			accuracy for	accuracy for	number of	number of
tag	accuracy	f1 score	unknown	known	unknown	known
	v		words	words	words	words
A	94.84 %	93.22 %	81.82 %	95.54 %	11	202
(إسم) B	34.04 /0	99.22 /0	01.02 /0	99.94 /0	11	202
	100.0 %	100.0 %	100.0 %	100.0 %	9	178
(رقم) C						
السم معرف) D (إضافة) E	94.52~%	58.09 %	77.78 %	95.62 %	9	137
D	07 01 07	C4 11 07	01 49 07	00.0.07	14	107
(إضافة)	85.61 %	64.11 %	21.43 %	92.8 %	14	125
E	94.44 %	93.12 %	33.33 %	96.79 %	6	156
(منعوت) F	J4.44 /0	33.12 /0	99.99 70	30.13 70	0	100
	88.33 %	83.27 %	71.43 %	89.76 %	14	166
(نعت) G						
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	95.45~%	32.56 %	100.0 %	95.35 %	1	43
(حرف جر) H						
(إسم مجرور) I	74.36 %	50.37 %	52.63 %	95.0 %	19	20
I	98.96 %	49.74 %	100.0 %	98.94 %	2	94
(و حدة قيس) J	98.90 %	49.74 70	100.0 %	98.94 70	2	94
	100.0 %	100.0 %	NULL	100.0 %	0	26
(واو العطف) K	100.0 70	100.0 70	11022	100.0 70	<u> </u>	
17	00 00 04	45 00 07	00.05.04	00.00.04		15
(فعل مبني للمجهول) L	88.89 %	47.06 %	66.67 %	93.33 %	3	15
للمجهول)						
	0.0 %	0.0 %	0.0 %	NULL	2	0
(المفعول المطلق) M						
(أداةُ عَطْفٌ غير	100.0 %	100.0 %	NULL	100.0 %	0	1
واو العطف)						
	100.0 %	100.0 %	NULL	100.0 %	0	784

Table 1: Performances for each tag using our ingredient extractor for fold 1 with $\lambda=4$ when accuracy is 100% on first layer

			accuracy for	accuracy for	number of	unknown
tag	accuracy	f1 score	unknown	known	unknown	words
			words	words	words	percentage
0	95.78~%	67.91 %	61.11 %	97.38 %	78	9.67 %
1	94.38 %	66.54 %	68.85 %	95.92 %	107	13.26 %
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	_	_	-	-
Avg	-	-	-	-	-	-

Table 2: Performances in predicting ingredients states for fold 1 with $\lambda=4$ when accuracy is 100% on first layer