed during this calculation. >>

```
B[a[g, 2, 3], γ[h b1 (f^(0,0,0,1)[b1, b2, b3, b4] - f^(0,0,1,0)[b1, b2, b3, b4]), 3, 2, 4]] +
Hold[γ[g$, k$, l$]]
```

B[x3, x1]

```
γ[h b1 (f^(0,0,0,1)[b1, b2, b3, b4] - f^(0,0,1,0)[b1, b2, b3, b4]), 3, 2, 4] +
γα[h (-f^(0,0,0,1)[b1, b2, b3, b4] + f^(0,0,1,0)[b1, b2, b3, b4]), 3, 2, 1, 4]
```

B[x2, γ[h b1 (f^(0,0,0,1)[b1, b2, b3, b4] - f^(0,0,1,0)[b1, b2, b3, b4]), 3, 2, 4]]

```
B[a[g, 2, 3], γ[h b1 (f^(0,0,0,1)[b1, b2, b3, b4] - f^(0,0,1,0)[b1, b2, b3, b4]), 3, 2, 4]]
```