

# ACM-ICPC Japanese Alumni Group

Yasuharu HIRASAWA

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# Self Introduction

- **Yasuharu Hirasawa**
  - An master course student
    - Graduate School of Informatics, Kyoto Univ.

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- **My ICPC history**

- 2006: team ku.HAK → eliminated in domestic prelim.
- 2007: team D3SxP → advanced to Asia regional (luckily)
- 2008: team d3sxp → advanced to Asia regional
- 2009,10: team d3sxp → advanced to World finals
- 2011: team Flat35 (as a coach) / a member of J.A.G.

# Agenda

1. Introduction of our group
2. Our activities
3. Difficulties we are facing
4. Changes in the year
5. Summary

# 1-1. What's Japanese Alumni Group?

- **A voluntary group**
  - Consists of the past contestants of ACM-ICPC
  - Some of us have participated in World Finals
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- **Founded in July 2004**
  - <http://acm-icpc.aitea.net/>

# 1-1. What's Japanese Alumni Group?

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  - Consists of the past contestants of ACM-ICPC
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  - "J.A.G." for short
- **Founded in July 2004**
  - <http://acm-icpc.aitea.net/>
- **Help contestants in various ways**

# 1-2. Our goal

- **Build a community for contestants**
  - Organize summer (winter) camp



# 1-2. Our goal

- **Build a community for contestants**
  - Organize summer (winter) camp

and also

- **Make contestants win gorgeous medals**
  - In Regional Contests and World Finals
- **Train inexperienced contestants**
  - Host practice contests
- **Propagate ACM-ICPC in Japan**

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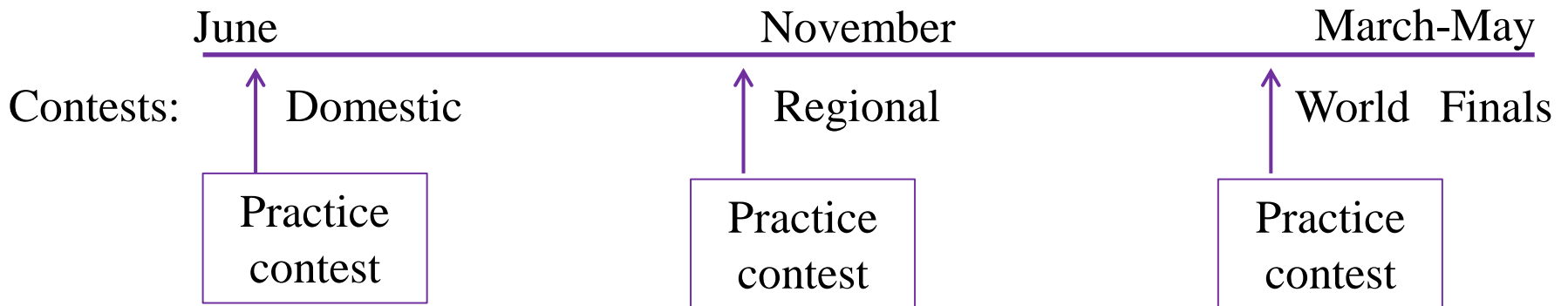
# 2-1. Our annual schedule

- **ICPC year** (in Japan)

	<u>June</u>	<u>November</u>	<u>March-May</u>
Contests:	Domestic	Regional	World Finals

