



```
In [45]: get_similar_tokens('form', 3, net[0])
```

```
cosine sim=0.396: n.v.  
cosine sim=0.260: once  
cosine sim=0.202: percentage  
cosine sim=0.195: former
```

```
In [ ]:
```

```
In [ ]: def get_similar_tokens(query_token, k, embed):  
        W = embed.weight.data()  
        x = W[vocab[query_token]]  
        cos = np.dot(W,x)/np.sqrt(np.sum(W*W, axis=1) * np.sum(x * x) + 1)  
        topk = np.argsort(cos)[-k+1:].asnumpy().astype(int)  
        for i in topk[1:]:  
            print('cosine sim=%.3f: %s' % (cos[i],(vocab.idx_to_token[i])))  
get_similar_tokens('chip', 3, net[0])
```





