

The title of your thesis or dissertation should be typed here

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Contents

- 1 Lists
- 2 Columns
- 3 Figures
- 4 Description
- Tables

- 6 Blocks
- Definition
- 8 Example
- 9 Theorem
- Myperlinks
- Algorithm

Overview

Overview

• The trivial Set Cover algorithm has running time of $\mathcal{O}(2^n)$.

Overview

- The trivial Set Cover algorithm has running time of $\mathcal{O}(2^n)$.
- bla, bla, bla...

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- 2 Columns
- B Figures
- Description
- Tables

- Blocks
- Definition
 - Example
 - Theorem
- Myperlinks
- Algorithm

Lists - Itemize

- Point A
- Point B
 - part 1
 - \bullet part 2
- Point C
- Point D

• Point A

- Point A
- Point B

- Point A
- Point B
 - part 1

- Point A
- Point B
 - \bullet part 1
 - part 2

- Point A
- Point B
 - part 1
 - \bullet part 2
- Point C

- Point A
- Point B
 - part 1
 - part 2
- Point C
- Point D

Lists - Enumerate

- Point A
- Point B
 - **1** part 1
 - part 2
- Opening Point C
- Point D

Lists - Enumerate (Roman Numerals)

- Point A
- Point B
 - part 1
 - part 2
- Point C
- Point D

- 1 Lists
- 2 Columns
- Figures
- 4 Description
- Tables

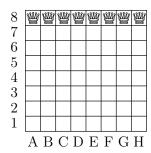
- 6 Blocks
- Definition
 - 8 Example
 - 9 Theorem
- Myperlinks
- Algorithm

Columns

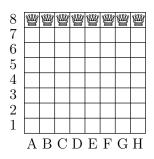
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

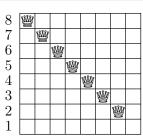
- Lists
- Columns
- Figures
- Description
- Tables

- 6 Blocks
- Definition
 - Example
- 9 Theorem
- Hyperlinks
- Algorithm



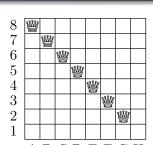
Lists Columns Figures Description Tables Blocks





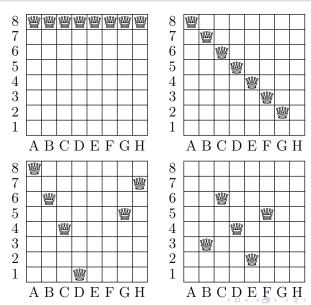
Domination on a Chessboard





ABCDEFGH





Single figure with caption

400 x 400

图: This is an caption!

- Lists
- 2 Columns
- Figures
- 4 Description
- Tables

- 6 Blocks
- Definition
 - Example
 - 9 Theorem
- Myperlinks
- Algorithm

Description Environment

- API Application Programming Interface
- LAN Local Area Network
- ASCII American Standard Code for Information Interchange

- Lists
- Columns
- Figures
- 4 Description
- Tables

- 6 Blocks
- Definition
 - Example
 - 9 Theorem
- Myperlinks
- Algorithm

Tables

Competitor Name	Swim	Cycle	Run	Total
John T	13:04	24:15	18:34	55:53
Norman P	8:00	22:45	23:02	53:47
Alex K	14:00	28:00	n/a	n/a
Sarah H	9:22	21:10	24:03	54:35

表: Triathlon results

aaa[1]

- 1 Lists
- Columns
- Figures
- Description
- Tables

- 6 Blocks
- Definition
 - 8 Example
 - Theorem
- Myperlinks
- Algorithm

Blocks

Block Title

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Alert Block Title

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

- 1 Lists
- Columns
- Figures
- Description
- Tables

- 6 Blocks
- Definition
 - Example
 - Theorem
- Hyperlinks
- Algorithm

Definition

Then there's the definition environment which produces a standard ColorA color block but with the title already specified as 'definition'.

```
\begin{definition}
A prime number is a number that...
\end{definition}
```

定义

A prime number is a number that...

- Lists
- Columns
- Figures
- Description
- Tables

- 6 Blocks
- Definition
 - 8 Example
 - 9 Theorem
- Hyperlinks
- Algorithm

Example

Next there's the example environment which produces a green block with the title 'Example'.

```
\begin{example}
Lorem ipsum dolor sit amet...
\end{example}
```



Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

- Lists
- Columns
- Figures
- Description
- Tables

- 6 Blocks
- Definition
 - 8 Example
 - Theorem
- 10 Hyperlinks
- Algorithm

Theorem

There is also a group of blocks that are especially useful for presenting mathematics. For example the 'theorem' environment, the 'corollary'environment and the 'proof' environment.

```
\label{eq:constraints} $$a^2+b^2=c^2$$\end{theorem}$$\begin{corollary}$$x+y=y+x$$\end{corollary}$$\begin{proof}$$\omega+\phi=\epsilon$$\end{proof}$
```



Theorem Blocks

定理 (Pythagoras)

$$a^2 + b^2 = c^2$$

推论

$$x + y = y + x$$

证明.

$$\omega + \phi = \epsilon$$



- 1 Lists
- Columns
- Figures
- Description
- 6 Tables

- 6 Blocks
- Definition
- Example
- Theorem
- 10 Hyperlinks
- Algorithm

Hyperlink

Before we can create any hyperlinks we need to tag the frames we want to link to using the ommand.

click here (section 1 page) columns page pictures page

- Lists
- Columns
- Figures
- 4 Description
- Tables

- 6 Blocks
- Definition
 - Example
- Theorem
- Hyperlinks
- Algorithm

A trivial Set Cover algorithm

Algorithm 1: MSC(S, U)

```
: A set cover instance (S, \mathcal{U}) and a variable S_{\text{dom}}.
     Output: A minimum set cover of (S, U).
 1 if S = \emptyset then
     return Ø;
 3 Let S \in \mathcal{S} be a set of maximum cardinality;
4 C_1 = \{S\} \cup MSC(\{S' \setminus S \mid S' \in S \setminus \{S\}\}, \mathcal{U} \setminus S);
5 C_2 = MSC(S \setminus \{S\}, \mathcal{U});
6 S_{\text{dom}} \leftarrow \emptyset:
 7 if \mathcal{U} \subseteq \mathcal{C}_1 then
           S_{\text{dom}} \leftarrow C_1:
           if \mathcal{U} \subseteq \mathcal{C}_2 then
                   if |\mathcal{C}_2| < |\mathcal{C}_1| then
10
                    \mathcal{S}_{\text{dom}} \leftarrow \mathcal{C}_2;
11
```

12 return S_{dom} ;

References

[1] Kou Zhongbao and Zhang Changshui. "Reply networks on a bulletin board system". In: *Physical Review E* 67.3 (2003), p. 036117.