Assignment_03:- Hidden Markov Model

```python
In [1]: import numpy as np # linear algebra
        import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)
        import seaborn as sns
        from tqdm import tqdm
        from matplotlib import pyplot as plt # show graph
        from sklearn.model_selection import GroupShuffleSplit
        from hmmlearn import hmm
        from sklearn.metrics import confusion_matrix, classification_report,
        accuracy_score, precision_score, recall_score, f1_score, roc_auc_score
```

```python
In [2]: data = pd.read_csv("final2.csv")
        data = data.fillna(method="ffill")
        data = data.rename(columns={'Sentence #': 'sentence'})
        data.head(5)
```

Out[2]:

	Unnamed: 0	sentence	Word	Tag	POS
0	0	sentence : 0	@LewisDixon	O	NN
1	1	sentence : 0	Trust	O	NNP
2	2	sentence : 0	me	O	PRP
3	4	sentence : 0	im	O	VB
4	5	sentence : 0	gonna	O	NN

Get the numbers of tags & words inside the whole data. We'll need this in the future.

```python
In [3]: tags = list(set(data.POS.values)) #Read POS values
        words = list(set(data.Word.values))
        len(tags), len(words)
```

Out[3]: (40, 5128)

We cannot split data normally with `train_test_split` because doing that makes some parts of a sentence in the training set while some others in the testing set. Instead, we use `GroupShuffleSplit`.

```python
In [4]: y = data.POS
        X = data.drop('POS', axis=1)


        gs = GroupShuffleSplit(n_splits=2, test_size=.33, random_state=42)
        train_ix, test_ix = next(gs.split(X, y, groups=data['sentence']))


        data_train = data.loc[train_ix]
```

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```
data_train
```

Out[4]:

	Unnamed: 0	sentence	Word	Tag	POS
0	0	sentence : 0	@LewisDixon	O	NN
1	1	sentence : 0	Trust	O	NNP
2	2	sentence : 0	me	O	PRP
3	4	sentence : 0	im	O	VB
4	5	sentence : 0	gonna	O	NN
...	...	...	...	...	...
15480	17472	sentence : 899	test	O	NN
15481	17474	sentence : 899	sources	O	NNS
15482	17475	sentence : 899	tell	O	VBP
15483	17476	sentence : 899	TMZ	B	NNP
15484	17478	sentence : 899	http://bi	O	NN

10375 rows × 5 columns

In [5]:
```
data_test
```

Out[5]:

	Unnamed: 0	sentence	Word	Tag	POS
64	79	sentence : 4	The	O	DT
65	80	sentence : 4	Basic	O	NNP
66	81	sentence : 4	Step	O	NNP
67	82	sentence : 4	Before	O	IN
68	83	sentence : 4	You	O	PRP
...	...	...	...	...	...
15430	17417	sentence : 896	thank	O	NN
15431	17418	sentence : 896	goodness	O	NN
15432	17419	sentence : 896	it	O	PRP
15433	17420	sentence : 896	's	O	VBZ
15434	17421	sentence : 896	Friday	O	NNP

5110 rows × 5 columns

After checking the data after splitted, it seems to be fine. Check the numbers of tags & words in the training set.

In [6]:
```
tags = list(set(data_train.POS.values)) #Read POS values
words = list(set(data_train.Word.values))
len(tags), len(words)
```

Out[6]:
```
(40, 3798)
```

The number of tags is enough but the number of words is not enough (~29k vs ~35k). Because of that

we need to randomly add some UNKNOWN words into the training dataset then we recalculate the word list and create map from them to number.

In [7]:
```python
dfupdate = data_train.sample(frac=.2, replace=False)
dfupdate.Word = 'UNKNOWN'
data_train.update(dfupdate)
words = list(set(data_train.Word.values))
# Convert words and tags into numbers
word2id = {w: i for i, w in enumerate(words)}
tag2id = {t: i for i, t in enumerate(tags)}
id2tag = {i: t for i, t in enumerate(tags)}
len(tags), len(words)
```

Out[7]: (40, 3212)

Hidden Markov Models can be trained by using the Baum-Welch algorithm. However input of the training is just dataset (Words). We cannot map back the states to the POS tag.

That's why we have to calculate the model parameters for `hmmlearn.hmm.MultinomialHMM` manually by calculating

- `startprob_`
- `transmat_`
- `emissionprob_`

In [8]:
```python
count_tags = dict(data_train.POS.value_counts())
count_tags_to_words = data_train.groupby(['POS']).apply(lambda grp: grp.groupby('Word')['POS'].count().to_dict()).to_dict()
count_init_tags = dict(data_train.groupby('sentence').first().POS.value_counts())

# TODO use panda solution
count_tags_to_next_tags = np.zeros((len(tags), len(tags)), dtype=int)
sentences = list(data_train.sentence)
pos = list(data_train.POS)
for i in range(len(sentences)) :
    if (i > 0) and (sentences[i] == sentences[i - 1]):
        prevtagid = tag2id[pos[i - 1]]
        nexttagid = tag2id[pos[i]]
        count_tags_to_next_tags[prevtagid][nexttagid] += 1
```

In [9]:
```python
mystartprob = np.zeros((len(tags),))
mytransmat = np.zeros((len(tags), len(tags)))
myemissionprob = np.zeros((len(tags), len(words)))
num_sentences = sum(count_init_tags.values())
sum_tags_to_next_tags = np.sum(count_tags_to_next_tags, axis=1)
for tag, tagid in tag2id.items():
```
```
                       tags.get(tag, 0))
```

```
        mystartprob[tagid] = count_init_tags.get(tag, 0) / num_sentences
        for word, wordid in word2id.items():
            myemissionprob[tagid][wordid]= count_tags_to_words.get(tag, {}).get(word,
0) / floatCountTag
        for tag2, tagid2 in tag2id.items():
            mytransmat[tagid][tagid2]= count_tags_to_next_tags[tagid][tagid2] /
sum_tags_to_next_tags[tagid]
```

Initialize a HMM

In [10]:
```python
model = hmm.CategoricalHMM(n_components=len(tags), algorithm='viterbi',
random_state=42)
model.startprob_ = mystartprob
model.transmat_ = mytransmat
model.emissionprob_ = myemissionprob
```

As some words may never appear in the training set, we need to transform them into `UNKNOWN` first. Then we split `data_test` into `samples` & `lengths` and send them to HMM.

In [11]:
```python
# data_test=pd.read_csv('test.csv')
data_test.loc[~data_test['Word'].isin(words), 'Word'] = 'UNKNOWN'
word_test = list(data_test.Word)
samples = []
for i, val in enumerate(word_test):
    samples.append([word2id[val]])

# TODO use panda solution
lengths = []
count = 0
sentences = list(data_test.sentence)
for i in range(len(sentences)) :
    if (i > 0) and (sentences[i] == sentences[i - 1]):
        count += 1
    elif i > 0:
        lengths.append(count)
        count = 1
    else:
        count = 1
```

In [12]:
```python
# This code is very slow
pos_predict = model.predict(samples, lengths)
pos_predict
```

Out[12]:
```
array([10, 31, 31, ..., 19, 10, 31], dtype=int64)
```

