

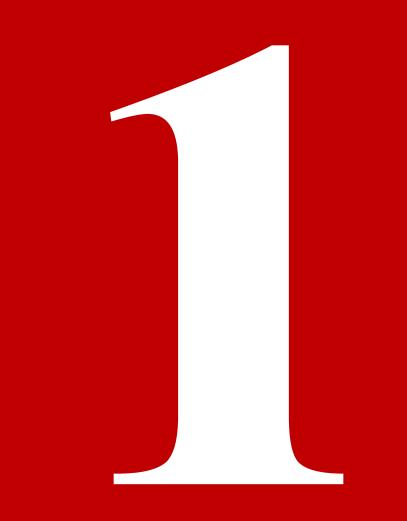


送給生科系同學三個數字

An advice to students for Life Science by three numbers

2018/12/21

生命科學院 生化科技學系 莊 榮 輝



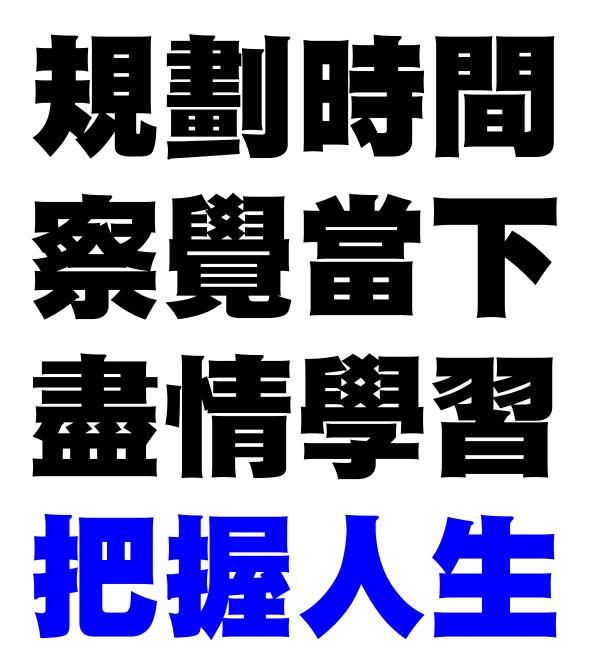
第一年很重要 人生只有一次



The freshman year is very important, since you have only one chance in your lifetime.



University is not really composed of four years. It has only first half and second half.



Plan your time, Grasp every moment, Learn as you could, and Cherish your life.



A proposal worthy to pay two million USD: A ToDoList for daily work.

天外有天人外有人



Only diamond cut diamond; there are always someone better than you.







Group study Active study Effective study

To learn with your brilliant classmates.

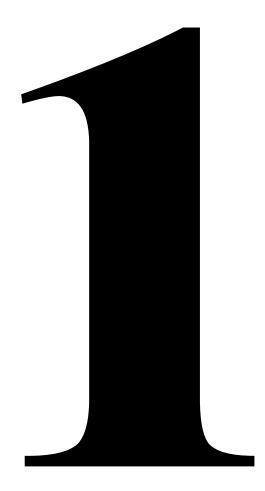
Easy company

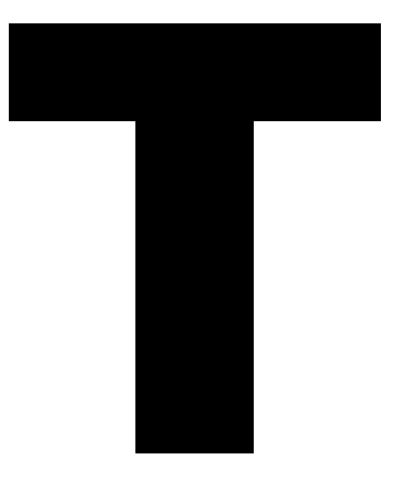


... I served in a company of heroes

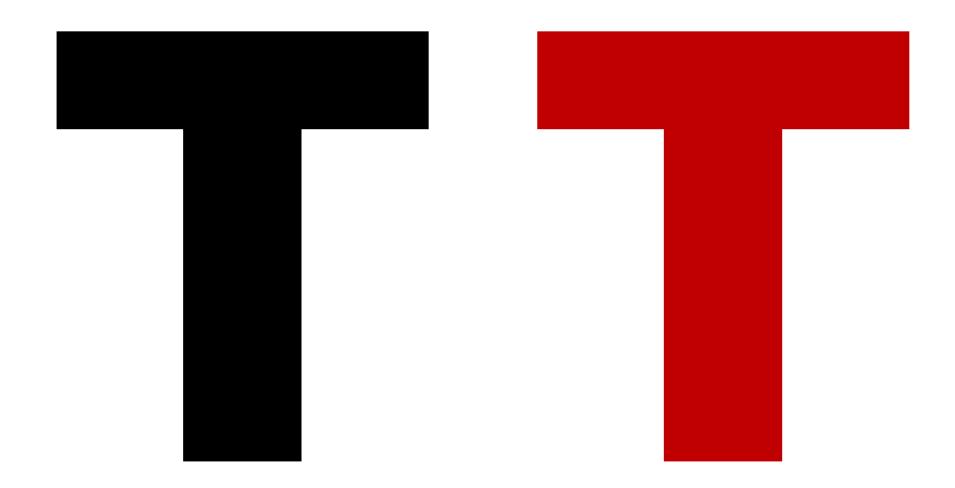
因斯坦一定 君ス 冒大 $E = ma^2 X$ $E = mb^2 X$ $= mc^2$

Definitely, Einstein could not get any entrance admission from NTU.



