

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

FUNCTIONAL SKILLS ASSESSMENT PILOT

LEVEL 2 FUNCTIONAL SKILLS MATHEMATICS

06925

TASK AND ANSWER BOOKLET

This assessment may be taken within these dates

7 – 11 JANUARY 2008

TIME: 1 HOUR 15 MINUTES

INSTRUCTIONS

Fill in all the boxes below. Make sure your personal details are entered correctly. Use BLOCK LETTERS

Centre name

Centre number

Your OCR candidate number

Your surname or family name

Your first forename (if any)

Your second forename (if any)

Date of birth

YOU NEED

- This task and answer booklet
- A pen with black or blue ink
- A calculator

YOU HAVE 1 HOUR AND 15 MINUTES TO COMPLETE THE 3 TASKS. YOU ARE ADVISED TO SPEND 5 MINUTES PLANNING AND 20 MINUTES WORKING ON EACH TASK.

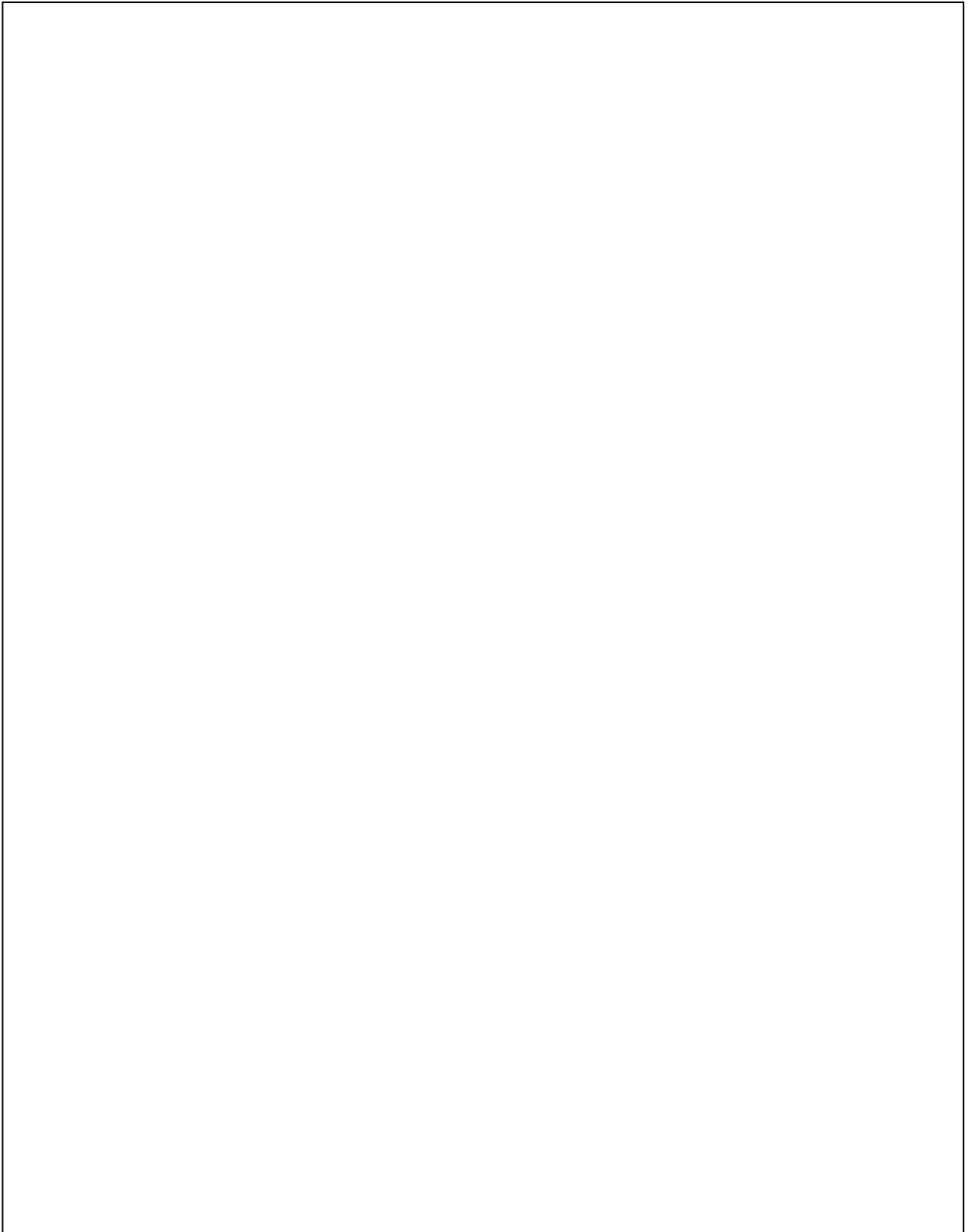
- Read the tasks inside this booklet carefully before starting
- Write your answers in this booklet
- When you have finished, hand this booklet to the supervisor