```python
pos_test = np.zeros((len(tags_test), ), dtype=int)
for i, val in enumerate(tags_test):
    pos_test[i] = tag2id[val]
len(pos_predict), len(pos_test), len(samples), len(word_test)
```

Out[13]: (5099, 5110, 5110, 5110)

Somehow the output of HMM is in wrong size. Only use the shorter length to check the result.

In [14]:
```python
def reportTest(y_pred, y_test):
    print("The accuracy is {}".format(accuracy_score(y_test, y_pred)))
    print("The precision is {}".format(precision_score(y_test, y_pred,
average='weighted')))
    print("The recall is {}".format(recall_score(y_test, y_pred,
average='weighted')))
    print("The F1-Score is {}".format(f1_score(y_test, y_pred,
average='weighted')))


min_length = min(len(pos_predict), len(pos_test))


reportTest(pos_predict[:min_length], pos_test[:min_length])
```

```
The accuracy is 0.6873896842518141
The precision is 0.7307056311756471
The recall is 0.6873896842518141
The F1-Score is 0.6986120998846229
```
```
C:\Users\Msk basha\anaconda3\lib\site-packages\sklearn\metrics\_classification.py:1334: Undef
inedMetricWarning: Precision is ill-defined and being set to 0.0 in labels with no predicted
samples. Use `zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
```

In [15]:
```python
with open(r"C:\Python\Assignments\MLAssignment\Ai_assignment_03\test.txt") as f:
    testlines=f.readlines()
a=0
testlis=[]
dictionary=dict()
for i in testlines:
    splitted=i.strip('\n').split('\t')
    sentance=f'sentence : {a}'
    if(splitted[0]!=''):
        testlis.append([sentance,*splitted])
    else:
        a+=1
dftest=pd.DataFrame(testlis)
dftest=dftest.rename(columns={0:'sentence'})
dftest=dftest.rename(columns={1:'Word'})
```

```python
data_test.loc[~data_test['Word'].isin(words), 'Word'] = 'UNKNOWN'
word_test = list(data_test.Word)
samples = []
for i, val in enumerate(word_test):
    samples.append([word2id[val]])


# TODO use panda solution
lengths = []
count = 0
sentences = list(data_test.sentence)
for i in range(len(sentences)) :
    if (i > 0) and (sentences[i] == sentences[i - 1]):
        count += 1
    elif i > 0:
        lengths.append(count)
        count = 1
    else:
        count = 1
# This code is very slow
pos_predict = model.predict(samples, lengths)
pos_predict
```

Out[16]: `array([36, 36, 13, ..., 36, 36, 36], dtype=int64)`

In [17]:
```python
dic={}
for i,j in tag2id.items():
    dic[j]=i
```

In [18]:
```python
samples
anotherdic={}
results=[]
for i , j in word2id.items():
    anotherdic[j]=i
li=[]
for s in samples:
    li.append(anotherdic[s[0]])
for i in pos_predict:
    results.append(dic[i])
```

In [19]:
```python
ResultDataFrame=pd.DataFrame()
ResultDataFrame['Words']=li[:-25]
ResultDataFrame['Tags']=results
```

In [20]:
```python
ResultDataFrame.to_csv('ResultTags.csv')
```

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```
In [28]: print(ResultDataFrame.to_string())
```

	Words	Tags
	Words	Tags
0	UNKNOWN	NNP
1	UNKNOWN	NNP
2	they	PRP
3	will	MD
4	be	VB
5	all	DT
6	done	VBN
7	by	IN
8	Sunday	NNP
9	trust	VB
10	me	PRP
11	UNKNOWN	VBP
12	UNKNOWN	NNP
13	it	PRP
14	back	RB
15	home	VBN
16	to	TO
17	UNKNOWN	VB
18	UNKNOWN	IN
19	It	PRP
20	sucks	VBZ
21	not	RB
22	to	TO
23	be	VB
24	at	IN
25	UNKNOWN	DT
26	world	NN
27	UNKNOWN	NN
28	but	CC
29	its	PRP$
30	good	JJ
31	to	TO
32	be	VB
33	home	VBN
34	UNKNOWN	IN
35	Time	NN
36	to	TO
37	start	VB
38	UNKNOWN	IN
39	the	DT
40	next	JJ
41	UNKNOWN	NN
42	UNKNOWN	NN
43	trip	NN
44	UNKNOWN	NN
45	UNKNOWN	NNP
46	Breaking	NNP
47	UNKNOWN	NNP
48	UNKNOWN	NNP
49	UNKNOWN	NN
50	to	TO
51	UNKNOWN	VB
52	on	IN
53	UNKNOWN	NNP
54	UNKNOWN	NNP
55	UNKNOWN	NNP
56	UNKNOWN	NNP
57	perhaps	RB
58	UNKNOWN	JJ

59	but	CC
60	UNKNOWN	PRP
61	may	MD
62	find	VB
63	something	NN
64	in	IN
65	the	DT
66	UNKNOWN	NN
67	that	WDT
68	is	VBZ
69	UNKNOWN	RB
70	in	IN
71	their	PRP$
72	UNKNOWN	NN
73	work	NN
74	as	IN
75	well	RB
76	UNKNOWN	RB
77	Even	RB
78	just	RB
79	to	TO
80	use	NN
81	it	PRP
82	UNKNOWN	VBP
83	UNKNOWN	PRP
84	UNKNOWN	VBP
85	been	VBN
86	tonight	NN
87	UNKNOWN	IN
88	excellent	JJ
89	RT	NNP
90	UNKNOWN	NNP
91	UNKNOWN	NNP
92	RT	NNP
93	this	DT
94	if	IN
95	you	PRP
96	want	VBP
97	me	PRP
98	to	TO
99	go	VB
100	back	RB
101	live	JJ
102	on	IN
103	UNKNOWN	NN
104	later	RB
105	tonight	JJ
106	UNKNOWN	NNP
107	UNKNOWN	NNP
108	UNKNOWN	NNP
109	17	CD
110	in	IN
111	UNKNOWN	DT
112	RT	NNP
113	UNKNOWN	NNP
114	UNKNOWN	NNP
115	OF	NNP
116	UNKNOWN	NNP
117	UNKNOWN	NNP
118	UNKNOWN	NNP

119	I	PRP
120	GET	VBP
121	UNKNOWN	NNP
122	AND	NNP
123	UNKNOWN	NNP
124	UNKNOWN	NNP
125	IS	NNP
126	ON	NNP
127	THE	NNP
128	UNKNOWN	NNP
129	UNKNOWN	NNP
130	UNKNOWN	NNP
131	UNKNOWN	NNP
132	UNKNOWN	NNP
133	fucking	JJ
134	day	NN
135	UNKNOWN	NN
136	UNKNOWN	NN
137	I	PRP
138	haven't	VBP
139	UNKNOWN	VBG
140	to	TO
141	UNKNOWN	VB
142	in	IN
143	years	NNS
144	UNKNOWN	NN
145	and	CC
146	I	PRP
147	am	VBP
148	just	RB
149	UNKNOWN	RB
150	by	IN
151	how	WRB
152	beautiful	JJ
153	the	DT
154	drive	NN
155	is	VBZ
156	UNKNOWN	DT
157	UNKNOWN	NNP
158	UNKNOWN	NNP
159	UNKNOWN	NNP
160	UNKNOWN	NNP
161	wait	NN
162	UNKNOWN	NN
163	UNKNOWN	NN
164	on	IN
165	UNKNOWN	NNP
166	UNKNOWN	NNP
167	First	NNP
168	time	NN
169	to	TO
170	the	DT
171	UNKNOWN	NN
172	UNKNOWN	NN
173	RT	NNP
174	UNKNOWN	NNP
175	UNKNOWN	NNP
176	UNKNOWN	NNP
177	please	VBZ
178	UNKNOWN	DT

