```
float * matrix mul(float *h a, float *h b, float *h c, int width)
for(int row = 0; row < width ; ++row)</pre>
    for(int col = 0; col < width ; ++col)</pre>
        float single entry = 0;
        for(int i = 0; i < width ; ++i)</pre>
             single entry += h a[row*width+i] * h b[i*width+col];
        h c[row*width+col] = single entry;
return h c;
```