## WRITTEN QUESTION TO THE MINISTER FOR HEALTH AND SOCIAL SERVICES BY SENATOR S.C. FERGUSON ANSWER TO BE TABLED ON MONDAY 18th JULY 2011

## Question

- a) Will the Minister supply as promised the answer to 6476 and state the total hours on duty undertaken by each of the hospital Middle Grade doctors for the period from 9am on 6th June to 9am on 13th June, including the hours of 'on call' which may partly have been spent at home for which no distinction needs to be made for the purposes of this answer?
- b) Under the present rota arrangements, do any Middle Grade doctors undertake more hours on duty than they did in the specified week if their colleagues are on annual or study leave?
- c) When Middle Grade doctors undertake extra hours on duty to cover the 'on call' duties of colleagues on leave, is this on a voluntary basis, or compulsory?

## **Answer**

This information should be read alongside the answer to Question 6494.

- a) A summary of hours worked by individual Middle Grade doctors from 9am on 6th June to 9am on 13th June is attached. Names have been removed for reasons of confidentiality.
  - A distinction has been made between resident on-call<sup>1</sup> and on-call<sup>2</sup> because it is not possible to understand or interpret the data without this information. The difference between resident on-call and on-call has a significant bearing on work intensity and hours spent at home. In addition it has a bearing on the application of European Working Time Directive standards.
- b) Under present rota arrangements, if middle grade colleagues are away on leave this may generate additional hours for other middle grade doctors, particularly in relation to out of hours cover.
- c) T hese shifts are currently offered on a voluntary basis and prove popular with individual doctors as they attract additional payments.

<sup>&</sup>lt;sup>1</sup> **Resident on-call:** A doctor who is resident on-call is resident in the hospital and can by called upon to work as and when required. During the hours that they are resident on-call they could be working or resting (ie. they are available for work but not necessarily working). Doctors who are resident on-call are much more likely to be required to work during the on-call period (ie. the work intensity is higher)

<sup>&</sup>lt;sup>2</sup> On call: A doctor on-call will be at home, as opposed to in the hospital. They will called upon to work as and when required. During the hours they are on-call they could be working or resting (ie. they are available for work but not necessarily working). Doctors on-call are very rarely called on for any significant period of work (ie. the work intensity is much lower).