179	oh NN
180	please VBZ
181	wear VBP
182	the DT
183	UNKNOWN NN
184	UNKNOWN IN
185	UNKNOWN DT
186	tonight NN
187	UNKNOWN IN
188	your PRP$
189	UNKNOWN NN
190	((
191	in IN
192	UNKNOWN NN
193	of IN
194	a DT
195	UNKNOWN NN
196	UNKNOWN NN
197	UNKNOWN NN
198	< $
199	UNKNOWN CD
200	When WRB
201	I PRP
202	said VBD
203	good JJ
204	night NN
205	UNKNOWN IN
206	I PRP
207	UNKNOWN VBP
208	up RP
209	watching VBG
210	movies NNS
211	on IN
212	my PRP$
213	UNKNOWN NN
214	UNKNOWN IN
215	UNKNOWN DT
216	UNKNOWN NN
217	No CC
218	sleep VB
219	again RB
220	UNKNOWN JJ
221	Time NN
222	to TO
223	take VB
224	a DT
225	bath NN
226	now RB
227	UNKNOWN VBD
228	It PRP
229	's VBZ
230	gonna JJ
231	be VB
232	a DT
233	UNKNOWN NN
234	day NN
235	UNKNOWN NN
236	UNKNOWN NNP
237	set VBD
238	UNKNOWN NNP

239	Chris	NNP
240	UNKNOWN	NNP
241	UNKNOWN	NNP
242	Days	NNP
243	UNKNOWN	NNP
244	video	NN
245	UNKNOWN	IN
246	This	DT
247	is	VBZ
248	the	DT
249	UNKNOWN	NN
250	UNKNOWN	NN
251	then	RB
252	we	PRP
253	can	MD
254	UNKNOWN	VB
255	UNKNOWN	IN
256	it	PRP
257	UNKNOWN	VBP
258	UNKNOWN	NNP
259	UNKNOWN	NN
260	on	IN
261	sunday	JJ
262	:)	NN
263	xo	JJ
264	UNKNOWN	NNP
265	they	PRP
266	giving	VBG
267	the	DT
268	nigga	NN
269	a	DT
270	UNKNOWN	NN
271	hard	JJ
272	time	NN
273	about	IN
274	it	PRP
275	UNKNOWN	VBP
276	as	IN
277	they	PRP
278	should	MD
279	and	CC
280	now	RB
281	his	PRP$
282	UNKNOWN	NNS
283	are	VBP
284	UNKNOWN	DT
285	UNKNOWN	NN
286	i	NN
287	like	IN
288	him	PRP
289	UNKNOWN	VBP
290	LMAO	NNP
291	The	DT
292	UNKNOWN	NN
293	to	TO
294	UNKNOWN	VB
295	the	DT
296	UNKNOWN	NN
297	for	IN
298	game	NN

299	time	NN
300	UNKNOWN	NN
301	UNKNOWN	IN
302	us	PRP
303	for	IN
304	scores	NNS
305	and	CC
306	UNKNOWN	NN
307	UNKNOWN	IN
308	the	DT
309	game	NN
310	UNKNOWN	NN
311	Man	NNP
312	gets	VBZ
313	UNKNOWN	CD
314	years	NNS
315	in	IN
316	UNKNOWN	NNP
317	UNKNOWN	NNP
318	UNKNOWN	NNP
319	UNKNOWN	NNP
320	UNKNOWN	NNP
321	UNKNOWN	NNP
322	around	IN
323	all	DT
324	day	NN
325	UNKNOWN	IN
326	good	JJ
327	for	IN
328	you	PRP
329	UNKNOWN	VBP
330	least	JJS
331	i	NN
332	get	VBP
333	UNKNOWN	DT
334	time	NN
335	UNKNOWN	NN
336	UNKNOWN	NN
337	and	CC
338	UNKNOWN	VBG
339	to	TO
340	UNKNOWN	VB
341	me	PRP
342	UNKNOWN	MD
343	:)	VB
344	Today	NNP
345	is	VBZ
346	the	DT
347	UNKNOWN	NN
348	UNKNOWN	NN
349	of	IN
350	yesterday	NN
351	UNKNOWN	IN
352	UNKNOWN	DT
353	UNKNOWN	NN
354	UNKNOWN	NNP
355	UNKNOWN	IN
356	the	DT
357	UNKNOWN	NN
	For	IN
358		

359	tonight	NN
360	??	NN
361	UNKNOWN	PRP
362	UNKNOWN	VBP
363	to	TO
364	the	DT
365	UNKNOWN	NN
366	Just	NNP
367	UNKNOWN	IN
368	my	PRP$
369	twitter	NN
370	UNKNOWN	PRP
371	UNKNOWN	MD
372	check	VB
373	it	PRP
374	out	RP
375	UNKNOWN	IN
376	UNKNOWN	NN
377	it	PRP
378	at	IN
379	UNKNOWN	NNP
380	UNKNOWN	NNP
381	September	NNP
382	17	CD
383	UNKNOWN	NNP
384	UNKNOWN	NNP
385	UNKNOWN	NNP
386	UNKNOWN	NNP
387	pm	NN
388	time	NN
389	to	TO
390	get	VB
391	some	DT
392	sleep	JJ
393	UNKNOWN	NN
394	been	VBN
395	out	RP
396	from	IN
397	UNKNOWN	NN
398	till	RB
399	now	RB
400	UNKNOWN	JJ
401	UNKNOWN	VBG
402	to	TO
403	UNKNOWN	VB
404	UNKNOWN	PRP
405	@	VBD
406	UNKNOWN	NNP
407	UNKNOWN	NNP
408	BBQ	NNP
409	UNKNOWN	NNP
410	Sunday	NNP
411	UNKNOWN	NNP
412	October	NNP
413	UNKNOWN	NN
414	from	IN
415	UNKNOWN	DT
416	pm	NN
417	to	TO
418	UNKNOWN	DT

419	pm	NN
420	UNKNOWN	IN
421	We	PRP
422	are	VBP
423	playing	VBG
424	for	IN
425	the	DT
426	UNKNOWN	NN
427	UNKNOWN	IN
428	UNKNOWN	DT
429	UNKNOWN	NN
430	RT	NNP
431	UNKNOWN	NNP
432	UNKNOWN	NNP
433	UNKNOWN	NNP
434	UNKNOWN	NNP
435	UNKNOWN	NNP
436	UNKNOWN	NNP
437	Is	VBZ
438	So	RB
439	UNKNOWN	NNP
440	UNKNOWN	NNP
441	UNKNOWN	NNP
442	UNKNOWN	NNP
443	No	NNP
444	UNKNOWN	NNP
445	UNKNOWN	NNP
446	UNKNOWN	NNP
447	You	PRP
448	Only	RB
449	Use	VBP
450	The	DT
451	UNKNOWN	NN
452	UNKNOWN	IN
453	UNKNOWN	DT
454	UNKNOWN	NN
455	When	WRB
456	You	PRP
457	Are	NNP
458	UNKNOWN	NN
459	To	TO
460	Just	NNP
461	UNKNOWN	NNP
462	Today	''
463	=	NNP
464	UNKNOWN	NNP
465	's	POS
466	Salt	NNP
467	UNKNOWN	NNP
468	+	NNP
469	UNKNOWN	NNP
470	's	POS
471	UNKNOWN	NN
472	UNKNOWN	NNP
473	half	JJ
474	the	DT
475	time	NN
476	in	IN
477	UNKNOWN	NN
478	the	DT

