deep matrix multiplication

May 11, 2023

```
[1]: import numpy as np
```

```
[2]: revenue=np.array([[180,200,220],[24,36,40],[12,18,20]])
     expense=np.array([[80,90,100],[10,16,20],[8,10,10]])
```

```
[5]: profit=revenue-expense
     profit
```

```
[5]: array([[100, 110, 120],
            [ 14,  20,  20],
            [  4,   8,  10]])
```

```
[6]: indollars=np.dot(80,profit)
     indollars
```

```
[6]: array([[8000, 8800, 9600],
            [1120, 1600, 1600],
            [ 320,  640,  800]])
```

```
[ ]:
```