# Изпит по "Основи на програмирането"

## Задача 6. Баскетболни турнири

Деси и отборът ѝ по баскетбол участват в турнири всеки месец, като всеки турнир се състои от определен брой мачове. Всеки мач има краен резултат, на базата на който се определя победителят. Отборът, вкарал повече точки, се смята за победител. Помогнете на Деси да направи статистика за турнирите, в които участва с отбора си. Като вход ще получавате имена на турнири до получаване на команда "End of tournaments". За всеки турнир ще получавате цяло число, което ще показва броя на мачовете, които се играят за турнир. За всеки мач ще получавате: на първия ред точките, които е вкарал отборът на Деси, а на втория ред - точките, които е вкарал противниковият отбор. След получаване на точките за всеки мач отпечатайте:

- Ако отборът на Деси е спечелил (т.е. точките, които е вкарал нейният отбор, са повече от точките на противниковия отбор): "Game {кой е номерът на мача, който са изиграли за текущия турнир} of tournament {име на турнира}: win with {разликата между точките на отбора на Деси и противниковия отбор} points."
- **Ако отборът на Деси е загубил** (т.е. точките, които е вкарал нейният отбор, са **по-малко** от точките, които е вкарал противниковият отбор): "Game {кой е номерът на мача, който са изиграли за текущия турнир} of tournament {име на турнира}: lost with {разликата между точките на противниковия отбор и отбора на Деси} points."

Няма да има случаи на равенство.

### Вход

От конзолата се четат поредица от турнири до получаване на командата "End of tournaments":

- Име на турнира текст
- За всеки турнир n на брой мача цяло число в интервала [1...15]
- За всеки мач се четат по два реда:
  - Точки, вкарани от отбора на Деси цяло число в интервала от [0...150]
  - Точки, вкарани от противниковия отбор цяло число в интервала от [0...150]

#### Изход

На конзолата да се отпечатат следните редове:

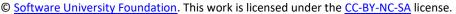
- След всеки мач да се отпечатва дали отборът на Деси е спечелил или загубил и съответно с каква разлика.
- При получаване на команда "End of tournaments" да се отпечатат два реда:
  - {процент спечелени мачове от всички турнири}% matches win
  - {процент загубени мачове от всички турнири}% matches lost

Всички проценти трябва да са форматирани до втората цифра след десетичния знак.

### Примерен вход и изход

Вход	Изход	Обяснения
Dunkers	Game 1 of tournament Dunkers: win with	Първият турнир е: Dunkers -> 2 мача
2	10 points.	Първият мач е с резултат: 75 на 65
75	Game 2 of tournament Dunkers: lost with	-> победа с разлика: 75 — 65 = <b>10</b>
65	17 points.	Вторият мач е с резултат: 56 на 73
56		-> <mark>загуба</mark> с разлика: 73 – <mark>56</mark> = <mark>17</mark>