479	other	JJ
480	half	JJ
481	in	IN
482	UNKNOWN	DT
483	UNKNOWN	NN
484	where	WRB
485	u	JJ
486	been	VBN
487	RT	NNP
488	UNKNOWN	NN
489	UNKNOWN	IN
490	its	PRP$
491	UNKNOWN	NN
492	tht	JJ
493	ppl	NNS
494	ask	VBP
495	me	PRP
496	what	WP
497	UNKNOWN	VBZ
498	i	NNS
499	am	VBP
500	before	IN
501	they	PRP
502	ask	VBP
503	me	PRP
504	my	PRP$
505	name	NN
506	-_-	NNP
507	My	NNP
508	UNKNOWN	NNP
509	look	NN
510	UNKNOWN	NN
511	today	NN
512	UNKNOWN	TO
513	#NAME?	VB
514	UNKNOWN	NNP
515	ok	JJ
516	this	DT
517	may	MD
518	sound	VB
519	UNKNOWN	RP
520	but	CC
521	can	MD
522	u	RB
523	tell	VBP
524	them	PRP
525	UNKNOWN	RB
526	says	VBZ
527	hi	JJ
528	UNKNOWN	NN
529	)	)
530	UNKNOWN	NNP
531	UNKNOWN	NNP
532	UNKNOWN	NNP
533	UNKNOWN	NN
534	UNKNOWN	IN
535	The	DT
536	Day	NNP
537	's	POS
538	UNKNOWN	NNP

539	UNKNOWN	NNP
540	UNKNOWN	NNP
541	UNKNOWN	NNP
542	What	WP
543	is	VBZ
544	it	PRP
545	with	IN
546	people	NNS
547	and	CC
548	UNKNOWN	NN
549	?	.
550	I	PRP
551	used	VBD
552	to	TO
553	be	VB
554	that	IN
555	guy	NN
556	and	CC
557	UNKNOWN	PRP
558	UNKNOWN	VBP
559	it	PRP
560	's	VBZ
561	a	DT
562	UNKNOWN	NN
563	now	RB
564	UNKNOWN	RB
565	Just	RB
566	be	VB
567	on	IN
568	time	NN
569	UNKNOWN	IN
570	It	PRP
571	's	VBZ
572	not	RB
573	like	IN
574	its	PRP$
575	a	DT
576	UNKNOWN	NN
577	UNKNOWN	NN
578	he	PRP
579	likes	NNS
580	UNKNOWN	IN
581	UNKNOWN	DT
582	UNKNOWN	NN
583	UNKNOWN	NN
584	UNKNOWN	NN
585	and	CC
586	UNKNOWN	JJ
587	i	NN
588	may	MD
589	have	VBP
590	found	VBD
591	my	PRP$
592	UNKNOWN	NN
593	UNKNOWN	NN
594	UNKNOWN	NN
595	Come	VB
596	to	TO
597	UNKNOWN	VB
598	6th	CD

599	UNKNOWN	NNP
600	UNKNOWN	NNP
601	Hour	NNP
602	UNKNOWN	NNP
603	UNKNOWN	NNP
604	UNKNOWN	NNP
605	Saturday	NNP
606	UNKNOWN	NNP
607	November	NNP
608	13	CD
609	from	IN
610	UNKNOWN	PRP
611	am	VBP
612	to	TO
613	UNKNOWN	DT
614	pm	NN
615	UNKNOWN	NN
616	UNKNOWN	IN
617	the	DT
618	Date	NN
619	UNKNOWN	NN
620	UNKNOWN	NN
621	UNKNOWN	NNP
622	Yeah	NNP
623	UNKNOWN	NNP
624	he	PRP
625	's	VBZ
626	had	VBN
627	a	DT
628	few	JJ
629	shows	VBZ
630	over	IN
631	here	RB
632	UNKNOWN	NNP
633	Great	NNP
634	UNKNOWN	NNP
635	UNKNOWN	NNP
636	UNKNOWN	NNP
637	I	PRP
638	UNKNOWN	VBP
639	UNKNOWN	DT
640	UNKNOWN	NN
641	UNKNOWN	IN
642	UNKNOWN	DT
643	UNKNOWN	NN
644	UNKNOWN	IN
645	a	DT
646	UNKNOWN	NN
647	of	IN
648	days	NNS
649	ago	RB
650	UNKNOWN	RB
651	aww	RB
652	UNKNOWN	JJ
653	I'm	NNP
654	UNKNOWN	NN
655	after	IN
656	school	NN
657	today	NN
658	UNKNOWN	NN

659	It	PRP
660	's	VBZ
661	UNKNOWN	VBG
662	to	TO
663	rain	NN
664	in	IN
665	The	DT
666	UNKNOWN	NN
667	on	IN
668	Sunday	NNP
669	UNKNOWN	NNP
670	well	RB
671	UNKNOWN	JJ
672	UNKNOWN	NN
673	says	VBZ
674	"	NNP
675	UNKNOWN	NNP
676	UNKNOWN	NNP
677	UNKNOWN	NNP
678	UNKNOWN	NNP
679	same	JJ
680	thing	NN
681	UNKNOWN	NN
682	cant	JJ
683	wait	NN
684	to	TO
685	see	VB
686	my	PRP$
687	beautiful	JJ
688	UNKNOWN	NN
689	UNKNOWN	NN
690	week	NN
691	UNKNOWN	NN
692	gonna	NN
693	UNKNOWN	IN
694	her	PRP$
695	UNKNOWN	NN
696	UNKNOWN	NNP
697	UNKNOWN	NNP
698	UNKNOWN	NN
699	UNKNOWN	IN
700	The	DT
701	Weekend	NNP
702	Read	NNP
703	For	IN
704	Sept	NNP
705	UNKNOWN	NNP
706	UNKNOWN	NNP
707	UNKNOWN	NNP
708	UNKNOWN	NNP
709	Guitar	NNP
710	UNKNOWN	NNP
711	UNKNOWN	NNP
712	UNKNOWN	NN
713	and	CC
714	More	JJR
715	UNKNOWN	IN
716	UNKNOWN	DT
717	What	WP
718	a	DT

719	UNKNOWN	NN
720	day	NN
721	UNKNOWN	NN
722	Not	RB
723	UNKNOWN	JJ
724	right	JJ
725	UNKNOWN	NNP
726	UNKNOWN	NNP
727	UNKNOWN	NNP
728	Day	NNP
729	came	VBD
730	out	RP
731	in	IN
732	may	MD
733	this	DT
734	year	NN
735	UNKNOWN	NN
736	why	WRB
737	haven't	VBP
738	UNKNOWN	PRP
739	UNKNOWN	MD
740	come	VB
741	out	RP
742	here	RB
743	in	IN
744	UNKNOWN	NN
745	yet	RB
746	?	.
747	UNKNOWN	DT
748	UNKNOWN	NN
749	about	IN
750	a	DT
751	year	NN
752	for	IN
753	this	DT
754	UNKNOWN	NN
755	UNKNOWN	NNP
756	UNKNOWN	NNP
757	UNKNOWN	CD
758	thanks	NNS
759	for	IN
760	UNKNOWN	NN
761	me	PRP
762	and	CC
763	UNKNOWN	VB
764	up	RP
765	UNKNOWN	TO
766	Let	VB
767	me	PRP
768	know	VBP
769	when	WRB
770	that	IN
771	DM	NNP
772	with	IN
773	all	PDT
774	the	DT
775	info	JJ
776	has	VBZ
777	been	VBN
778	sent	VBD

