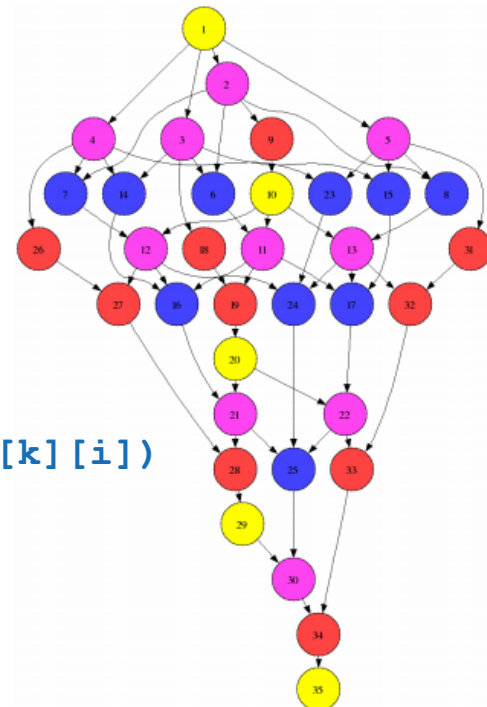


```

void blocked_cholesky( int NB, float A[NB][NB] ) {
    int i, j, k;
    for (k=0; k<NB; k++) {
        #pragma omp task depend(inout:A[k][k])
        spotrf (A[k][k]) ;
        for (i=k+1; i<NT; i++)
            #pragma omp task depend(in:A[k][k]) depend(inout:A[k][i])
            strsm (A[k][k], A[k][i]);
        // update trailing submatrix
        for (i=k+1; i<NT; i++) {
            for (j=k+1; j<i; j++)
                #pragma omp task depend(in:A[k][i],A[k][j])
                depend(inout:A[j][i])
                sgemm( A[k][i], A[k][j], A[j][i]);
            #pragma omp task depend(in:A[k][i]) depend(inout:A[i][i])
            ssyrk (A[k][i], A[i][i]);
        }
    }
}

```



* image from BSC