```
suchthat(
  forall(block,
    forall(warp,
      forall(thread,
        forall(dense_val,
          where(C(i,k)+=tnnzC,forall(nnz, tnnzC+=A(i,j)*B(j,k)))),
        GPUThread,Atomics),
      GPUWarp,NoRaces),
    GPUBlock,NoRaces),
fuse(i,j,f) and pos(f,fpos,A(i,j)) and
split(fpos,block,fpos1,(p*g/(N/c))) and
split(fpos1,warp,nnz,g) and split(k,ko,thread,c)
and bound(ko,dense_val,N/c,MaxExact))
```