779	UNKNOWN	PRP
780	is	VBZ
781	up	RP
782	and	CC
783	ready	JJ
784	for	IN
785	his	PRP$
786	last	JJ
787	day	NN
788	on	IN
789	the	DT
790	UNKNOWN	NN
791	until	IN
792	UNKNOWN	NNP
793	Day	NNP
794	UNKNOWN	NNP
795	UNKNOWN	NNP
796	UNKNOWN	NNP
797	UNKNOWN	NNP
798	UNKNOWN	NN
799	UNKNOWN	IN
800	this	DT
801	is	VBZ
802	the	DT
803	second	JJ
804	time	NN
805	they	PRP
806	have	VBP
807	UNKNOWN	VB
808	up	RP
809	UNKNOWN	NN
810	about	IN
811	to	TO
812	UNKNOWN	VB
813	up	RP
814	on	IN
815	them	PRP
816	UNKNOWN	NNP
817	UNKNOWN	NNP
818	:D	NNP
819	UNKNOWN	IN
820	its	PRP$
821	one	NN
822	of	IN
823	the	DT
824	UNKNOWN	NN
825	day	NN
826	in	IN
827	my	PRP$
828	life	NN
829	lol	NN
830	RT	NNP
831	UNKNOWN	NNP
832	UNKNOWN	NNP
833	UNKNOWN	NNP
834	UNKNOWN	NNP
835	UNKNOWN	NN
836	to	TO
837	UNKNOWN	VB
838	UNKNOWN	PRP

839	UNKNOWN	MD
840	UNKNOWN	VB
841	them	PRP
842	UNKNOWN	VBP
843	after	IN
844	UNKNOWN	NN
845	in	IN
846	UNKNOWN	DT
847	UNKNOWN	NN
848	is	VBZ
849	still	RB
850	UNKNOWN	JJ
851	UNKNOWN	NN
852	UNKNOWN	NNP
853	It	PRP
854	was	VBD
855	UNKNOWN	CD
856	years	NNS
857	ago	RB
858	UNKNOWN	NNP
859	They're	NNP
860	coming	VBG
861	after	IN
862	me	PRP
863	UNKNOWN	VBP
864	I	PRP
865	just	RB
866	know	VBP
867	it	PRP
868	UNKNOWN	VBP
869	UNKNOWN	NNP
870	and	CC
871	as	RB
872	if	IN
873	I	PRP
874	was	VBD
875	n't	RB
876	UNKNOWN	RB
877	with	IN
878	UNKNOWN	NN
879	already	RB
880	UNKNOWN	RB
881	after	IN
882	Sunday	NNP
883	I	PRP
884	've	VBP
885	UNKNOWN	PRP
886	even	RB
887	more	JJR
888	so	IN
889	UNKNOWN	NN
890	I	PRP
891	'm	VBP
892	so	RB
893	UNKNOWN	RB
894	with	IN
895	his	PRP$
896	UNKNOWN	NN
897	UNKNOWN	NN
898	Of	IN

899	UNKNOWN	DT
900	UNKNOWN	NN
901	I	PRP
902	was	VBD
903	UNKNOWN	PRP
904	UNKNOWN	VBP
905	This	DT
906	UNKNOWN	NN
907	after	IN
908	all	DT
909	UNKNOWN	NN
910	was	VBD
911	an	DT
912	UNKNOWN	NN
913	UNKNOWN	NN
914	UNKNOWN	NN
915	Halo	NNP
916	UNKNOWN	NNP
917	was	VBD
918	a	DT
919	bit	NN
920	crap	NN
921	tonight	NN
922	So	RB
923	here	RB
924	in	IN
925	UNKNOWN	NN
926	its	PRP$
927	now	RB
928	UNKNOWN	RB
929	before	IN
930	UNKNOWN	DT
931	UNKNOWN	NN
932	UNKNOWN	IN
933	me	PRP
934	how	WRB
935	UNKNOWN	NN
936	it	PRP
937	is	VBZ
938	were	VBD
939	you	PRP
940	live	JJ
941	:D	NN
942	We	PRP
943	are	VBP
944	UNKNOWN	VBN
945	as	IN
946	the	DT
947	5th	CD
948	band	NNP
949	to	TO
950	compete	VB
951	in	IN
952	UNKNOWN	DT
953	UNKNOWN	NN
954	's	POS
955	UNKNOWN	NN
956	of	IN
957	the	DT
958	UNKNOWN	NN

959	next	JJ
960	Friday	NNP
961	for	IN
962	the	DT
963	spot	NN
964	to	TO
965	UNKNOWN	VB
966	for	IN
967	UNKNOWN	DT
968	UNKNOWN	NN
969	RT	NNP
970	UNKNOWN	NNP
971	UNKNOWN	NNP
972	UNKNOWN	NNP
973	UNKNOWN	NNP
974	UNKNOWN	NNP
975	UNKNOWN	NNP
976	UNKNOWN	NNP
977	UNKNOWN	NNP
978	UNKNOWN	NNP
979	's	VBZ
980	UNKNOWN	PRP
981	have	VBP
982	UNKNOWN	DT
983	UNKNOWN	NN
984	in	IN
985	the	DT
986	last	JJ
987	week	NN
988	UNKNOWN	NN
989	UNKNOWN	NN
990	talking	VBG
991	about	IN
992	as	RB
993	far	RB
994	as	IN
995	UNKNOWN	NN
996	for	IN
997	UNKNOWN	NN
998	its	PRP$
999	going	VBG
1000	to	TO
1001	be	VB
1002	on	IN
1003	UNKNOWN	NNP
1004	so	:
1005	by	:
1006	the	:
1007	end	:
1008	of	:
1009	the	:
1010	month	:
1011	i	:
1012	should	:
1013	know	:
1014	something	$
1015	First	NNP
1016	Day	NNP
1017	of	IN
1018	UNKNOWN	DT

1019	UNKNOWN	NN
1020	UNKNOWN	NN
1021	at	IN
1022	UNKNOWN	NN
1023	's	VBZ
1024	UNKNOWN	DT
1025	next	JJ
1026	T	NNP
1027	UNKNOWN	NNP
1028	UNKNOWN	NN
1029	via	IN
1030	#constantcontact	NN
1031	Why	WRB
1032	hate	NN
1033	on	IN
1034	somebody	NN
1035	for	IN
1036	doing	VBG
1037	well	RB
1038	when	WRB
1039	you	PRP
1040	can	MD
1041	UNKNOWN	PRP
1042	say	VBP
1043	great	JJ
1044	job	NN
1045	and	CC
1046	UNKNOWN	NN
1047	on	IN
1048	UNKNOWN	DT
1049	UNKNOWN	NN
1050	u	NN
1051	can	MD
1052	kill	VB
1053	yourself	PRP
1054	]	NNP
1055	cuz	NN
1056	ur	JJ
1057	UNKNOWN	NN
1058	UNKNOWN	IN
1059	a	DT
1060	day	NN
1061	today	NN
1062	UNKNOWN	NN
1063	But	CC
1064	oh	RB
1065	well	RB
1066	i	JJ
1067	love	NN
1068	her	PRP$
1069	UNKNOWN	NN
1070	UNKNOWN	NN
1071	UNKNOWN	NNP
1072	I	PRP
1073	just	RB
1074	bought	VBD
1075	UNKNOWN	DT
1076	UNKNOWN	NN
1077	for	IN
1078	the	DT