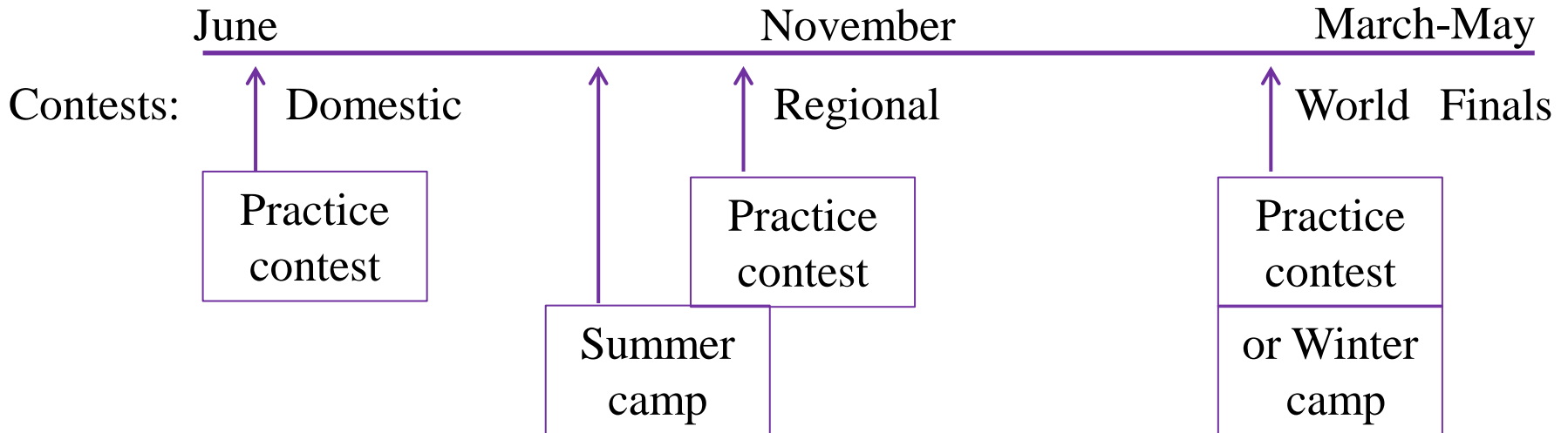
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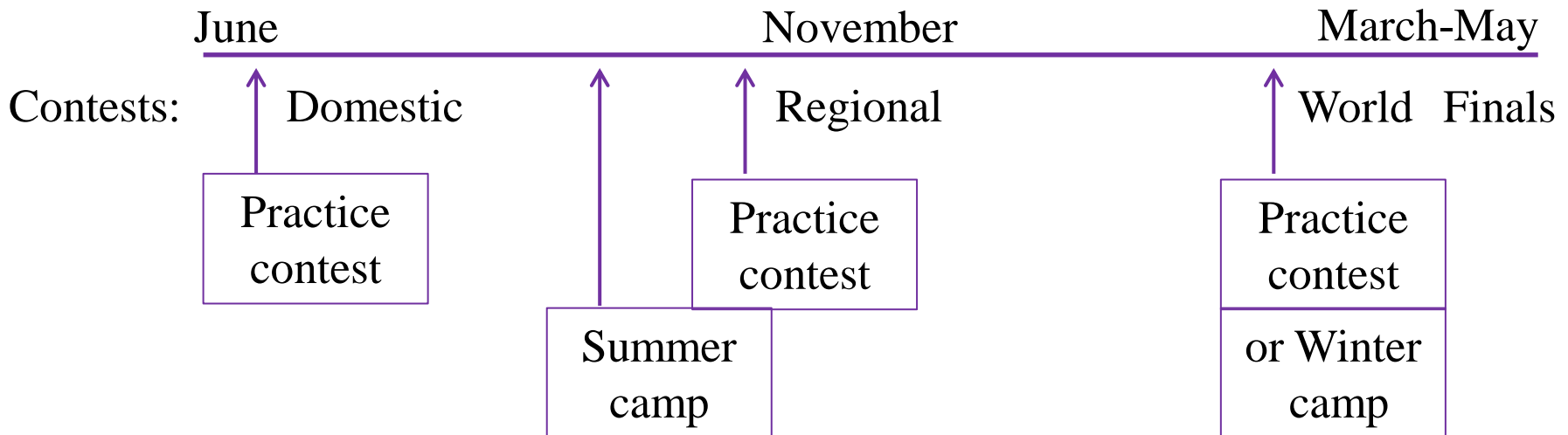
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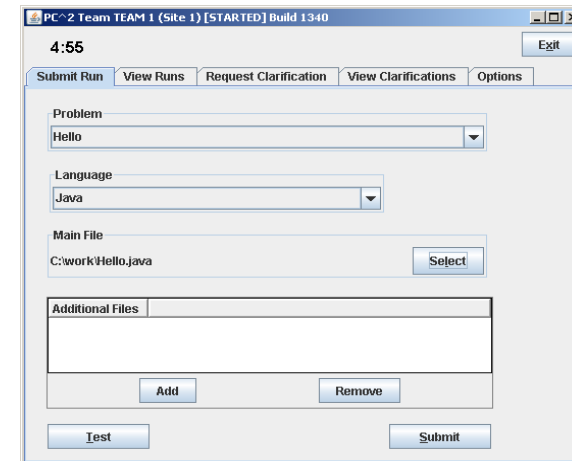
## ● ICPC year (in Japan)



