# 基本

* 一般强调
  + **加粗**
  + *斜体*
  + **下划线**
  + 代码
  + verbatim
  + ~~删除~~
* 定义
* *α*
* the utility of the best (highest-value) choice we have found so far at any choice point along the path in the "max" mode of minimax
* *β*
* the utility of the best (lowest-value) choice for the "min" mode of minimax
* [超链接](http://orgmode.org)
* 引用
* 绝望之为虚妄, 正与希望相同. --- 鲁迅

# 表格

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| N | N2 | N3 | N4 | sqrt(n) | sqrt[4](N) |
| / | < |  | > | < | > |
| 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 4 | 8 | 16 | 1.4142136 | 1.1892071 |
| 3 | 9 | 27 | 81 | 1.7320508 | 1.3160740 |

# 代码

## 多语言高亮

1. Translate this code from a for loop into a while loop that does the same thing.

* for i in range(1,100):  
   print "i = ", i

1. Translate this code from a while loop into a for loop that does the same thing:

* i = 20  
  while (i > 0):  
   print "i = ", i  
   i -= 1

## 索引

#include <stdio.h>  
  
 int main( int argc, char \*\*argv) (ref:argv)  
 {  
 int a = atoi( argv[1] ); (ref:atoi)  
 int b = atoi( argv[2] );  
 printf( "a + b = %d + %d = %d\n", a, b, a+b );  
 return 0;  
 }

* *第 (argv) 行* 的 argc 是 count of args (arguments), argv 是 arguments 数组.
* *第 (atoi) 行* 的 atoi 把 char \* 转化为 int.

# 公式

We see that there are three variable assignments that make the whole expression true: is false, is true, and is true; is false, is false, and is true; and is false, is false, and is false.

Boole's and De Morgan's Laws

f(n) =

# 图片

## 居中



## 左侧

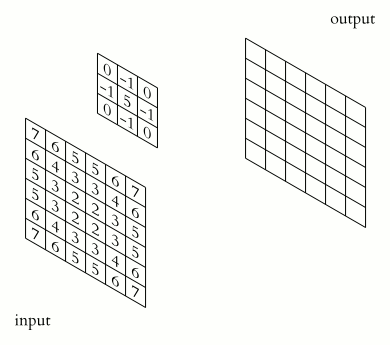
This photo of Lena (Lenna) Söderberg is the most widely used test image for computer vision applications. I have made a conscious decision to use this image for examples on this webpage. We should be respectful of the woman in the photo and know how this image came to be. Read about the photo at [The Lenna story](http://www.cs.cmu.edu/~chuck/lennapg/lenna.shtml).

## 多图

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Kernel is 10x10, all values equal to 0.01 | Kernel is 20x20, all values equal to 0.0025 | Kernel is 20x1, all values equal to 0.05 |

We can also achieve a sharpening effect.

|  |  |
| --- | --- |
|  |  |



From ![](data:text/html; charset=UTF-8;base64,)

# 宏定义

## summary 宏

{{{begin-summary}}}

* is Bayes' formula ("Bayes' rule", "Bayes' theorem"); it is just a rewrite of the rules of probability. It is required that .
* Sometimes, we only want to know if (probability of hypothesis 1 is greater than probability of hypothesis 2, given the evidence). Then we only have to compare vs. , where , which we never need to calculate.
* is the "prior" of a hypothesis (cause/explanation) .
* is the "posterior" of , given evidence is observed.

{{{end-summary}}}

## hidden 宏

member(5, [1, 2, 3]).  
member(X, [1, 2, 3]).  
foobar(1, [1, 2, 3]).  
foobar(1, [1, 1, 1]).

{{{begin-hidden(点我查看答案)}}}

member(5, [1, 2, 3]). % --> false  
member(X, [1, 2, 3]). % --> X = 1 or 2 or 3  
foobar(1, [1, 2, 3]). % --> true  
foobar(1, [1, 1, 1]). % --> false

{{{end-hidden}}}

# 扩展功能

先配置 Emacs 打开扩展:

(org-babel-do-load-languages  
 'org-babel-load-languages  
 '(  
 (dot . t)  
 (sh . t)  
 (ditaa . t)  
 (plantuml . t))))  
  
 (setq org-plantuml-jar-path "~/bin/plantuml.jar")

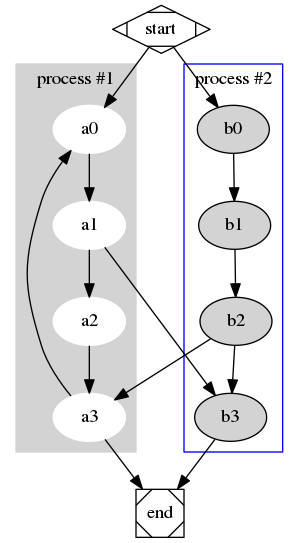
## [ditaa](http://ditaa.sourceforge.net)