FOR EXAMINERS' USE ONLY	
Task No.	Mark
1a	/14
1b	/4
2	/18
3a	/5
3b	/10
Total	/51

TASK 1

Planning sheet

Any work on this sheet may be used to contribute to the examiner's understanding of your answer.

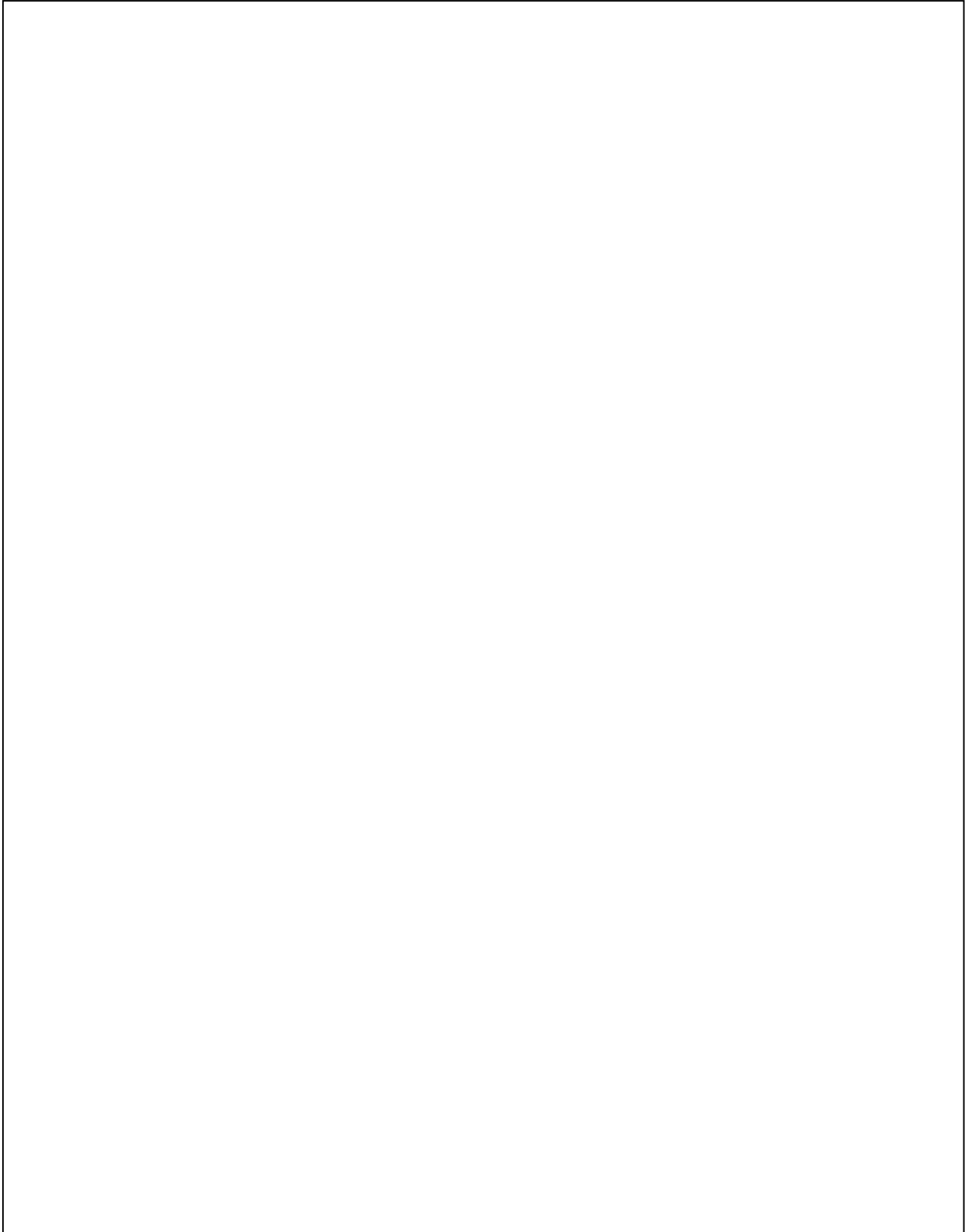
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TASK 2

