



Second Annual Programming Contest

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Task: A distributed query engine

- ▶ Data **distributed** over 8 identical nodes (PC cluster)
- ▶ **In-memory index** provided, based on the winning implementation of last year's contest
- ▶ Simple **select-project-join** SQL queries, with value equalities and range queries
- ▶ A collection of 8 (secret) workloads, with and without distribution:
 - ▶ Up to 150,000 queries per workload
 - ▶ Up to 1,000,000 tuples per node
 - ▶ 5 to 10 min allocated per workload
- ▶ The **fastest** implementation wins the competition

See <http://dbweb.enst.fr/events/sigmod10contest/> for details.

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The advisory board:

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Contestants: 29 teams over the world



5 finalist teams

	bugboys	KAUST	Karim Awara Guoda Chen Yasser Ebrahim Eyad Al-Sibai
	cardinality	Stanford U.	Hyunjung Park
	dbis	TU Kaiserslautern	Volker Hudlet Daniel Schall
	insa	INSA Lyon	Brice Arnould Vlad Georgescu Horia Iancu Andrei Teodorescu
	spbu	Saint-Petersburg U.	George Chernishev Kirill Smirnov

And the winner is. . .

And the winner is...



Hyunjung Park (team cardinality)
Stanford University

Awards:

- ▶ \$5,000
- ▶ An invitation to Paris (INRIA Saclay & Télécom ParisTech)

Final scoreboard (lower is better):

1	cardinality	88	(3min 18s)
2	dbis	98	(5min 45s)
3	spbu	108	(>12min 17s)
4	insa	119	(>22min 20s)
5	bugboys	142	(>30min 19s)
Naïve implementation		207	(>45min 31s)

$$score = \sum_{i=1}^8 \log_2(t_i)$$

See <http://dbweb.enst.fr/events/sigmod10contest/results/> for details.