Accident & Emergency S	Grade SG SG SG Locum SG AS SG	Shift Type Full Full Full Full 24 Partial	Yes Yes Yes Yes Yes Yes Yes Yes Yes if ICU, No if Theatres Yes if ICU, No if Theatres	AM 0.0 3.0 0.0 4.0 0.0	8.0 5.0 0.0 5.0 0.0	0.0 0.0 0.0 0.0 0.0 8.0	AM 0.0 3.0 4.0 0.0	PM 8.0 5.0 5.0 0.0	0.0 0.0 0.0 0.0	3.0 0.0 0.0	9M 0.0 5.0 0.0	0.0 0.0 8.0	0.0 4.0 4.0	<b>PM</b> 0.0 5.0 5.0	0.0 0.0 0.0	0.0 0.0 0.0	PM 0.0 0.0 0.0	0.0 0.0 0.0 8.0	0.0 0.0 0.0	0.0 0.0 0.0	16 33 34	ary (inc in total hrs)
Emergency S Accident & Emergency S	SG SG Locum SG AS SG	Full Full Full 24 Partial	Yes Yes Yes Yes if ICU, No if Theatres Yes if ICU, No if	3.0 0.0 4.0 0.0	5.0 0.0 5.0 0.0	0.0	3.0 4.0 0.0	5.0 5.0 0.0	0.0	3.0	5.0	0.0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	33	
Accident & Emergency S	SG SG Locum SG AS SG	Full Full Full 24 Partial	Yes Yes Yes Yes if ICU, No if Theatres Yes if ICU, No if	3.0 0.0 4.0 0.0	5.0 0.0 5.0 0.0	0.0	3.0 4.0 0.0	5.0 5.0 0.0	0.0	3.0	5.0	0.0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	33	
Emergency S Accident & Emergency S Accident & L Emergency S Accident & L Emergency S Accident & Emergency A Accident & Emergency A	SG Locum SG AS SG	Full Full 24 Partial	Yes Yes Yes if ICU, No if Theatres Yes if ICU, No if	0.0 4.0 0.0	0.0 5.0 0.0	0.0	4.0	5.0	0.0	0.0	0.0										34	
Accident & Emergency S Accident & Emergency S Accident & Emergency A Accident & Emergency A	SG Locum SG AS SG	Full Full 24 Partial	Yes Yes Yes if ICU, No if Theatres Yes if ICU, No if	0.0 4.0 0.0	0.0 5.0 0.0	0.0	4.0	5.0	0.0	0.0	0.0										34	
Emergency S Accident & L Emergency S Accident & Emergency A Emergency A  Anaesthetics S	Locum SG AS SG SG	Full Full 24 Partial	Yes Yes if ICU, No if Theatres Yes if ICU, No if	4.0	5.0	0.0	0.0	0.0				8.0	4.0	5.0	0.0	0.0	0.0	8.0	0.0	0.0		
Accident & L. Emergency S Accident & Emergency A Anaesthetics S	Locum SG AS SG SG	Full Full 24 Partial	Yes Yes if ICU, No if Theatres Yes if ICU, No if	4.0	5.0	0.0	0.0	0.0				0.0										
Accident & Emergency A  Anaesthetics S	AS SG SG	Full 24 Partial	Yes Yes if ICU, No if Theatres Yes if ICU, No if	0.0	0.0				0.0	0.0												1
Anaesthetics S	SG SG	24 Partial	Yes if ICU, No if Theatres Yes if ICU, No if			8.0	0.0	0.0		0.0	8.0	0.0	0.0	0.0	8.0	0.0	8.0	0.0	12.0	12.0	57	
Anaesthetics S	SG SG	24 Partial	Yes if ICU, No if Theatres Yes if ICU, No if			8.0	0.0	$\cap \cap$														
	SG	Partial 24	No if Theatres Yes if ICU, No if	4.0	5.0			0.0	8.0	0.0	8.0	0.0	0.0	8.0	0.0	4.0	5.0	0.0	6.0	6.0	53	
	SG	Partial 24	Theatres Yes if ICU, No if	4.0	5.0																	ļ.
	SG	24	Yes if ICU, No if	4.0	5.0	~ ~	2.5	- 0	45.5	0.0	0.0	0.0	4.0	<b>5</b> 0	0.0	4.0	- o	0.0	0.0	0.0	<b>54</b>	ļ.
Anaesthetics S			No if			0.0	3.5	5.0	15.5	0.0	0.0	0.0	4.0	5.0	0.0	4.0	5.0	0.0	0.0	0.0	51	
Anaesthetics S			-																			[
				3.5	5.0	15.5	0.0	0.0	0.0	3.5	0.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	0.0	0.0	45	
l	SG		Yes if ICU,								-		-		-							
	SG	24	No if																			
Anaesthetics S	<u> </u>	Partial	Theatres	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
			Yes if ICU,																			
Anacathatica	۸.	24	No if	0.0	0.0	0.0	2.5	F 0	0.0	2.5	F 0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	
Anaesthetics A	AS	Partial	Theatres	0.0	0.0	0.0	3.5	5.0	0.0	3.5	5.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	
		24	Yes if ICU, No if																			ļ.
Anaesthetics S	SG	Partial	Theatres	0.0	0.0	0.0	3.5	5.0	0.0	3.5	5.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	ļ.
7			Yes if ICU,	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		24	No if																			ļ.
Anaesthetics S	SG	Partial	Theatres	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
			Yes if ICU,																			
A	00	24	No if	0.5	<b>5</b> 0	0.0	0.5	- 0	0.0	0.5	<b>5</b> 0	0.0	0.5	7.0	0.0	0.5	- 0	0.0	04.0	04.0	00	ļ.
Anaesthetics S	SG	Partial	Theatres	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	3.5	7.0	0.0	3.5	5.0	0.0	24.0	24.0	93	
		24	Yes if ICU, No if																			
Anaesthetics A	AS	Partial	Theatres	0.0	0.0	0.0	3.5	5.0	15.5	3.5	0.0	0.0	3.5	5.0	0.0	3.5	5.0	15.5	0.0	0.0	60	ļ.
1			Yes if ICU,					2.0														
		24	No if																			
Anaesthetics S	SG	Partial	Theatres	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	15.5	0.0	0.0	58	
			Yes if ICU,																			
Angosthotica	00	24	No if	2.5	F ^	15.5	0.0	0.0	0.0	2.5	E 0	0.0	2.5	F 0	45.5	2.5	F ^	0.0	0.0	0.0	65	[
Anaesthetics S	SG	Partial	Theatres Yes if ICU,	3.5	5.0	15.5	0.0	0.0	0.0	3.5	5.0	0.0	3.5	5.0	15.5	3.5	5.0	0.0	0.0	0.0	65	
	Locum	24	Yes if ICU, No if																			
	SG	Partial	Theatres	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	15.5	0.0	0.0	0.0	24.0	24.0	98	
		i ai liai	Yes if ICU,	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	2 7.0	21.0	- 50	
l L	Locum	24	No if																			
	SG	Partial	Theatres	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	0.0	0.0	43	
			Yes if ICU,																			
	Locum	24	No if		0.5		0.5	0.5	0.5				0.5			0.5						
Anaesthetics S	SG	Partial	Theatres	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	<u> </u>
ENT A	AS	On-	No	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	40	16.0	24.0	24.0	72	
ENT A	MO	Call On-	INU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	16.0	24.0	24.0	12	
ENT A	AS	Call	No	4.0	0.0	16.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	16.0	4.0	4.0	0.0	0.0	0.0	68	

