

```
for k = 0 to K
  for w = 0 to W_out
    for h = 0 to H_out
      for c = 0 to C
        for s = 0 to S
          for r = 0 to R
            out[k][w][h] += in[c][w*sx+r][h*sy+s] * filter[k][c][r][s];
```