			accuracy for	accuracy for	number of	number of
tag	accuracy	f1 score	unknown	known	unknown	known
1448	accuracy	II score	words	words	words	words
A			words	words	words	words
1	94.84 %	93.22~%	81.82 %	95.54 %	11	202
(إسم) B						
В	100.0 %	100.0 %	100.0 %	100.0 %	9	178
رقم) C	100.0 70	100.0 70	100.0 70	100.0 70	, and the second	110
C	94.52 %	58.09 %	77.78 %	95.62 %	9	137
(إسم معرف)	94.02 /0	36.09 70	11.10 /0	95.02 /0	9	191
D	05 61 07	04 11 07	01 40 07	00 0 04	1.4	105
(إضافة)	85.61 %	64.11 %	21.43 %	92.8 %	14	125
راسم معرف) D (إضافة) E		04			_	
(ت معنم)	94.44~%	93.12 %	33.33 %	96.79 %	6	156
(منعوت) F						
(****)	88.33~%	83.27 %	71.43 %	89.76 %	14	166
(نعت) G						
G	95.45 %	32.56~%	100.0 %	95.35 %	1	43
(حرف جر) H						
H	74.36 %	50.37 %	52.63 %	95.0 %	19	20
(إسم مجرور) I	11.00 /0	30.31 70	02.00 /0	30.0 70	10	20
	98.96 %	49.74 %	100.0 %	98.94 %	2	94
(و حدة قيس) آ.	90.90 /0	49.74 /0	100.0 /0	90.94 /0		94
J		10000		10000		
(ه اه العطف)	100.0 %	100.0 %	NULL	100.0 %	0	26
(واو العطف) K						
(هوار مین	88.89 %	47.06 %	66.67 %	93.33 %	3	15
(قعل مبني	00.09 /0	47.00 /0	00.07 /0	93.33 /0	3	19
(فعل مبني للمجهول) L						
L	0.0 %	0.0 %	0.0 %	NULL	2	0
(المفعول المطلق) M	0.0 /0	0.0 70	0.0 70	11022	_	
M						
(أداةُ عَطْفٌ غير	100.0 %	100.0 %	NULL	100.0 %	0	1
واو العطف)						
(100.0 %	100.0 %	NULL	100.0 %	0	784
·	100.0 /0	100.0 70	1,011	100.0 /0	<u> </u>	

Table 1: Performances for each tag using our ingredient extractor for fold 5 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	95.08~%	67.39 %	67.96 %	96.54 %	88	10.9 %
3	95.83~%	67.71 %	62.65 %	97.25 %	75	9.29 %
4	94.83~%	67.72 %	71.84 %	96.0 %	92	11.4 %
5	95.9 %	69.57 %	70.79 %	97.0 %	83	10.29 %
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	_	-
Avg	-	-	-	-	-	-

Table 2: Performances in predicting ingredients states for fold 5 with $\lambda=4$ when accuracy is 100% on first layer