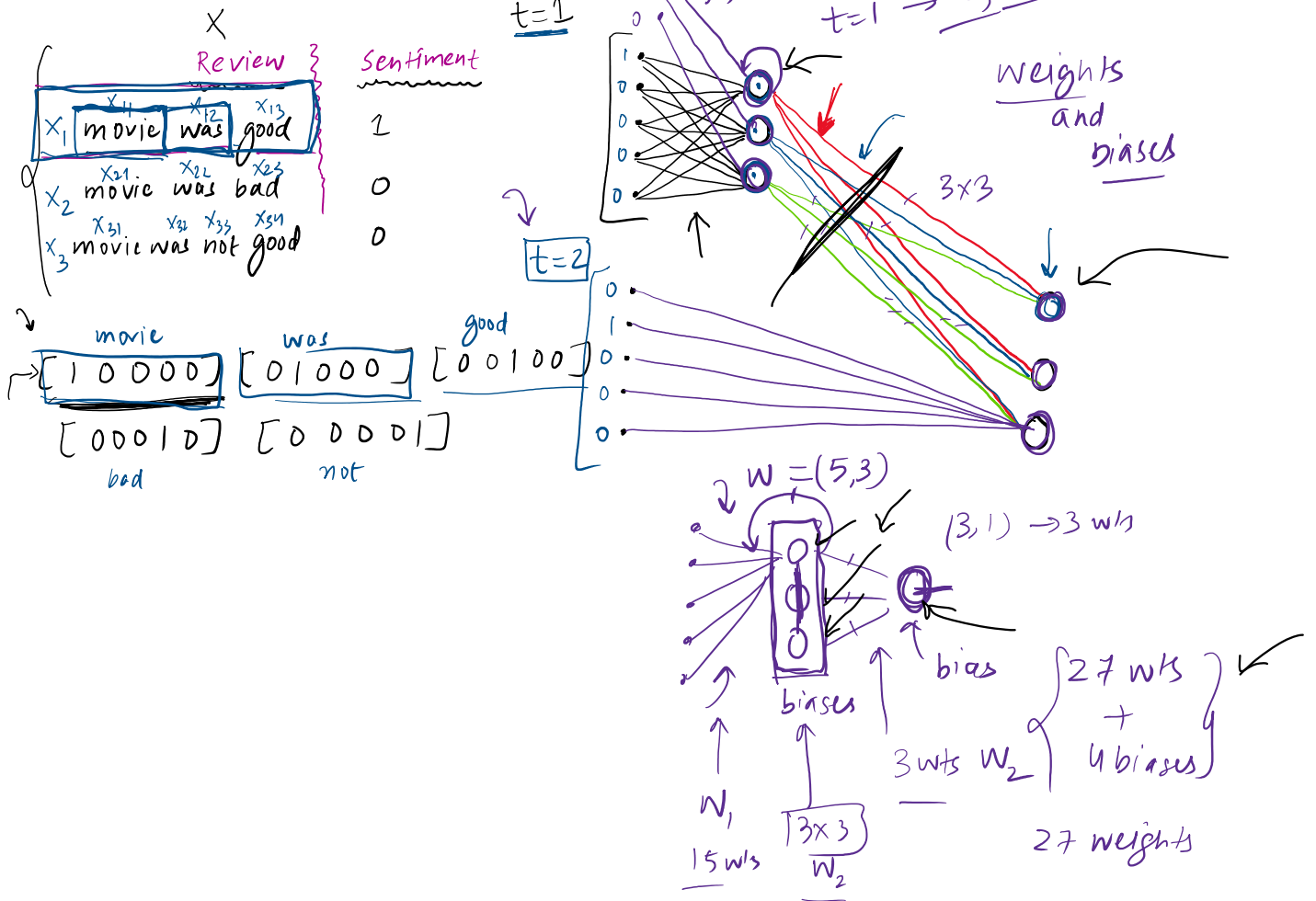


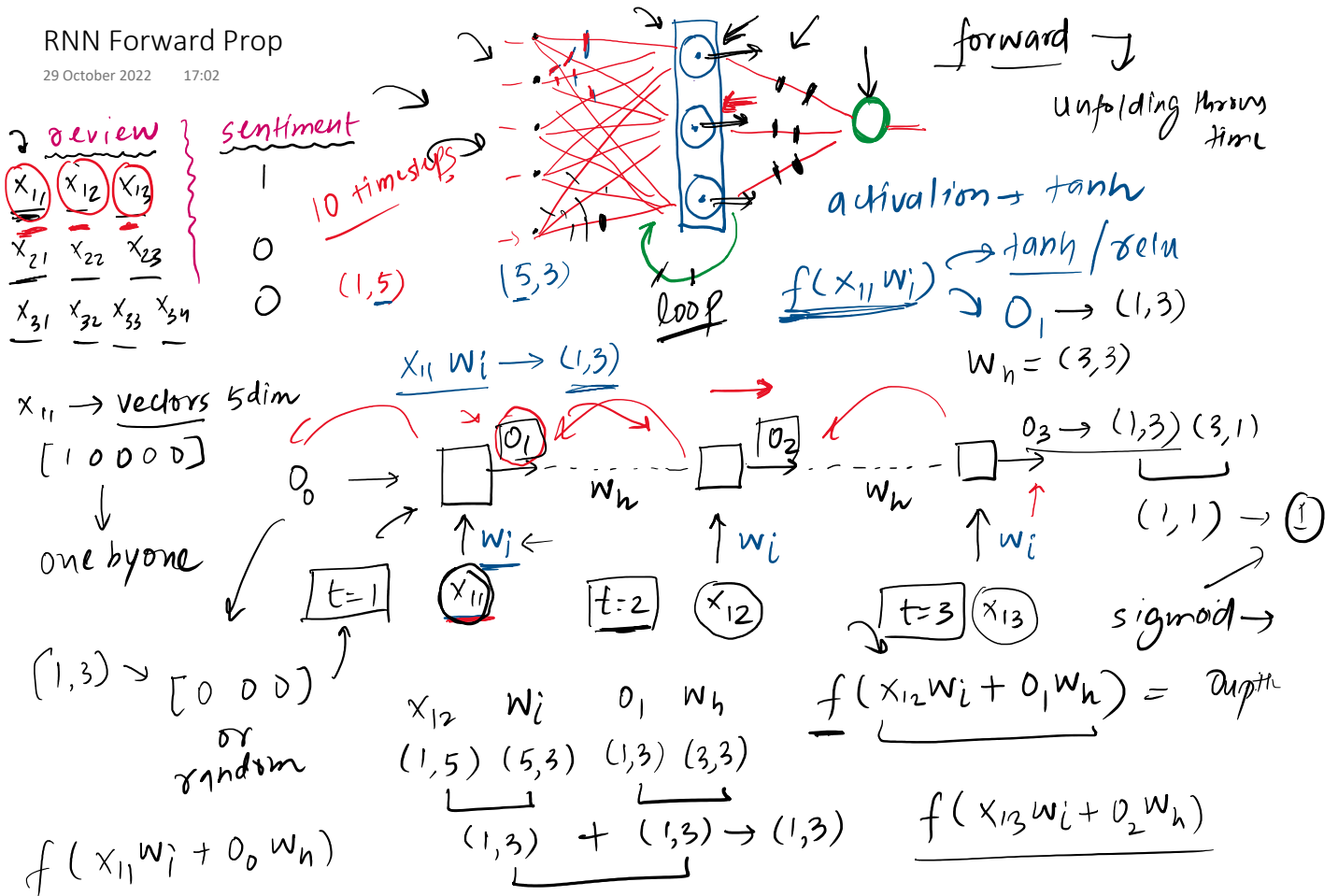
RNN Architecture

29 October 2022 13:30



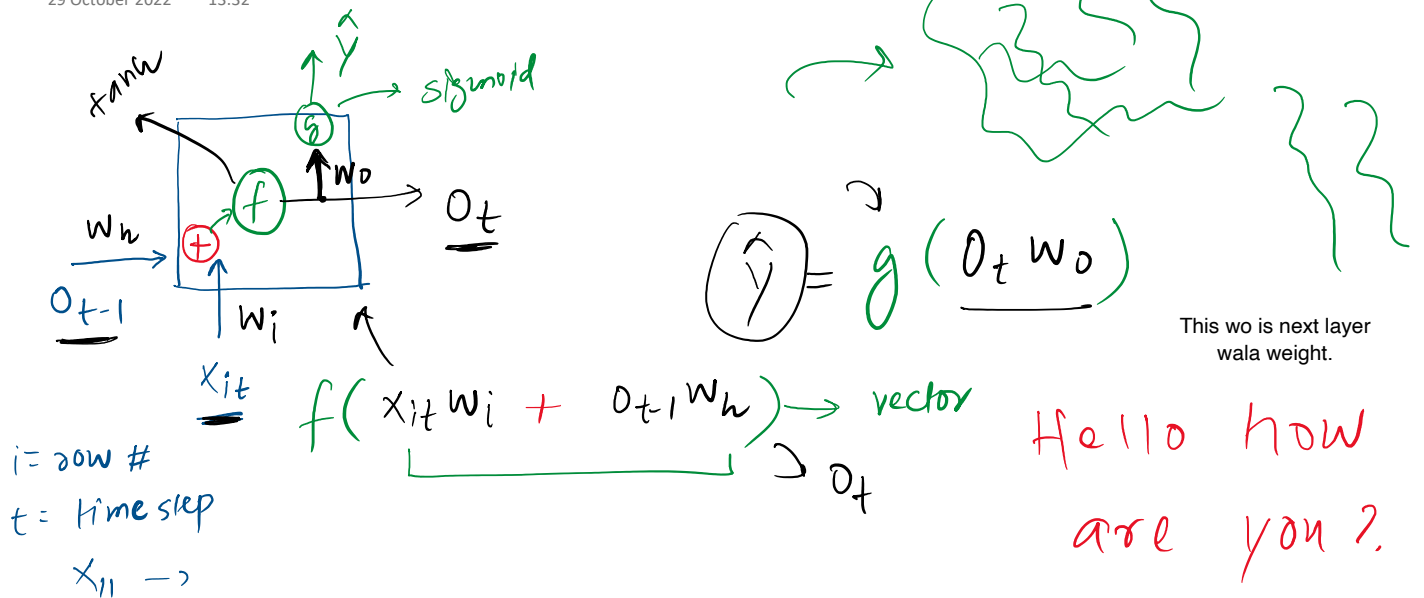
RNN Forward Prop

29 October 2022 17:02



Simplified Representation

29 October 2022 13:32



```
x = nn.Embedding(324, embedding_dim=50)
y = nn.RNN(50, 64, batch_first=True)
z = nn.Linear(64, 324)
```

```
a = dataset[0][0].reshape(1,6)
print("shape of a:", a.shape)
b = x(a)
print("shape of b:", b.shape)
c, d = y(b)
print("shape of c:", c.shape)
print("shape of d:", d.shape)
```

```
e = z(d.squeeze(0))
```

```
print("shape of e:", e.shape)
```

what is c and d?