

```

suchthat(
    forall(ko,
        forall(warp,
            forall(kii,
                where(C(i,k+=tjpos1C,forall(jpos1,forall(jpos0,tjpos1C+=A(i,j)B(j,k)),
                    GPUThread,ParallelReduction))),
                    GPUWarp, Atomics),
                    GPUBlock,NoRaces),
fuse(i,k,io) and split(io,ko,ki,cp/g) and split(ki, warp,kii,c)
and pos(j,jpos,A(i,j)) and split(jpos,jpos0,jpos1,g) and
parallelize(jpos1,GPUGroup,r,Atomics))

```