Planning sheet

Any work on this sheet may be used to contribute to the examiner's understanding of your answer.

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Here are the weights of all the babies born in a maternity hospital over a 24-hour period.



Baby Number	Time of birth	Gender (F = Female) (M = Male)	Weight (kg)	Baby Number	Time of birth	Gender (F = Female) (M = Male)	Weight (kg)
1	00:05	F	3.840	23	14:07	F	3.480
2	01:04	F	3.330	24	14:33	F	3.120
3	01:18	M	3.550	25	14:46	F	3.430
4	01:55	M	3.840	26	15:14	M	3.780
5	02:57	M	3.630	27	16:31	M	3.350
6	04:05	F	2.210	28	16:57	M	3.030
7	04:07	F	1.750	29	17:42	F	2.180
8	04:22	M	2.850	30	18:07	M	3.300
9	04:31	M	3.170	31	18:25	F	2.380
10	07:08	M	3.520	32	18:54	M	3.430
11	07:35	M	3.380	33	19:09	M	4.160
12	08:12	M	3.290	34	19:47	M	3.630
13	08:14	F	2.580	35	19:49	M	3.410
14	09:09	F	3.210	36	19:51	M	3.400
15	10:35	M	3.520	37	20:10	F	3.500
16	10:49	F	3.750	38	20:37	M	3.740
17	10:53	F	3.520	39	20:51	M	3.370
18	11:33	M	2.900	40	21:04	M	2.120
19	12:09	M	2.640	41	21:23	M	3.150
20	12:56	M	3.920	42	22:17	F	3.870
21	13:05	M	3.690	43	23:27	F	3.540
22	14:06	F	3.430	44	23:55	F	3.280

In its brochure the hospital states:

- Babies tend to be born at night.
- The probability of giving birth to a baby girl is about 50%.
- Baby boys tend to be heavier than baby girls.

Does the data in the table support these statements? State clearly any assumptions you make.

