

```
suchthat(  
    forall(block,  
        forall(warp,  
            forall(ki,  
                forall(fpos1,  
                    where( $C(i, k += tmp, tmp = A(i, j) * B(j, k))$ ),  
                    GPUThread, Atomics)),  
                    GPUWarp, NoRaces),  
                    GPUBlock, IgnoreRaces),  
fuse(i, j, f) and pos(f, fpos,  $A(i, j)$ ) and split(fpos, block, fpos1,  $p / (N / c)$ )  
and split (k, ko, ki, c) and bound(ko, warp,  $N / c$ , MaxExact) and  
parallelize(jpos1, GPUGroup, r, Segment))
```