+--------------+  
 | |  
 | Hello World! |  
 | |  
 +--------------+



## [Graphviz](http://graphviz.org/)

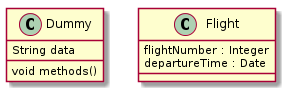
digraph G {  
 subgraph cluster\_0 {  
 style=filled;  
 color=lightgrey;  
 node [style=filled,color=white];  
 a0 -> a1 -> a2 -> a3;  
 label = "process #1";  
 }  
  
 subgraph cluster\_1 {  
 node [style=filled];  
 b0 -> b1 -> b2 -> b3;  
 label = "process #2";  
 color=blue  
 }  
 start -> a0;  
 start -> b0;  
 a1 -> b3;  
 b2 -> a3;  
 a3 -> a0;  
 a3 -> end;  
 b3 -> end;  
  
 start [shape=Mdiamond];  
 end [shape=Msquare];  
 }



## [PlantUML](http://plantuml.com/)

设置:

class Dummy {  
 String data  
 void methods()  
}  
  
class Flight {  
 flightNumber : Integer  
 departureTime : Date  
}



# 加密

现生成 GPG 蜜月, 见 [GPG入门教程 - 阮一峰的网络日志](http://www.ruanyifeng.com/blog/2013/07/gpg.html)

用 GPG 加密, 比如我的

;; pgp  
(require 'org-crypt)  
(org-crypt-use-before-save-magic)  
(setq org-crypt-tag-matcher "secret")  
(setq org-tags-exclude-from-inheritance (quote ("secret")))  
(setq org-crypt-key "TANG ZhiXiong")

加密后你就看不到了. 就像下一个标签. 保存的时候就会自动加密.

## 你看不到我 :secret:

-----BEGIN PGP MESSAGE----- Version: GnuPG v1

hQEMA/UK1fWnkkUVAQgAha+jHx4oRpLNxJ59utczwjQ37Zlq5XRVCwMqy6f5s27V sCagmo2Gqfj781qsgpaduIGKXULgdtbbZ97+6B08zgESQTkSLBMnmqMB9LEapwQO lHYlBdVq/bTbYU66/qbEZ+Jf8FfRQ/q1NUK7xSQhI8NMFaswNq7/wAeSPVOW0kuI RV8nk6AJgmLHRVrbkDHlhHZIVz1+1usZBQpkclWTg/y/9tNrargl0n2Q3IZQRl4c i7h6r6bYErTIT4DpEv+tih56LR6+Q9JIHZ03RGQhm5OqNlOSpcvP4B9bz/b5Sr9U 8BzQkdMMJzs91vjgrDRNT+SA3BRhDpo+0NzY0WF5v9LpAaN2Vm3n5w62v2W4zLzH QfbL4L52yzOyy5quYKlOvN9/UGZHXMbgFa1XuDE1w1TC2poVREebfk8GykBy9KLm PqJ//dtc2PRPEEsJRODDEqgyNzXsSwedFtMnV3+XczvFv5+YUUH40X0aNrvqA37x 5vhw6gwHsYNMFYTqMJzg4w4LFu/7qWJ9myqEXxT4Wv0lH0XuTZdlUgeleSCxqgLU DhmJH3+mbthWYLRT4Z+IZmWHqYgg1Cydr/sYJ1xVHbdKnbIGf1/uF1WnYQe4L41H JsZraG2pNQaLwSVdtOCf4BHXt+3X98BAVSO1I//V9igdnt++Od31PiBMaM+vfY7W ZVisvIzZiSc+goDyESK5oWJBciBizcH8d8WmLGi40PdRSEyX6mW9SGlm6Aofrkr9 qDbMfyqCo4O+QGjd3C7X1i7I0qMtRS0vWCIc8wmlZrSp8vHHm+YxHdczHpJnj292 1yr8fjkpRpJUljnd/lOLFFmSF+Mw2ByF5OHpgZmkhrFjRI6AQ1NmAEqPVgE9LDmm vfH8CaVhNXlzsNVvr9wI4xU645HOGMn16ygrJCy81cCgbm2X7PAGqhsi8TLkRr++ RvKS57a9CrLgIrmjUXsgCM9fHOcL4nUYHsspuCRGPg09+AW+1deOEyZ1mkzoC13+ BlNBjtqE+kQwB5u4F2GA2kvBJjrxKx/T9SD4pkFJmUvEcG6BtvNwQzpnwhHvlnJU wr51wELCB9sEF4cNjXRqXLpufrDimqsKuVq09CUklSKG0QFuGn4OotTZUSrDxjbP KFHiQVyDzj7kVO9K7qjDLZGNehkF/7AmKl3BtiaeVaJvEyPxzgUlADrhiNPCg7oR 7QEfuyxiTWs6fcYnWk/5lpjpeq0yP+xquMjQwCvQV3miXh4jWkoRXIgFPMy0/KTP LJKkN53uULd3UI1913lEleFPaPpzqekU2RA34cOFUtOGQefs2hYbuAbZSdPTUDho vDrvvLYRl+tSQAwFnR9MGcVTyPSC4+ROPGB+ABDOz4RkSBvLj1ORsVLk7iuHlOkL 0YH3uKwEY3R8clKvhEp68fSDCA8bI6+QfoJrUCrvI06+jLc3Bxq+4X+63OEfx1f3 Z+mMzpiT5q2Rj3mQL5Z7kwxAT55Hl/hRO/wkUkT3YegXiTJFNbZLnnMABccbk4uI zaOyAXHHL0JOIFeaxJWyVMLBUuVZDErksspWddk7f0gYIT1BCwrV4uV5D796Uyv/ 4YqUPIYJwC5K2XPj6o09cEOI39FfJOx34nvhxRxKou+O3Ofwld3OAgGdX4zl26Dl oUVyUlvFWbRQqOiDp0j3JZXSl9ObFFF4Tg== =3wea -----END PGP MESSAGE-----

## 如何揭密

org-decrypt-entry

# 导出

## html

## TODO LaTeX

待续

## docx

cat file.org | perl -p -e "s/\[\[file:/[[/gi;" | pandoc -f org -o file.docx

见: *features.docx*