- Contests: 30-100 teams participate on-/off- line
- Summer Camp: 3-4 days with top 10-15 teams
  - Problems are open to public and other teams can participate

# 2-2. Practice contests

- **Make the contestants**
  - Get used to the contest system
  - Get used to the problems
    - Especially for the domestic preliminary
  - Stronger



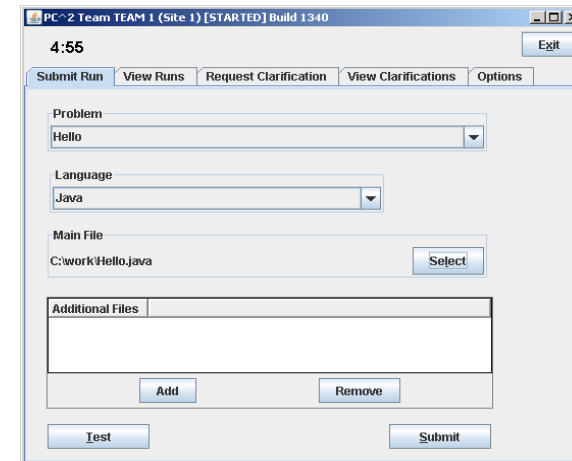
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- **Target of the practice contests**

- Domestic:
  - From newbie to the top teams
- Regional contest & World finals
  - Main target: Teams advanced to the contests
  - Second target: Well-motivated teams for the next year's





## 2-3. Summer/winter camp

- **Make the contestants**
  - Become friends with other contestants
  - Much stronger

# 2-3. Summer/winter camp

- **Make the contestants**
  - Become friends with other contestants
  - Much stronger
- **A day in the camp**
  - 10:00 Practice contest
  - 15:00 Free solving session
  - 18:00 Dinner
  - 19:00 Commentary
  - 20:30 Free time
    - Contestants start talking, playing, etc.



# 2-4. Commentary

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  - Essence of the problems
    - “Essentially this is a bi-partite graph ...” etc.

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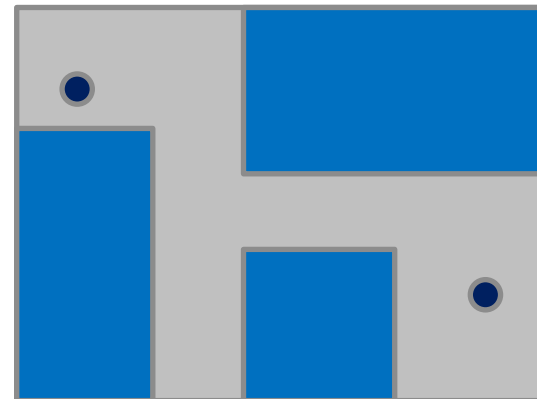
- Test cases

- Corner cases
- Funny inputs

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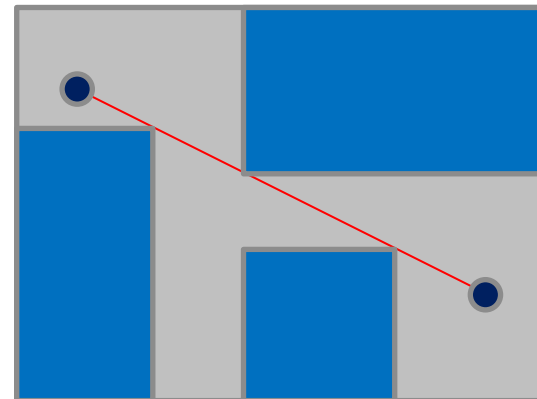


