

# Homework Problem 1 Due Thursday Feb 9th

```
float A[1024][1024], B[1024][1024], C[1024][1024];  
  
for (int i=0; i<N; i++)  
    for (int j=0; j<N; j++)  
        for (int k=0; k<N; k++)  
            C[i][j] += A[i][k] * B[k][j];
```

Suppose each cache line has four floats  
Set associative, no conflict among arrays  
Each set has 32 lines  
LRU

Q: what are the hit rates for A, B and C?

