```
This will invoke broadcasting, so b is copied three times to become (3,3), and * is an element-wise product so c.shape will be (3, 3)
This will invoke broadcasting, so b is copied three times to become (3, 3), and * invokes a matrix multiplication operation of two 3x3 matrices so
```

```
It will lead to an error since you cannot use "*" to operate on these two matrices. You need to instead use np.dot(a,b)
⊘ Correct
```

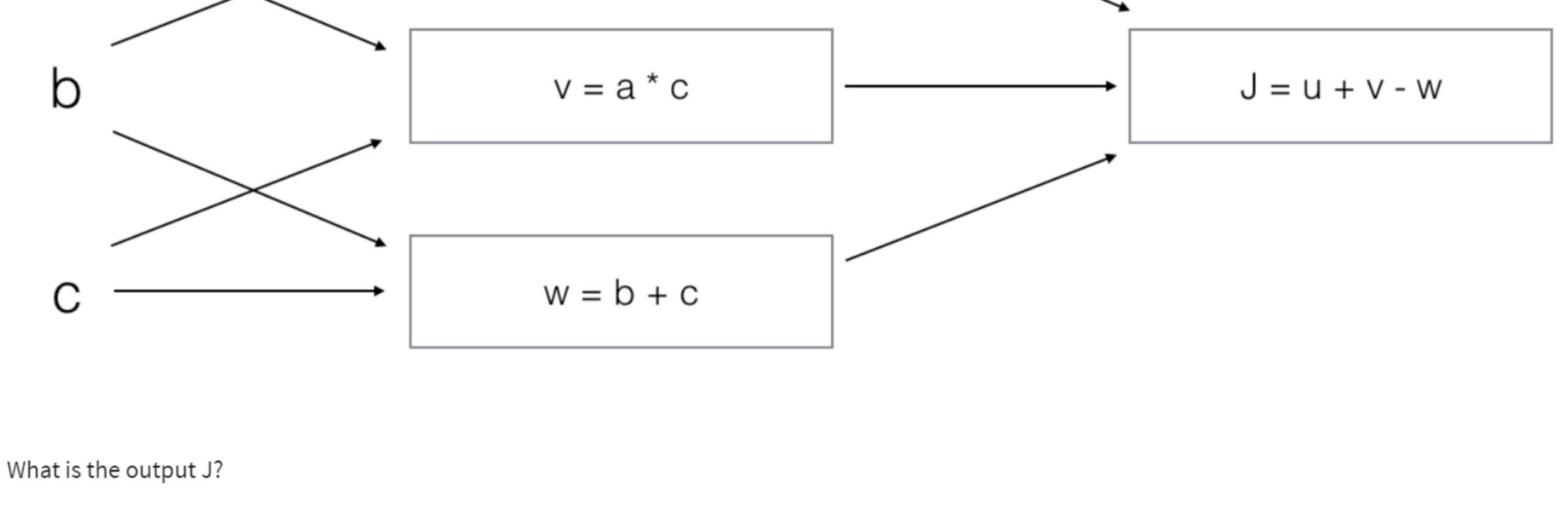
This will multiply a 3x3 matrix a with a 3x1 vector, thus resulting in a 3x1 vector. That is, c.shape = (3,1).

```
10. Consider the following computation graph.
                                                 u = a * b
```

1/1 point

а

c.shape will be (3, 3)



```
\int J = (c - 1)^*(b + a)
  J = (a - 1) * (b + c)
\int J = (b - 1) * (c + a)
 ✓ Correct
```

Yes. J = u + v - w = a\*b + a\*c - (b + c) = a\*(b + c) - (b + c) = (a - 1)\*(b + c).