Example of corner case

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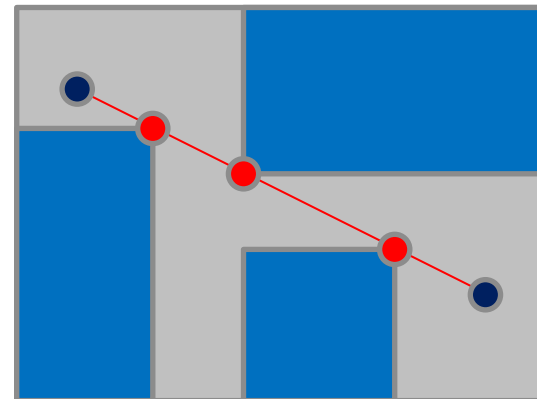


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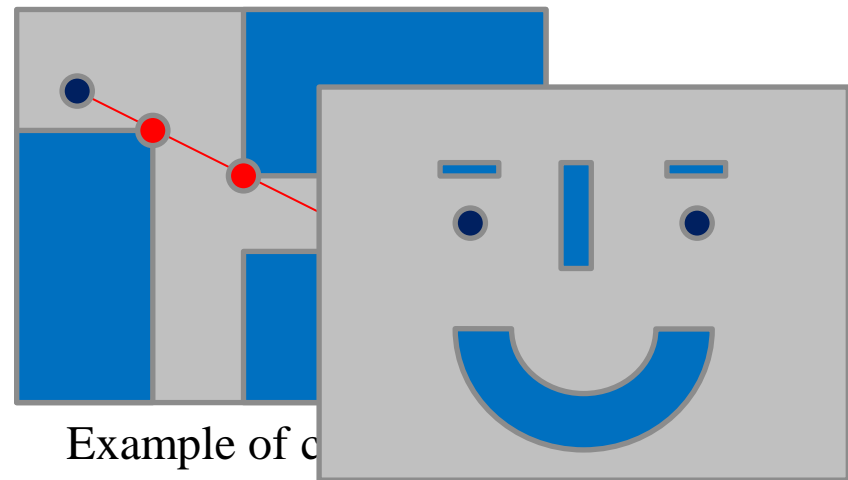
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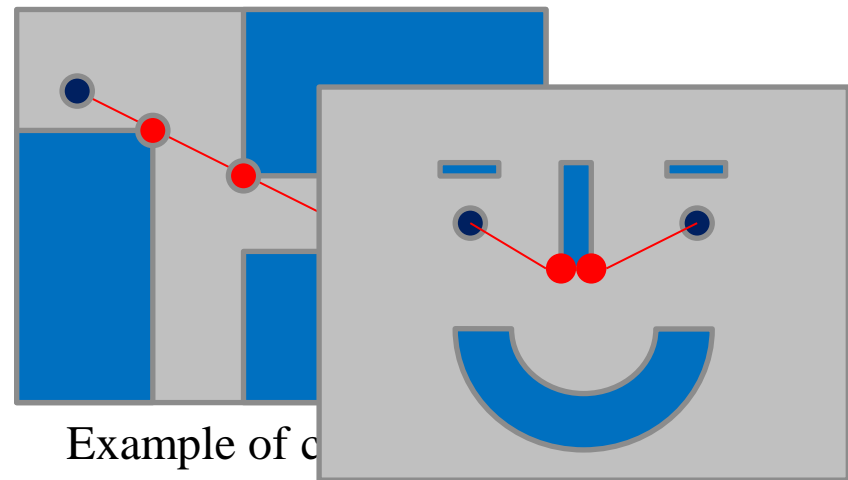
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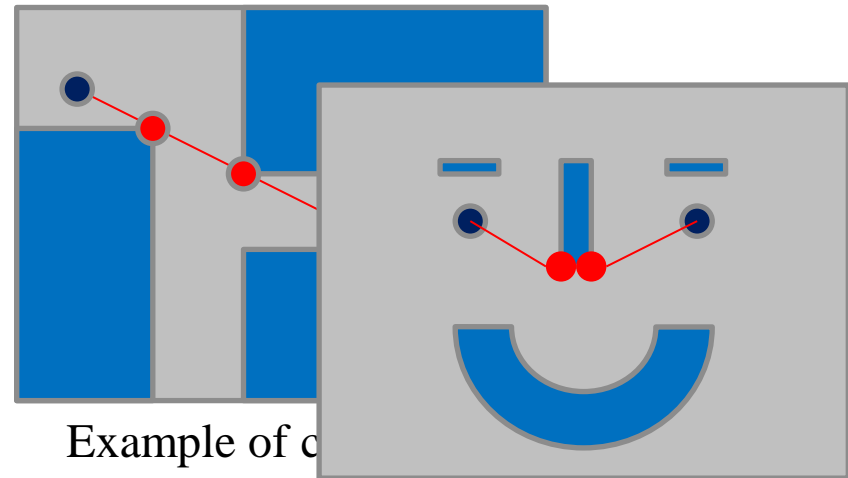
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- Algorithms
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  - Submitted algorithms
- Test cases
  - Corner cases
  - Funny inputs
- First accepted team