				0	6/06/20 <sup>-</sup>	11	0	7/06/201	1	08/06/2011			0:	9/06/20	11	10	0/06/20	)11	11/06/ 12/06/ 2011 2011			Volunt
Department	Grade	Shift Type	Resident On-Call	AM	PM	ОС	AM	PM	ОС	АМ	PM	ОС	AM	PM	ОС	AM	PM	ОС	ОС	ОС	Total	ary (inc in total hrs)
General	00	On-	NI.	0.5	<b>5</b> 0	0.0	0.5	<b>5</b> 0	0.0	0.5	- 0	0.0	0.5	<b>5</b> 0	45.5	0.5	<b>5</b> 0	0.0	0.0	0.0	50	
Surgery	SG	Call On-	No	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	15.5	3.5	5.0	0.0	0.0	0.0	58	
General Surgery	SG	Call	No	0.0	0.0	0.0	0.0	0.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	15.5	0.0	0.0	41	
General		On-	110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	- ' '	
Surgery	AS	Call	No	3.5	5.0	15.5	3.5	5.0	0.0	3.5	5.0	15.5	3.5	5.0	0.0	3.5	5.0	0.0	0.0	0.0	74	15.5
General		On-																				
Surgery	AS	Call	No	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	40	
General Surgery	SG	On- Call	No	3.5	5.0	0.0	3.5	4.0	15.5	3.5	5.0	0.0	3.5	5.0	0.0	3.5	5.0	0.0	24.0	24.0	105	
Elderly Care	AS	Full	Yes	0.0	0.0	13.0	0.0	0.0	13.0	0.0	0.0	13.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	52	
Acute	AS	Full	165	0.0	0.0	13.0	0.0	0.0	13.0	0.0	0.0	13.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	32	
Medicine	AS	Full	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Diabetes &										-												
Endocrinology	AS	Full	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Nephrology	AS	Full	Yes	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	40	
Gastroenterology	AS	Full	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Respiratory	AS	Full	Yes	4.0	4.0	0.0	4.0	9.0	0.0	5.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	46	
Cardiology	AS	Full	Yes	5.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	9.0	0.0	5.0	4.0	0.0	0.0	0.0	47	
Neurology	AS	Full	Yes	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	40	
Diabetes &	Locum		1.00			0.0			0.0			0.0			0.0			0.0	0.0	0.0		
Endocrinology	SG	Full	Yes	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	9.0	0.0	13.0	13.0	71	
Acute	Locum																					
Medicine	SG	Full	Yes	4.0	9.0	0.0	5.0	4.0	0.0	4.0	9.0	0.0	5.0	4.0	0.0	0.0	0.0	13.0	0.0	0.0	57	
Acute Medicine	Locum SG	Full	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.0	26	
Wedicine	30	On-	163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.0	20	
Psychiatry	SG	Call	No	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	16.0	24.0	24.0	104	
		On-																				
Psychiatry	SG	Call	No	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	40	
Davishiatus.	00	On-	N <sub>2</sub>	4.0	4.0	40.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	50	
Psychiatry Old Age	SG	Call On-	No	4.0	4.0	16.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	56	
Psychiatry	SG	Call	No	0.0	0.0	0.0	4.0	4.0	0.0	4.0	4.0	16.0	4.0	4.0	16.0	4.0	4.0	0.0	0.0	0.0	64	16.0
		On-										, , , ,										
Psychiatry	AS	Call	No	4.0	4.0	0.0	4.0	4.0	16.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	56	
Public Health	AS	None	n/a	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	40	
		On-																				
Obs & Gynae	SG	Call	Yes	4.5	4.0	15.5	4.5	4.0	0.0	4.5	4.0	0.0	4.5	4.0	0.0	4.5	4.0	15.5	0.0	0.0	74	15.5
Oha 9 Cumaa	00	On-	Vee	4.5	4.0	0.0	4.5	4.0	0.0	4.5	0.0	0.0	4.5	4.0	0.0	4.5	4.0	0.0	24.0	24.0	0.7	
Obs & Gynae	SG	Call On-	Yes	4.5	4.0	0.0	4.5	4.0	0.0	4.5	0.0	0.0	4.5	4.0	0.0	4.5	4.0	0.0	24.0	24.0	87	
Obs & Gynae	SG	Call	Yes	4.5	0.0	0.0	4.5	4.0	0.0	4.5	4.0	0.0	4.5	4.0	0.0	4.5	4.0	15.5	0.0	0.0	54	
		On-		1		1																
Obs & Gynae	AS	Call	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
		On-		,_						4 -				, _			, _	0.5				
Obs & Gynae	SG	Call	Yes	4.5	4.0	0.0	4.5	0.0	0.0	4.5	4.0	15.5	4.5	4.0	0.0	4.5	4.0	0.0	0.0	0.0	54	
Obs & Gynae	SG	On- Call	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Ous & Gyriae	30	On-	163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Obs & Gynae	SG	Call	Yes	0.0	0.0	0.0	4.5	4.0	0.0	4.5	4.0	0.0	4.5	4.0	15.5	4.5	4.0	0.0	0.0	0.0	50	

