

## Example 2

```
O[0][0][0] += I[0][0+0][0+0] *  
              W[0][0][0][0]  
  
...  
O[U][OH][OW] += I[CI][OH+KH][OW+KW] *  
                W[CO][CI][KH][KW]  
  
for co in range(U, CO):  
    for ci in range(CI):  
        for oh in range(OH):  
            for ow in range(OW):  
                for kh in range(KH):  
                    for kw in range(KW):  
                        O[co][oh][ow] +=  
                            I[ci][oh+kh][ow+kw] *  
                            W[co][ci][kh][kw]
```

```
O[0][0][0] += I[0][0+0][0+0] *  
              W[0][0][0][0]  
  
...  
O[U][OH][OW] += I[CI][OH+KH][OW+KW] *  
                W[CO][CI][KH][KW]  
  
for g in range(G):  
    for co in range(U+CO//G*g, U+CO//G*(g+1)):  
        for ci in range(CI//G*g, CI//G*(g+1)):  
            for oh in range(OH):  
                for ow in range(OW):  
                    for kh in range(KH):  
                        for kw in range(KW):  
                            O[co][oh][ow] +=  
                                I[ci][oh+kh][ow+kw] *  
                                W[co][ci][kh][kw]
```