Example of funny input

# 2-5. Results in World Finals

## ● We don't have so good results in World Finals...

- 2011: U of Tokyo 27<sup>th</sup> / Kyoto U: 27<sup>th</sup>
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- **Just a little for medals, but ...**

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4. Changes in the year
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# 3. Difficulties we are facing

- **Hunger for newcomers**
  - Only a few universities have ICPC community
- **Shortage of human resources**
  - Now many of us work for companies
- **Shortage of Money**
  - On-site (contests and camps) usually costs ...

# 3-1. Hunger for newcomers

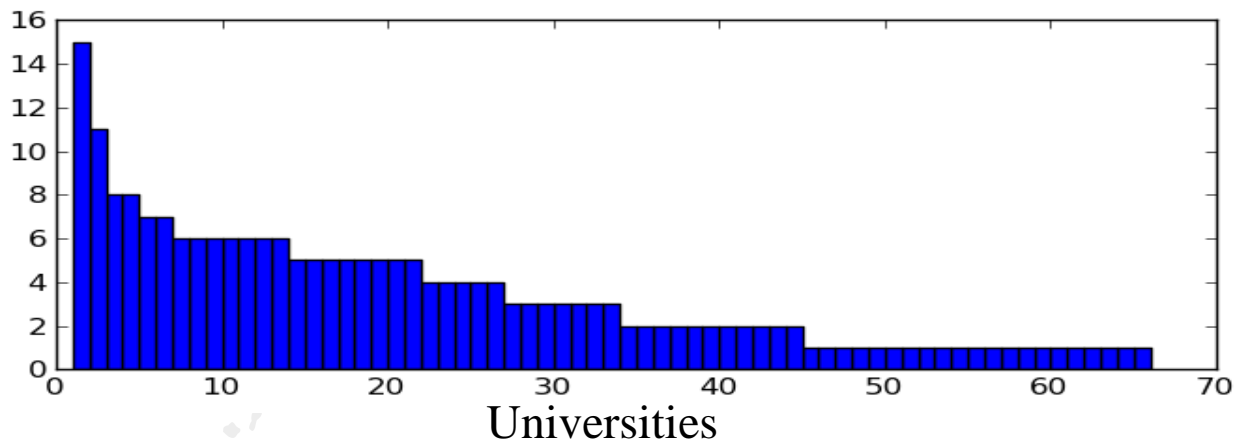
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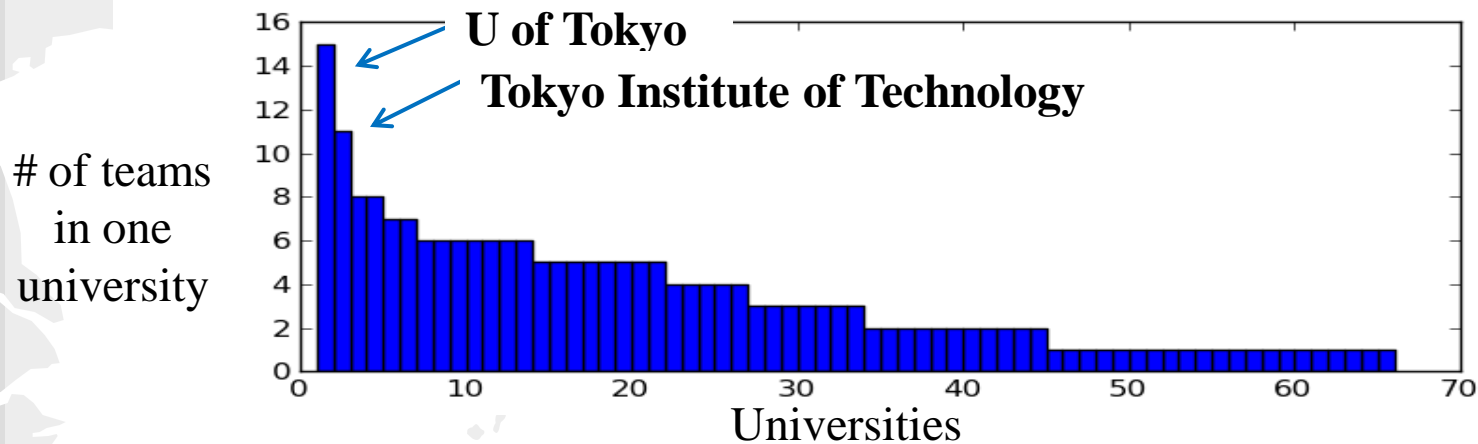