						0	6/06/20 <sup>-</sup>	11 07/06/2011				08	3/06/20 <sup>-</sup>	11	0	9/06/20	011	10	0/06/20	011	11/06/ 2011	12/06/ 2011		Volunt
Department	Grade	Shift Type	Resident On-Call	AM	PM	ос	AM	PM	ОС	AM	PM	ос	AM	PM	ос	AM	PM	ос	ОС	ос	Total	ary (inc in total hrs)		
Obs & Gynae	SG	On- Call	Yes	4.5	4.0	0.0	4.5	4.0	15.5	4.5	4.0	0.0	4.5	4.0	0.0	4.5	4.0	0.0	0.0	0.0	58			
Oncology	SG	On- Call	No	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	0.0	0.0	40			
Oncology	AS	On- Call	No	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	2.5	0.0	0.0	0.0	39			
Ophthalmolog y	SG	None	n/a	4.0	0.0	0.0	4.0	4.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	24			
Ophthalmolog y	AS	On- Call	No	4.0	4.0	0.0	4.0	4.0	0.0	4.0	0.0	0.0	4.0	4.0	0.0	4.0	0.0	0.0	0.0	0.0	32			
Oral Surgery	AS	On- Call	No	4.0	4.0	0.0	4.0	4.0	16.0	4.0	4.0	0.0	4.0	0.0	16.0	4.0	0.0	0.0	0.0	0.0	64			
Paediatrics	SG	24 Partial	Yes	3.0	5.0	0.0	3.0	5.0	0.0	3.0	5.0	0.0	3.0	5.0	0.0	3.0	5.0	0.0	0.0	0.0	40			
Paediatrics	SG	24 Partial	Yes	3.0	5.0	0.0	3.0	5.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19			
Paediatrics	SG	24 Partial	Yes	3.0	5.0	16.0	0.0	0.0	0.0	3.0	5.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48			
Paediatrics	SG	24 Partial	Yes	0.0	0.0	0.0	3.0	5.0	0.0	3.0	5.0	0.0	3.0	5.0	0.0	3.0	5.0	0.0	0.0	0.0	32			
Paediatrics	SG	24 Partial 24	Yes	3.0	5.0	0.0	3.0	5.0	16.0	0.0	0.0	0.0	3.0	5.0	0.0	3.0	5.0	0.0	24.0	0.0	72			
Paediatrics	Locum SG	Partial 24	Yes	3.0	5.0	0.0	3.0	5.0	0.0	3.0	5.0	0.0	3.0	5.0	16.0	0.0	0.0	0.0	0.0	0.0	48			
Paediatrics	Locum SG	Partial 24	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12			
Paediatrics Orthopaedic &	Locum SG	Partial On-	Yes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.0	16.0	0.0	12.0	36			
Trauma Orthopaedic &	AS	Call On-	No	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0			
Trauma Orthopaedic &	SG	Call On-	No	4.0	4.0	0.0	4.0	0.0	0.0	4.0	4.0	16.0	4.0	4.0	0.0	4.0	4.0	0.0	24.0	0.0	76			
Trauma Orthopaedic &	SG	Call On-	No	4.0	4.0	16.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	16.0	4.0	0.0	0.0	0.0	0.0	68	16.0		
Trauma Orthopaedic &	AS	Call On-	No	4.0	4.0	0.0	4.0	4.0	16.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	0.0	0.0	0.0	0.0	52			
Trauma Orthopaedic &	SG Locum	Call On-	No	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0			
Trauma	SG	Call	No	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	0.0	4.0	4.0	16.0	0.0	24.0	80			