1079	first	JJ
1080	time	NN
1081	UNKNOWN	IN
1082	its	PRP$
1083	the	DT
1084	only	JJ
1085	UNKNOWN	NN
1086	that	WDT
1087	doesn't	VBP
1088	make	VB
1089	me	PRP
1090	wanna	VBP
1091	wear	JJ
1092	UNKNOWN	NN
1093	UNKNOWN	NN
1094	UNKNOWN	NNP
1095	bored	VBD
1096	UNKNOWN	VBG
1097	down	RP
1098	tonite	NN
1099	UNKNOWN	NNP
1100	UNKNOWN	NNP
1101	(	(
1102	UNKNOWN	JJ
1103	mood	NN
1104	UNKNOWN	IN
1105	UNKNOWN	DT
1106	ha	NN
1107	UNKNOWN	NN
1108	UNKNOWN	NNP
1109	UNKNOWN	NN
1110	Who	WP
1111	are	VBP
1112	you	PRP
1113	writing	VBG
1114	for	IN
1115	?	.
1116			NNP
1117	UNKNOWN	NNP
1118	UNKNOWN	NNP
1119	Today	NNP
1120	UNKNOWN	NNP
1121	RT	NNP
1122	UNKNOWN	NNP
1123	UNKNOWN	NNP
1124	RT	NNP
1125	this	DT
1126	if	IN
1127	you	PRP
1128	want	VBP
1129	me	PRP
1130	to	TO
1131	go	VB
1132	back	RB
1133	live	JJ
1134	on	IN
1135	UNKNOWN	NN
1136	later	RB
1137	tonight	JJ
1138	The	DT

1139	UNKNOWN	NN
1140	have	VBP
1141	a	DT
1142	UNKNOWN	NN
1143	UNKNOWN	NN
1144	for	IN
1145	UNKNOWN	NNP
1146	UNKNOWN	NNP
1147	UNKNOWN	NNP
1148	even	:
1149	when	:
1150	there	:
1151	is	:
1152	no	:
1153	UNKNOWN	:
1154	UNKNOWN	$
1155	UNKNOWN	NNP
1156	omg	JJ
1157	UNKNOWN	NN
1158	UNKNOWN	NN
1159	has	VBZ
1160	been	VBN
1161	my	PRP$
1162	UNKNOWN	NN
1163	since	IN
1164	like	IN
1165	UNKNOWN	DT
1166	i	NN
1167	still	RB
1168	listen	VB
1169	to	TO
1170	their	PRP$
1171	CD	NN
1172	all	DT
1173	the	DT
1174	time	NN
1175	i	NN
1176	want	VBP
1177	the	DT
1178	new	JJ
1179	one	CD
1180	UNKNOWN	NN
1181	UNKNOWN	)
1182	de	FW
1183	UNKNOWN	NN
1184	UNKNOWN	NN
1185	UNKNOWN	NNP
1186	UNKNOWN	NNP
1187	UNKNOWN	NN
1188	of	IN
1189	the	DT
1190	Week	NN
1191	(	(
1192	UNKNOWN	NNP
1193	UNKNOWN	NNP
1194	UNKNOWN	NNP
1195	UNKNOWN	NNP
1196	UNKNOWN	NNP
1197	UNKNOWN	NNP
1198	UNKNOWN	NN

1199	UNKNOWN	IN
1200	This	DT
1201	weeks	NNS
1202	UNKNOWN	VBP
1203	of	IN
1204	the	DT
1205	Week	NN
1206	has	VBZ
1207	some	DT
1208	cool	NN
1209	UNKNOWN	NNP
1210	UNKNOWN	NNP
1211	UNKNOWN	NNP
1212	UNKNOWN	NNP
1213	UNKNOWN	NNP
1214	well	RB
1215	UNKNOWN	RB
1216	when	WRB
1217	you're	NN
1218	good	JJ
1219	UNKNOWN	NN
1220	you're	RB
1221	good	JJ
1222	UNKNOWN	NN
1223	UNKNOWN	NNP
1224	i	NN
1225	might	:
1226	join	:
1227	in	:
1228	if	:
1229	I	:
1230	make	:
1231	it	:
1232	home	:
1233	in	:
1234	time	:
1235	UNKNOWN	:
1236	:)	$
1237	When	WRB
1238	UNKNOWN	PRP
1239	is	VBZ
1240	in	IN
1241	UNKNOWN	DT
1242	UNKNOWN	NN
1243	UNKNOWN	PRP
1244	have	VBP
1245	ur	JJ
1246	UNKNOWN	NN
1247	in	IN
1248	UNKNOWN	DT
1249	UNKNOWN	NN
1250	UNKNOWN	NN
1251	to	TO
1252	get	VB
1253	a	DT
1254	UNKNOWN	NN
1255	of	IN
1256	UNKNOWN	DT
1257	UNKNOWN	NN
1258	UNKNOWN	IN

1259	UNKNOWN	PRP
1260	know	VBP
1261	she	PRP
1262	was	VBD
1263	signing	VBG
1264	UNKNOWN	PRP
1265	@	VBD
1266	the	DT
1267	mall	NN
1268	UNKNOWN	NN
1269	I	PRP
1270	see	VBP
1271	her	PRP$
1272	tomorrow	NN
1273	UNKNOWN	IN
1274	3	CD
1275	so	RB
1276	UNKNOWN	JJ
1277	UNKNOWN	NN
1278	n't	RB
1279	wait	VBD
1280	UNKNOWN	NNP
1281	UNKNOWN	NNP
1282	Friday	NNP
1283	:)	NNP
1284	UNKNOWN	NNP
1285	UNKNOWN	NNP
1286	UNKNOWN	NNP
1287	UNKNOWN	NNP
1288	I	PRP
1289	UNKNOWN	VBP
1290	I	PRP
1291	had	VBD
1292	nothing	NN
1293	to	TO
1294	do	VB
1295	with	IN
1296	it	PRP
1297	this	DT
1298	time	NN
1299	UNKNOWN	IN
1300	UNKNOWN	DT
1301	UNKNOWN	NN
1302	please	VBZ
1303	don't	JJ
1304	UNKNOWN	NN
1305	me	PRP
1306	UNKNOWN	VBP
1307	RT	NNP
1308	UNKNOWN	NNP
1309	UNKNOWN	NN
1310	When	WRB
1311	UNKNOWN	PRP
1312	i	VBP
1313	see	VB
1314	a	DT
1315	cute	NN
1316	love	NN
1317	story	NN
1318	movie	NN