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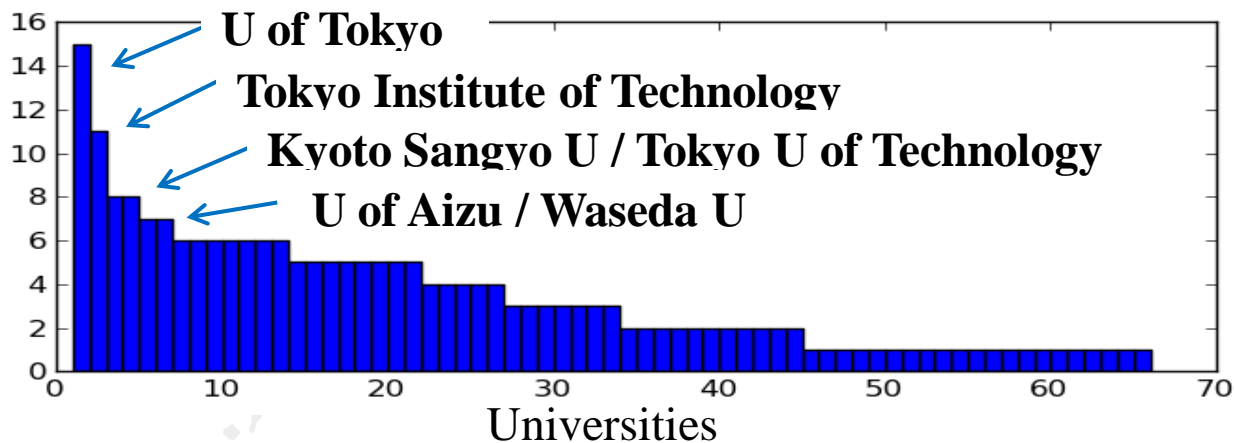
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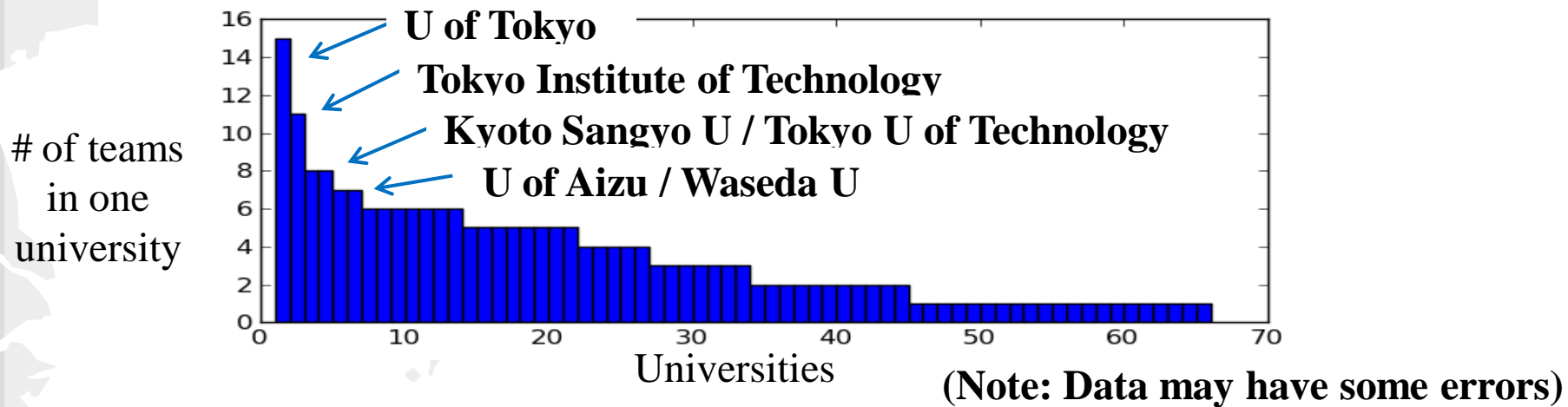
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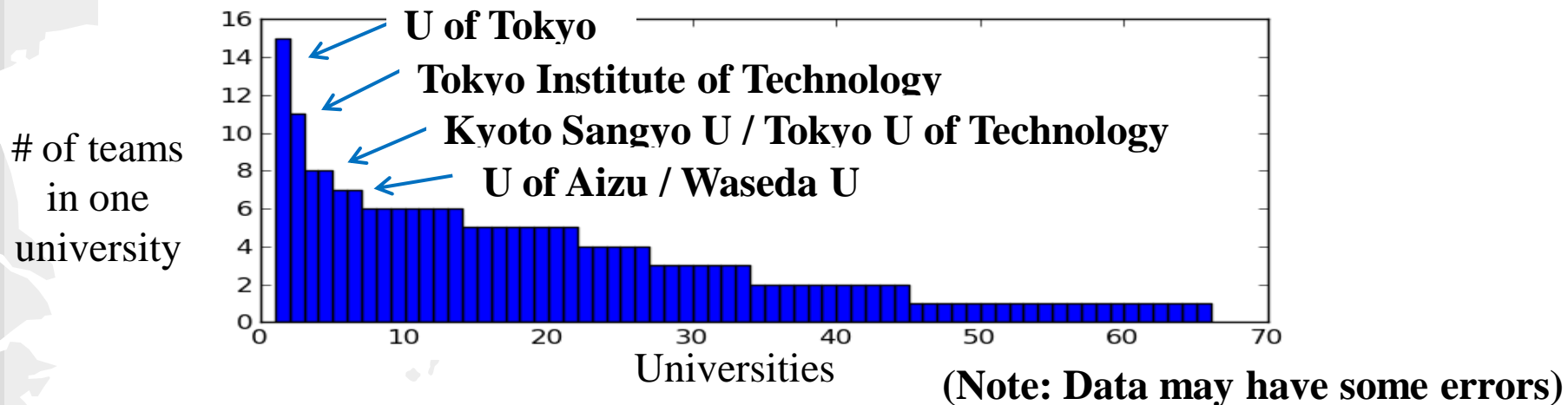
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- **750+ universities in Japan**
  - # of universities & teams
  - ➔ increase popularity & # of slots to WF