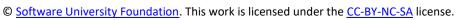


Fire Girls         with 33 points.         Първият маче с резултат: 67 на 34           3         Game 2 of tournament Fire Girls: lost with 15 points.         Auth 15 points.         Bame 3 of tournament Fire Girls: win with 21 points.         Bame 3 of tournament Fire Girls: win with 21 points.         Bame 3 of tournament Fire Girls: win with 32 points.         Ballers         Ballers         Game 1 of tournament Ballers: win with 33 points.         Ballers         Game 1 of tournament Ballers: win with 34 points.         Game 2 of tournament Ballers: lost with 49 points.         Ballers: win with 39 points.         Game 2 of tournament Ballers: win with 30 points.         Game 3 of tournament Ballers: win with 30 points.         Ballers: win with 30 points.         Game 3 of tournament Sharks: lost with 40 points.         Ballers: win with 40 p			
3 Game 2 of tournament Fire Girls: lost with 15 points. 34 Game 3 of tournament Fire Girls: win with 21 points. 85 Game 3 of tournament Fire Girls: win with 21 points. 86 Game 3 of tournament Fire Girls: win with 21 points. 86 Game 3 of tournament Gallers: win with 24 points. 87 Game 1 of tournament Ballers: win with 3 24 points. 88 Game 2 of tournament Ballers: lost with 4 9 points. 89 Game 3 of tournament Ballers: win with 11 points. 80 Game 3 of tournament Ballers: win with 12 points. 81 Game 1 of tournament Ballers: win with 13 points. 82 Game 1 of tournament Sharks: lost with 14 points. 85 Game 3 of tournament Sharks: lost with 15 game 2 of tournament Sharks: lost with 16 game 3 of tournament Sharks: lost with 17 points. 86 Game 3 of tournament Sharks: lost with 31 points. 86 Game 4 of tournament Sharks: lost with 33 points. 87 Game 4 of tournament Sharks: lost with 34 points. 88 Game 4 of tournament Sharks: lost with 37 points. 89 Game 5 of tournament Sharks: lost with 38 points. 89 Game 6 of tournament Sharks: lost with 39 points. 80 Game 7 of tournament Sharks: lost with 30 points. 80 Game 8 of tournament Sharks: lost with 31 points. 81 Game 9 of tournament Sharks: lost with 32 points. 82 Game 4 of tournament Sharks: lost with 33 points. 84 Game 5 of tournament Sharks: lost with 34 points. 85 Game 6 of tournament Sharks: lost with 38 points. 86 Game 7 of tournament Sharks: lost with 39 points.	73	Game 1 of tournament Fire Girls: win	Вторият турнир e: Fire Girls -> 3 мача
67 with 15 points.  34 Game 3 of tournament Fire Girls: win  83 with 21 points.  60.00% matches win  66 40.00% matches lost  86 dame 1 of tournament Ballers: win with  3 24 points.  87 Game 2 of tournament Ballers: win with  63 9 points.  66 Game 3 of tournament Ballers: win with  75 Game 2 of tournament Ballers: win with  86 Game 3 of tournament Ballers: win with  87 Game 2 of tournament Ballers: win with  88 Game 2 of tournament Ballers: win with  89 points.  80 Game 1 of tournament Ballers: win with  80 game 3 of tournament Sharks: lost with  81 points.  82 Game 1 of tournament Sharks: lost with  83 game 1 of tournament Sharks: lost with  84 game 3 of tournament Sharks: lost with  85 game 4 of tournament Sharks: lost with  86 game 3 points.  87 Game 4 of tournament Sharks: lost with  88 game 3 of tournament Sharks: lost with  89 game 4 of tournament Sharks: lost with  80 game 4 of tournament Sharks: lost with  80 game 5 of tournament Sharks: lost with  81 game 6 game 7		•	Първият мач е с резултат: 67 на 34
34 Game 3 of tournament Fire Girls: win with 21 points. 98 60.00% matches win 40.00% matches lost  Ballers Game 1 of tournament Ballers: win with 24 points. 87 Game 2 of tournament Ballers: lost with 11 points. 66 Game 3 of tournament Ballers: win with 12 points. 66 Game 3 of tournament Ballers: win with 12 points. 66 Game 3 of tournament Ballers: win with 12 points. 66 Game 3 of tournament Sharks: lost with 12 points. 66 Game 4 of tournament Sharks: lost with 4 21 points. 66 Game 3 of tournament Sharks: lost with 4 21 points. 66 Game 4 of tournament Sharks: lost with 31 points. 67 Game 4 of tournament Sharks: lost with 33 points. 68 Game 4 of tournament Sharks: lost with 33 points. 68 Came 5 of tournament Sharks: lost with 34 points. 69 Game 6 of tournament Sharks: lost with 35 points. 60 Game 7 of tournament Sharks: lost with 36 points. 60 Game 7 of tournament Sharks: lost with 37 points. 61 Game 8 of tournament Sharks: lost with 18 points. 62 Game 9 of tournament Sharks: lost with 19 points. 63 Game 1 of tournament Sharks: lost with 19 points. 64 Game 3 of tournament Sharks: lost with 19 points. 65 Game 4 of tournament Sharks: lost with 19 points. 66 Game 7 of tournament Sharks: lost with 19 points. 67 Game 9 of tournament Sharks: lost with 19 points. 68 Came 9 of tournament Sharks: lost with 19 points. 69 Game 1 of tournament Sharks: lost with 19 points.			-> победа с разлика: 67 – <mark>34</mark> = 33
83 with 21 points. 60.00% matches win 40.00% matches lost  61		·	Вторият мач е с резултат: 83 на 98
98 60.00% matches win			-> <mark>загуба</mark> с разлика: <mark>98</mark> – 83 = 15
40.00% matches lost  45.50% mayobae: 5  45.50% mayobae: 10.00% mayobae		•	Третият мач е с резултат: <mark>66</mark> на <mark>45</mark>
## Parameter   Section 2   Se			-> победа с разлика: <mark>66</mark> – 45 = 21
End of tournaments  Game 1 of tournament Ballers: win with 3 24 points.  Game 2 of tournament Ballers: win with 63 9 points.  Game 3 of tournament Ballers: win with 65 11 points.  Game 1 of tournament Sharks: lost with 64 12 points.  Sharks Game 2 of tournament Sharks: lost with 4 21 points.  Game 3 of tournament Sharks: lost with 5 64 Game 3 of tournament Sharks: lost with 65 Sharks Game 4 of tournament Sharks: lost with 66 Sharks Game 5 of tournament Sharks: lost with 67 Sharks Game 6 Sharks: lost with 68 Sharks Game 7 of tournament Sharks: lost with 69 Sharks: lost with 69 Sharks: lost with 69 Sharks: lost with 69 Sharks: lost with 60 Sharks: lost w		40.00% matches lost	Край на турнирите!
End of tournaments  Ballers  Game 1 of tournament Ballers: win with  24 points.  87 Game 2 of tournament Ballers: lost with  63 9 points.  56 Game 3 of tournament Ballers: win with  11 points.  75 Game 1 of tournament Sharks: lost with  12 points.  Sharks  Game 2 of tournament Sharks: lost with  21 points.  64 Game 3 of tournament Sharks: lost with  76 31 points.  65 Game 4 of tournament Sharks: lost with  86 33 points.  68 28.57% matches win  99 71.43% matches lost  45 78  End of			1
Ballers  Game 1 of tournament Ballers: win with  24 points.  87 Game 2 of tournament Ballers: lost with  9 points.  63 Game 3 of tournament Ballers: win with  11 points.  75 Game 1 of tournament Sharks: lost with  12 points.  Sharks  Game 2 of tournament Sharks: lost with  12 points.  64 Game 3 of tournament Sharks: lost with  4 21 points.  64 Game 3 of tournament Sharks: lost with  76 31 points.  65 Game 4 of tournament Sharks: lost with  86 33 points.  68 28.57% matches win  99 71.43% matches lost  45  78  End of	End of		1
Ballers Game 1 of tournament Ballers: win with 3 24 points. 87 Game 2 of tournament Ballers: lost with 63 9 points. 56 Game 3 of tournament Ballers: win with 65 11 points. 75 Game 1 of tournament Sharks: lost with 64 12 points. Sharks Game 2 of tournament Sharks: lost with 4 21 points. 64 Game 3 of tournament Sharks: lost with 76 31 points. 65 Game 4 of tournament Sharks: lost with 86 33 points. 68 28.57% matches win 99 71.43% matches lost 45 78 End of	tournaments		1
24 points.  63 Game 2 of tournament Ballers: lost with 63 9 points.  64 12 points.  65 Game 1 of tournament Sharks: lost with 65 12 points.  66 Game 2 of tournament Sharks: lost with 67 Game 2 of tournament Sharks: lost with 68 Game 3 of tournament Sharks: lost with 69 Game 4 of tournament Sharks: lost with 60 Sharks 61 Game 4 of tournament Sharks: lost with 62 Game 4 of tournament Sharks: lost with 63 Game 4 of tournament Sharks: lost with 64 Game 3 points. 65 Game 4 of tournament Sharks: lost with 66 Game 4 of tournament Sharks: lost with 67 Game 4 of tournament Sharks: lost with 68 Game 4 of tournament Sharks: lost with 69 T1.43% matches lost 60 Game 4 of tournament Sharks: lost with 61 Game 5 Game 6 Gam	Ballers	Game 1 of tournament Ballers: win with	, ,
9 points.  63 9 points.  64 12 points.  64 64 64 64 64 64 64 64 64 65 65 65 66 66 66 66 66 66 66 66 66 66	3	24 points.	
Game 3 of tournament Ballers: win with 11 points. Game 1 of tournament Sharks: lost with 12 points. Sharks Game 2 of tournament Sharks: lost with 21 points. Game 3 of tournament Sharks: lost with 31 points. Game 4 of tournament Sharks: lost with 33 points. Game 4 of tournament Sharks: lost with 36 33 points. 28.57% matches win 71.43% matches lost 45 78 End of	87	Game 2 of tournament Ballers: lost with	
Game 3 of tournament Ballers: win with 11 points. Game 1 of tournament Sharks: lost with 12 points. Sharks Game 2 of tournament Sharks: lost with 21 points. Game 3 of tournament Sharks: lost with 31 points. Game 4 of tournament Sharks: lost with 33 points. Game 4 of tournament Sharks: lost with 36 33 points. 88 28.57% matches win 99 71.43% matches lost 45 78 End of	63	9 points.	
Game 1 of tournament Sharks: lost with 12 points. Sharks Game 2 of tournament Sharks: lost with 21 points. Game 3 of tournament Sharks: lost with 31 points. Game 4 of tournament Sharks: lost with 33 points. 64 Same 4 of tournament Sharks: lost with 75 76 78 End of	56	1 .	
12 points. Sharks Game 2 of tournament Sharks: lost with 21 points. Game 3 of tournament Sharks: lost with 31 points. Game 4 of tournament Sharks: lost with 33 points. Game 4 of tournament Sharks: lost with 36 33 points. 28.57% matches win 71.43% matches lost 45 78 End of	65	11 points.	
Sharks Game 2 of tournament Sharks: lost with 21 points. Game 3 of tournament Sharks: lost with 31 points. Game 4 of tournament Sharks: lost with 33 points. End of	75	Game 1 of tournament Sharks: lost with	
21 points.  Game 3 of tournament Sharks: lost with  31 points.  Game 4 of tournament Sharks: lost with  33 points.  88 28.57% matches win  71.43% matches lost  End of	64	12 points.	
Game 3 of tournament Sharks: lost with 31 points. Game 4 of tournament Sharks: lost with 33 points. 28.57% matches win 71.43% matches lost End of	Sharks	Game 2 of tournament Sharks: lost with	
31 points. Game 4 of tournament Sharks: lost with 33 points. 88 28.57% matches win 71.43% matches lost 45 78 End of	4	21 points.	
Game 4 of tournament Sharks: lost with 33 points. 28.57% matches win 71.43% matches lost 45 78 End of	64	Game 3 of tournament Sharks: lost with	
86 33 points. 28.57% matches win 99 71.43% matches lost 45 78 End of	76	31 points.	
68 28.57% matches win 99 71.43% matches lost 45 78 End of	65	Game 4 of tournament Sharks: lost with	
99 71.43% matches lost 45 78 End of	86	33 points.	
45 78 End of	68	28.57% matches win	
78 End of	99	71.43% matches lost	
End of	45		
	78		
tournaments	End of		
	tournaments		

# JavaScript - Примерен вход и изход

Вход	Изход	Обяснения
(["Dunkers",	Game 1 of tournament Dunkers: win with	Първият турнир е: Dunkers -> 2 мача
"2",	10 points.	Първият мач е с резултат: 75 на 65
"75",	Game 2 of tournament Dunkers: lost with	-> победа с разлика: 75 – 65 = <mark>10</mark>
"65",	17 points.	Вторият мач е с резултат: <mark>56</mark> на 73
"56",	Game 1 of tournament Fire Girls: win	-> <mark>загуба</mark> с разлика: 73 — <mark>56 = 17</mark>
"73",	with 33 points.	Вторият турнир e: Fire Girls -> 3 мача
"Fire Girls",	Game 2 of tournament Fire Girls: lost	Първият мач е с резултат: 67 на 34
"3",	with 15 points.	-> победа с разлика: 67 – <mark>34</mark> = 33
"67",	Game 3 of tournament Fire Girls: win	Вторият мач е с резултат: 83 на 98
"34",	with 21 points.	-> <mark>загуба</mark> с разлика: 98 – 83 = 15
"83",	60.00% matches win	Третият мач е с резултат: 66 на 45
"98",	40.00% matches lost	Tpermit mail e e pesyman. do na 45

















"66",		-> победа с разлика: <mark>66 – 45</mark> = 21
"45",		Край на турнирите!
"End of		Общ брой мачове: 5
tournaments"])		Брой победи: 3 -> 3 / 5 * 100 = 60%
		Брой загуби: <mark>2 -&gt; 2 / 5 * 100 = 40</mark> %
(["Ballers",	Game 1 of tournament Ballers: win with	
"3",	24 points.	
"87",	Game 2 of tournament Ballers: lost with	
<b>"</b> 63 <b>"</b> ,	9 points.	
"56",	Game 3 of tournament Ballers: win with	
"65",	11 points.	
<b>"</b> 75 <b>"</b> ,	Game 1 of tournament Sharks: lost with	
"64",	12 points.	
"Sharks",	Game 2 of tournament Sharks: lost with	
"4",	21 points.	
"64",	Game 3 of tournament Sharks: lost with	
"76",	31 points.	
"65",	Game 4 of tournament Sharks: lost with	
"86",	33 points.	
"68",	28.57% matches win	
"99",	71.43% matches lost	
"45",		
"78",		
"End of		
tournaments"])		