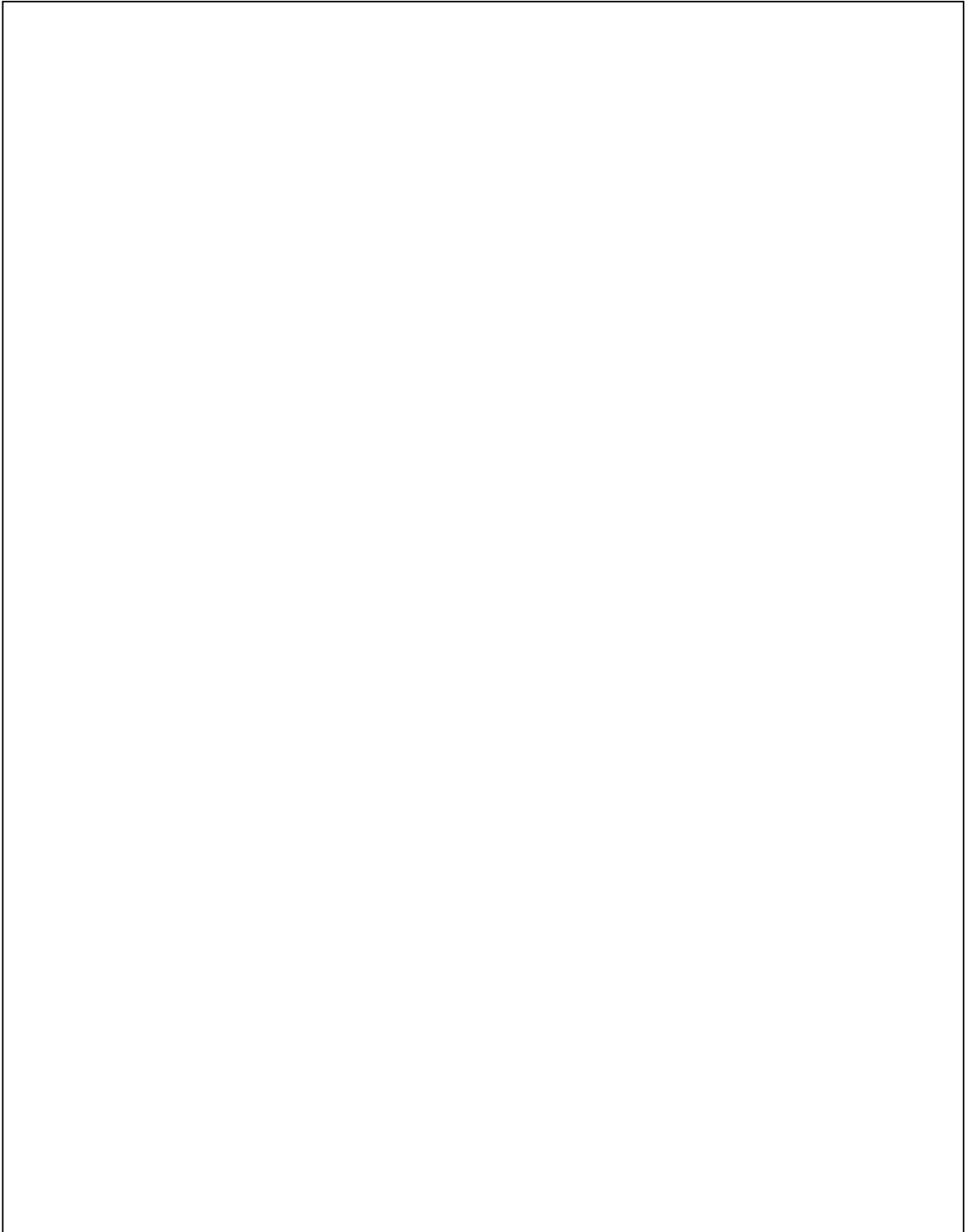
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TASK 3

Planning sheet

Any work on this sheet may be used to contribute to the examiner's understanding of your answer.

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(b)



Is the advert correct?



There are three flights each day from Inverness to Edinburgh. The times are:

DEPART	Inverness	0900	1145	1750
ARRIVE	Edinburgh	0945	1230	1835

The journey from the centre of Inverness to Inverness airport takes 30 minutes. Check in time is 30 minutes before departure. The bus runs on the hour, at quarter past the hour, at half past the hour and at quarter to the hour.

Check out time at Edinburgh airport is 20 minutes. The journey from Edinburgh airport to the centre of Edinburgh takes 35 minutes.

Inverness – Edinburgh Train Timetable

Inverness	0645	0755	0920	1051	1240	1440	1655	1827	2010
Aviemore	0722	0830	1004	1136	1323	1518	1732	1911	2055
Kingussie	0736	0843	1016	1148	1336	1530	1744	1930	2107
Pitlochry	0816	0924	1104	1230	1415	1614	1833	2017	2158
Perth	0847	0955	1136	1302	1447	1643	1906	2049	2225
Haymarket	0956	1114	1324	1417	1559	1807	2027	2202	2357
Edinburgh	1002	1121	1329	1422	1605	1811	2032	2209	0003

The train station in both Inverness and Edinburgh is in the centre of the town.



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Acknowledgements:

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