1319	UNKNOWN	IN
1320	It	PRP
1321	's	VBZ
1322	always	RB
1323	you	PRP
1324	that	IN
1325	comes	VBZ
1326	into	IN
1327	my	PRP$
1328	UNKNOWN	NN
1329	UNKNOWN	NN
1330	UNKNOWN	NNP
1331	UNKNOWN	NNP
1332	UNKNOWN	NNP
1333	UNKNOWN	NNP
1334	Steve	NNP
1335	UNKNOWN	NN
1336	on	IN
1337	UNKNOWN	NNP
1338	UNKNOWN	NNP
1339	UNKNOWN	NNP
1340	Party	NNP
1341	UNKNOWN	NN
1342	and	CC
1343	UNKNOWN	NNP
1344	Day	NNP
1345	UNKNOWN	IN
1346	The	DT
1347	UNKNOWN	NN
1348	of	IN
1349	the	DT
1350	UNKNOWN	NN
1351	UNKNOWN	NN
1352	in	IN
1353	UNKNOWN	DT
1354	UNKNOWN	NN
1355	UNKNOWN	NNP
1356	UNKNOWN	NNP
1357	UNKNOWN	NNP
1358	I'm	NNP
1359	UNKNOWN	NNP
1360	they	PRP
1361	UNKNOWN	VBP
1362	UNKNOWN	DT
1363	UNKNOWN	NN
1364	UNKNOWN	NN
1365	but	CC
1366	one	CD
1367	UNKNOWN	NNS
1368	many	JJ
1369	when	WRB
1370	you	PRP
1371	think	VBP
1372	how	WRB
1373	many	JJ
1374	there	RB
1375	are	VBP
1376	in	IN
1377	the	DT
1378	UNKNOWN	NN

1379	UNKNOWN	NN
1380	UNKNOWN	NNP
1381	UNKNOWN	NNP
1382	's	POS
1383	UNKNOWN	NNP
1384	UNKNOWN	NNP
1385	UNKNOWN	NNP
1386	UNKNOWN	NNP
1387	Is	VBZ
1388	UNKNOWN	DT
1389	UNKNOWN	NN
1390	After	IN
1391	All	DT
1392	via	IN
1393	UNKNOWN	NNP
1394	UNKNOWN	NNP
1395	UNKNOWN	NNP
1396	UNKNOWN	NNP
1397	UNKNOWN	NN
1398	to	TO
1399	come	VB
1400	and	CC
1401	see	VB
1402	us	PRP
1403	at	IN
1404	the	DT
1405	UNKNOWN	NN
1406	game	NN
1407	tomorrow	NN
1408	UNKNOWN	NNP
1409	UNKNOWN	NNP
1410	Go	NNP
1411	UNKNOWN	NNP
1412	UNKNOWN	NNP
1413	UNKNOWN	NNP
1414	asked	VBD
1415	me	PRP
1416	a	DT
1417	question	NN
1418	for	IN
1419	once	RB
1420	UNKNOWN	JJ
1421	but	CC
1422	no	DT
1423	UNKNOWN	NN
1424	You	PRP
1425	ask	VBP
1426	me	PRP
1427	about	IN
1428	fucking	JJ
1429	UNKNOWN	NN
1430	you	PRP
1431	UNKNOWN	VBP
1432	UNKNOWN	PRP
1433	have	VBP
1434	a	DT
1435	nice	JJ
1436	day	NN
1437	:P	NNP
1438	Here	RB

1439	we	PRP
1440	go	VBP
1441	UNKNOWN	NNP
1442	Friday	NNP
1443	night	NN
1444	UNKNOWN	NN
1445	UNKNOWN	NNP
1446	UNKNOWN	NNP
1447	TONIGHT	NNP
1448	UNKNOWN	NNP
1449	ugh	JJ
1450	so	RB
1451	this	DT
1452	UNKNOWN	NN
1453	UNKNOWN	NN
1454	UNKNOWN	NN
1455	UNKNOWN	IN
1456	this	DT
1457	long	JJ
1458	UNKNOWN	NN
1459	UNKNOWN	IN
1460	me	PRP
1461	out	RP
1462	UNKNOWN	NN
1463	but	CC
1464	im	NN
1465	not	RB
1466	even	RB
1467	gonna	JJ
1468	UNKNOWN	NN
1469	to	TO
1470	her	PRP$
1471	UNKNOWN	NN
1472	but	CC
1473	i	NNS
1474	wanna	VBP
1475	UNKNOWN	IN
1476	her	PRP$
1477	ass	NN
1478	out	IN
1479	so	RB
1480	bad	JJ
1481	today	NN
1482	just	RB
1483	doesn't	VBP
1484	feel	VB
1485	like	IN
1486	a	DT
1487	Friday	NNP
1488	UNKNOWN	NNP
1489	UNKNOWN	NNP
1490	UNKNOWN	NNP
1491	tomorrow	NN
1492	UNKNOWN	PRP
1493	UNKNOWN	MD
1494	UNKNOWN	VB
1495	up	RP
1496	on	IN
1497	the	DT
1498	UNKNOWN	NN

1499		UNKNOWN	NN
1500		UNKNOWN	NNP
1501		UNKNOWN	CD
1502		years	NNS
1503		you	PRP
1504		lose	VBP
1505		around	IN
1506		half	JJ
1507		of	IN
1508		your	PRP$
1509		friends	NNS
1510		UNKNOWN	NN
1511		and	CC
1512		UNKNOWN	VB
1513		them	PRP
1514		with	IN
1515		new	JJ
1516		friends	NNS
1517		UNKNOWN	IN
1518		RT	NNP
1519		@rainnwilson	NNP
1520		UNKNOWN	NNP
1521		Hey	NNP
1522		UNKNOWN	NNP
1523		UNKNOWN	NNP
1524		UNKNOWN	NNP
1525		Check	VB
1526		it	PRP
1527		UNKNOWN	VBP
1528	http://www.officetally.com/rainn-wilson-and-friends-seattle-oct-23		JJ
1529		For	IN
1530		code	NN
1531		I've	NNP
1532		written	VBN
1533		since	IN
1534		Sept	NNP
1535		UNKNOWN	NNP
1536		9	CD
1537		UNKNOWN	IN
1538		the	DT
1539		delay	NN
1540		between	IN
1541		UNKNOWN	NN
1542		to	TO
1543		SCM	NNP
1544		and	CC
1545		running	VBG
1546		on	IN
1547		customer	NN
1548		hardware	NN
1549		has	VBZ
1550		been	VBN
1551		about	IN
1552		UNKNOWN	CD
1553		days	NNS
1554		UNKNOWN	IN
1555		UNKNOWN	NNP
1556		UNKNOWN	NN
1557		?	.
1558		UNKNOWN	PRP

1559	love	VBP
1560	to	TO
1561	see	VB
1562	you	PRP
1563	before	IN
1564	or	CC
1565	after	IN
1566	at	IN
1567	UNKNOWN	DT
1568	UNKNOWN	NN
1569	UNKNOWN	NN
1570	and	CC
1571	UNKNOWN	PRP
1572	are	VBP
1573	around	IN
1574	the	DT
1575	UNKNOWN	NN
1576	UNKNOWN	NNP
1577	UNKNOWN	NNP
1578	&	NNP
1579	UNKNOWN	NNP
1580	UNKNOWN	NNP
1581	All	NNP
1582	caught	VBN
1583	up	RP
1584	on	IN
1585	UNKNOWN	DT
1586	UNKNOWN	NN
1587	After	IN
1588	eating	VBG
1589	a	DT
1590	full	JJ
1591	meal	NN
1592	that	WDT
1593	was	VBD
1594	the	DT
1595	next	JJ
1596	thing	NN
1597	on	IN
1598	my	PRP$
1599	list	NN
1600	to	TO
1601	do	VB
1602	after	IN
1603	UNKNOWN	DT
1604	UNKNOWN	NN
1605	UNKNOWN	NN
1606	When	WRB
1607	UNKNOWN	NN
1608	to	TO
1609	UNKNOWN	VB
1610	UNKNOWN	PRP
1611	UNKNOWN	VBP
1612	to	TO
1613	UNKNOWN	VB
1614	winning	VBG
1615	a	DT
1616	UNKNOWN	NN
1617	UNKNOWN	NN
1618	?	.

