

```
suchthat(  
    forall(block,  
        forall(warp,  
            forall(row,  
                forall(thread,  
                    forall(col,where( $C(i,k) += t_j C$ ,forall( $j, t_j C += A(i,j) B(j,k)$ ))),  
                    GPUThread,NoRaces)),  
                    GPUWarp,NoRaces),  
                    GPUBlock,NoRaces),  
split(i,block,io,pg/(N/c)) and split(io,warp,row,g)  
and split(k,ko,col,c) and bound(ko,thread,N/c,MaxExact))
```