# 3-2. Shortage of human resources

- **Now we are**
  - Master course students and employees
  - And other inactive members
    - Almost all of them are busy
    - doctor course students / employees

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- **Now we are**

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- **Join us !**

- Everything needed is only your motivation !
- Link to the submit form is in our website !

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- **We use it for**
  - Accommodation fee (aids) for the camps
  - Papers, inks, and other desk equipments
- **But we want to do many more things ...**
  - Do you have any idea to save costs?

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  - Now we are using AOJ(Aizu U)・atcoder
- **On-site at mixi Tokyo office**
  - We rent network, printers, and rooms etc.

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# 5. Summary

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# 5. Summary

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- **JAG is facing some problems**
  - Let us know if you have ideas

# 5. Summary

- **JAG is a voluntary group to**
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  - Make contestants win gorgeous medals
  - Train inexperienced contestants
  - Propagate ACM-ICPC in Japan
- **JAG is facing some problems**
  - Let us know if you have ideas
- **Let's make the ICPC community bigger !**

# Thank you for listening

## ● ICPC Japanese Alumni Group

– <http://acm-icpc.aitea.net/>

**ACM-ICPC OB/OG の会**

世界最大規模のプログラミングコンテスト「ACM-ICPC」に参加し、涙を流してきたかつての猛者たちが、後に続く現役選手達に自分たちを超える成果をあげてもらおう! という目標の下に集まってできた集団です。  
現在の目標は競技プログラミング界全体の活性化!

[【トップ】](#) [【一覧】](#) [【単語検索】](#) [【最終更新】](#) [【ヘルプ】](#)
[【ログイン】](#)

<p><b>全般</b></p> <ul style="list-style-type: none"> <li>● ACM-ICPC とは</li> <li>● OB/OG の会とは</li> <li>● スタッフの紹介</li> <li>● スタッフ</li> <li>● ML</li> <li>● 導入のページ</li> </ul> <p><b>リンク</b></p> <ul style="list-style-type: none"> <li>● icpc home</li> <li>● 今年の地区大会</li> </ul> <p><b>2011年度</b></p> <ul style="list-style-type: none"> <li>● 模擬地区予選 <ul style="list-style-type: none"> <li>○ 案内</li> <li>○ 登録チーム一覧</li> <li>○ 結果</li> </ul> </li> <li>● 選評/入出力 <ul style="list-style-type: none"> <li>○ 選評</li> <li>○ 順位</li> </ul> </li> <li>● 委員会 <ul style="list-style-type: none"> <li>○ 案内</li> <li>○ 選評</li> <li>○ 順位</li> <li>○ 入出力</li> </ul> </li> <li>● JavaChallenge <ul style="list-style-type: none"> <li>○ 案内</li> <li>○ 登録チーム一覧</li> <li>○ 選評</li> <li>○ 順位</li> <li>○ 入出力</li> </ul> </li> </ul> <p><b>2010年度</b></p> <ul style="list-style-type: none"> <li>● 委員会</li> </ul>	<p><b>トピックス</b></p> <p><b>地区大会に向けた模擬コンテストの問論文・入出力データ・解説公開</b></p> <p>ACM-ICPC OB/OG会では、今年度のACM-ICPC地区大会参加チームを対象にした模擬コンテストを11/6に開催致しました。準備のできたものから問論文・入出力データ・解説を公開しています。</p> <p><b>初めての方へ</b></p> <p><b>ACM-ICPC OB/OGの会って何? という方は</b> <a href="#">About</a></p> <p><b>ACM-ICPC って何? という方は</b> <a href="#">ACM-ICPC</a></p> <p><b>今年度のスタッフについては</b> <a href="#">Staff</a></p> <p><b>スタッフになりたいという方は</b> <a href="#">Join</a></p> <p><b>委員会のお知らせが行われる Mailing List については</b> <a href="#">ML</a></p> <p><b>OB/OG 会へのご意見やご質問は</b> <a href="mailto:question@acm-icpc.aitea.net">question@acm-icpc.aitea.net</a></p>
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● Mail: [question@acm-icpc.aitea.net](mailto:question@acm-icpc.aitea.net)