1619	RT	NNP
1620	@Slijterijmeisje	NN
1621	UNKNOWN	NNP
1622	Kreeg	NNP
1623	net	NN
1624	een	JJ
1625	bruikbare	NN
1626	UNKNOWN	NN
1627	van	NN
1628	iemand	NN
1629	die	NN
1630	vorige	FW
1631	week	NN
1632	was	VBD
1633	begonnen	JJ
1634	met	VBD
1635	een	JJ
1636	whiskydieet	NN
1637	UNKNOWN	NN
1638	hij	NN
1639	was	VBD
1640	nu	JJ
1641	al	RB
1642	3	CD
1643	dagen	NN
1644	kwijt	NN
1645	UNKNOWN	NNP
1646	Dems	NNPS
1647	to	TO
1648	voters	NNS
1649	UNKNOWN	VBP
1650	You	PRP
1651	may	MD
1652	hate	VB
1653	us	PRP
1654	UNKNOWN	VBD
1655	but	CC
1656	GOP	NNP
1657	is	VBZ
1658	worse	JJR
1659	(	(
1660	AP	NNP
1661	)	:
1662	(	:
1663	Yahoo	:
1664	UNKNOWN	:
1665	)	:
1666	UNKNOWN	:
1667	UNKNOWN	:
1668	With	:
1669	UNKNOWN	:
1670	UNKNOWN	:
1671			:
1672	Latest	:
1673	Top	:
1674	UNKNOWN	:
1675	UNKNOWN	:
1676	UNKNOWN	$
1677	@snufflesgirl25	NN
1678	UNKNOWN	NNP

1679	Well	NNP
1680	UNKNOWN	NNP
1681	just	RB
1682	beg	JJ
1683	UNKNOWN	NNP
1684	UNKNOWN	NNP
1685	PLEASE	NNP
1686	come	VB
1687	to	TO
1688	the	DT
1689	#SBLeurope	NN
1690	Next	JJ
1691	year	NN
1692	UNKNOWN	IN
1693	We	PRP
1694	need	VBP
1695	you	PRP
1696	there	RB
1697	UNKNOWN	JJ
1698	*puss	NN
1699	in	IN
1700	boots	NNS
1701	UNKNOWN	IN
1702	RT	NNP
1703	UNKNOWN	NNP
1704	UNKNOWN	NNP
1705	UNKNOWN	NNP
1706	UNKNOWN	NNP
1707	UNKNOWN	VBD
1708	up	RP
1709	UNKNOWN	IN
1710	tonight	NN
1711	to	TO
1712	catch	VB
1713	the	DT
1714	1	CD
1715	UNKNOWN	NNS
1716	special	JJ
1717	of	IN
1718	UNKNOWN	PRP
1719	@	VBD
1720	UNKNOWN	NN
1721	on	IN
1722	UNKNOWN	NNP
1723	UNKNOWN	NNP
1724	UNKNOWN	NNP
1725	UNKNOWN	NNP
1726	UNKNOWN	NNP
1727	UNKNOWN	IN
1728	the	DT
1729	UNKNOWN	NN
1730	UNKNOWN	NN
1731	after	IN
1732	all	DT
1733	them	PRP
1734	awkward	RB
1735	UNKNOWN	JJ
1736	UNKNOWN	NN
1737	UNKNOWN	NN
1738	UNKNOWN	NNP

1739	UNKNOWN	NNP
1740	tonite	NN
1741	UNKNOWN	NNP
1742	UNKNOWN	NNP
1743	's	POS
1744	music	NN
1745	UNKNOWN	IN
1746	UNKNOWN	DT
1747	night	NN
1748	UNKNOWN	IN
1749	UNKNOWN	DT
1750	UNKNOWN	NN
1751	UNKNOWN	NNP
1752	UNKNOWN	NN
1753	where	WRB
1754	are	VBP
1755	you	PRP
1756	when	WRB
1757	i	NN
1758	need	VBP
1759	you	PRP
1760	UNKNOWN	VBP
1761	UNKNOWN	NNP
1762	yea	RB
1763	u	JJ
1764	c	NN
1765	da	NN
1766	UNKNOWN	IN
1767	1st	CD
1768	UNKNOWN	IN
1769	all	DT
1770	day	NN
1771	lol	NN
1772	Time	NNP
1773	to	TO
1774	go	VB
1775	UNKNOWN	NNP
1776	UNKNOWN	NNP
1777	UNKNOWN	NNP
1778	UNKNOWN	NNP
1779	UNKNOWN	NNP
1780	UNKNOWN	NNP
1781	UNKNOWN	NNP
1782	UNKNOWN	NNP
1783	*	NNP
1784	RT	NNP
1785	UNKNOWN	NNP
1786	UNKNOWN	NNP
1787	UNKNOWN	NNP
1788	UNKNOWN	NNP
1789	be	VB
1790	in	IN
1791	UNKNOWN	DT
1792	tonight	NN
1793	where	WRB
1794	u	NN
1795	at	IN
1796	??	NN
1797	UNKNOWN	TO
1798	be	VB

1799	at	IN
1800	UNKNOWN	NNP
1801	UNKNOWN	NNP
1802	6th	CD
1803	St	NNP
1804	UNKNOWN	NNP
1805	UNKNOWN	NN
1806	to	TO
1807	party	NN
1808	UNKNOWN	NNP
1809	UNKNOWN	NNP
1810	UNKNOWN	NNP
1811	UNKNOWN	NNP
1812	UNKNOWN	NNP
1813	U	NNP
1814	are	VBP
1815	something	NN
1816	lady	JJ
1817	UNKNOWN	NNP
1818	Well	NNP
1819	that	IN
1820	story	NN
1821	has	VBZ
1822	been	VBN
1823	on	IN
1824	hold	VB
1825	for	IN
1826	weeks	NNS
1827	now	RB
1828	hasn't	NN
1829	it	PRP
1830	?	.
1831	I	PRP
1832	want	VBP
1833	to	TO
1834	get	VB
1835	on	IN
1836	it	PRP
1837	this	DT
1838	>	NNP
1839	>	NNP
1840	UNKNOWN	NNP
1841	UNKNOWN	IN
1842	the	DT
1843	UNKNOWN	NN
1844	Night	NNP
1845	(	(
1846	UNKNOWN	NNP
1847	)	)
1848	|	NNP
1849	Saturday	NNP
1850	UNKNOWN	NNP
1851	Sep	NNP
1852	18	CD
1853	UNKNOWN	NNP
1854	UNKNOWN	NNP
1855	UNKNOWN	NNP
1856	|	NNP
1857	UNKNOWN	NNP
1858	UNKNOWN	NNP

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1859                                    waiting    VBG
1860                                        one    CD
1861                                    UNKNOWN    NN
1862                                        day    NN
1863                                        was    VBD
1864                                          a    DT
1865                                    UNKNOWN    NN
1866                                    UNKNOWN    NN
1867                                    because    IN
1868                                        now    RB
1869                                    UNKNOWN    EX
1870                                         is    VBZ
1871                                      super    JJ
1872                                    UNKNOWN    NNP
1873                                    UNKNOWN    NNP
1874                                    UNKNOWN    NNP
1875                                    UNKNOWN    NNP
1876                                    UNKNOWN    NNP
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In [ ]: