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	2.4	
3. /	3.1 /	Java Java C B Hadoop
	3.2	Hadoop
	3.3	
	3.4	Web /
4.	4.1	
	4.2	Web
	4.3	Hadoop
	4.4	Hadoop

5.	5.1	
	5.2	
	5.3	Hadoop
6.	6.1	
	6.2	
7.	7.1	
	7.2	
	7.3	
8.	8.1	

2023

		160844M003			2	32	32				
		101099M001	I		1	32	32				
		100925M001	I		4	64	64				
		100616M016	A I		6	96	96				
		100514C065	C B		4	64	48	16			
		100844M002			2	32	32				
		160844M009			1	16	16				
		101099M002	II		1	32	32				
		100616M017	A II		6	96	96				
		100627M011	C I		3	48	48				
		161200X008			1	16	16				
		160844M005			2	32	32				
		101099M003	III		1	32	32				
		100616M003			3	48	48				
		100627M012	C II		3	48	48				
		160844M008			2	32	32				
		160844M007			2	32	32				
		101099M004	IV		1	32	32				
		100616M004			3.5	56	56				
		160723T005			2	32	32				
		100844X015			2	64	64				
		161200X011			1	16	16				1
		161200X012			1	16	16				
											2
											2
											2
		II									3
											2

		160527T043			1	16	16				21	
		160527C040	Ja a		3	48	32	16				
		160527C044			3	48	32	16				
		160527C045			3	48	32	16				
		160527T044			3	48	48					
		160527C004			3	48	40	8				
		160527T045			2	32	32					
		160527C005			3	48	40	8				
		160527T017			2	32	32				9	
		160527T022			2	32	32					
		160527T046			3	48	48					
		160527C055			2	32	24	8				
			160527C046			2	32	16	16			7
			160527C042			3	48	32	16			
160527C056			Ha		2	32	24	8				
		160514T002			2	32	24	8			8	
		160514C029	C++		2	32	16	16				
		160514C001	P		2	32	16	16				
		160527C057			2	32	24	8				
		160527C041	W		3	48	32	16				
		160527C060			2	32	32					
		100514T024			2	32		32				
		160527T037			2	32	32					
		160527C058	Ja a EE		3	48	32	16				
		160527C043			2	32	24	8				
		160527C053			2	32		32				
		160527T050			2	32	32					
		160527T024			3	48	48					
		160527E003			2	32	24		8			
		160527C033			2	32	32					
		160527C030			3	48	40	8				
160527C037			3	48	32	16						
160527T047			2	32	32							

		160844X002			1	16			16		7
		100844X016			1	16			16		
		160844X008			2	38			38		
		160844X004			1	16			16		
		160844X007			1	16			16		
		160844X006			1	16			16		
		160527P001			1	16		16			29
		160527P011			1	16			16		
		160527P012			3	3			3		
		160527P025			2	32		32			
		160527P013	W		3	3			3		
		160527P023			4	4			4		
		160527P020			6	6			6		
		160527P024			6	6			6		
		160527P021			8	16			16		
		160527P026			1	1			1		
		101500X002			0	1	1				10
		161200X005			2	36	36				
		161200X004			2	2			2		
		161200X007			2	32	24		8		
		161300X001			0.5	12	12				
		101300X003			0.5	12	12				
		101200X006			2	2			2		
		161200X009			1	2			2		
		161200X006			0	38	32		6		
		161099X001			0	16	16				

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3. ICPC +

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