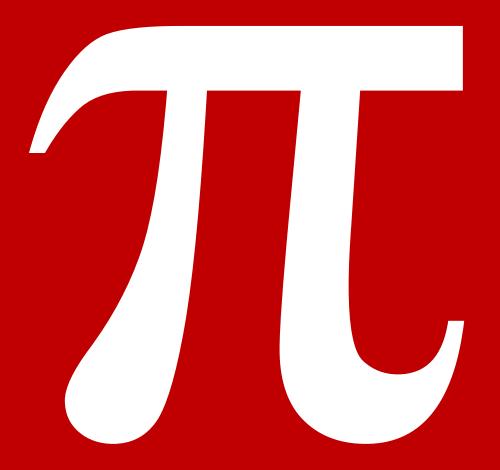


T = to learn broadly and profoundly.



Only one T is not enough. You have to adopt another T, which brings you liberal art education.

3.141592653589793238462643383279502884197169399375105820974944592307816406286208998628034825



Merge these two **T**'s together. A new number appears ... π

3 1415926535897932384626433832795028841971693993751 3 14882 $\widehat{}$68 Irrational number: you will never know which numeric digit will come out next...



To explore every possibility beyond knowledge.



General education, Core competence, Multidisciplinary courses. Enrich you life.

具第 VS 多元

Profession vs. Multidiscipline





A piece of music has different significance to individual person.



Travelling creates distinct memories to everyone.

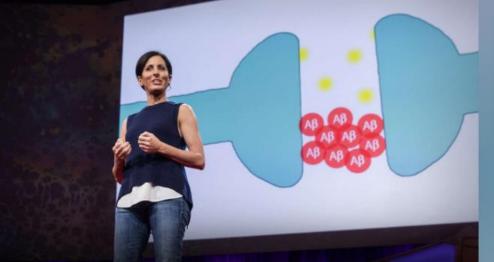






Snoopy is a fun of van Gogh!

Ideas worth spreading





7 talks for neat freaks

Playlist: Tidying can be tedious, but these talks understand the benefits and beauty of order (and maybe, a little disorder too)



Tomorrow: Watch the best of TED2017 in select cinemas!

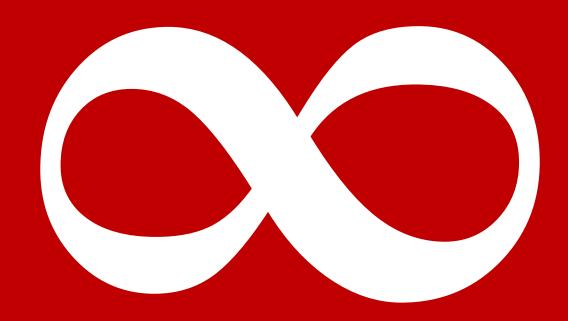
Don't miss this program made just for cinemas, featuring the highlights from this week's TED Conference plus an interview with Elon Musk. Search showtimes.

What you can do to prevent Alzheimer's

Lisa Genova / Neuroscientist, novelist

Ideas worth spreading

Create your ideas and share with others.



The third number is "infinity".







Evolve yourself, Transform from HS student, Become a freshman. Improve yourself.

人生的文藝復興

Space Odyssey

Create a Renaissance in your lifetime.

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設景自我價值 找到生命舞台 Life is good

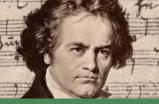
Enlighten self value, Find yourself a stage. Dedicate to a good life.

大學四年裡做過這些事情?

1 培養實在的科學精神 (找尋一種科學興趣) 2 至少喜歡並且熟悉一位西方畫家及其作品 3 熟悉西洋古典音樂 (至少精於一位作曲家) 4 嘗試去深入中國文物的意境 (故宮博物院) 5 培養一種終生喜好的運動 (並成為狂熱者) 6 讀一部世界通史 (威爾杜蘭的世界文明史) 7 遍讀金庸小說 (至少要讀過幾部代表作品) 8 把一兩種外國語文徹底學好 (通常是英語) 9 遇到知心而可靠的朋友 (多寡、種別不拘) 10 深入認識並學習一個具有特色的先進國家 11 參與或主導一件校內外轟轟烈烈的大活動 12 決定自己未來的志業 (並且做得真正開心)











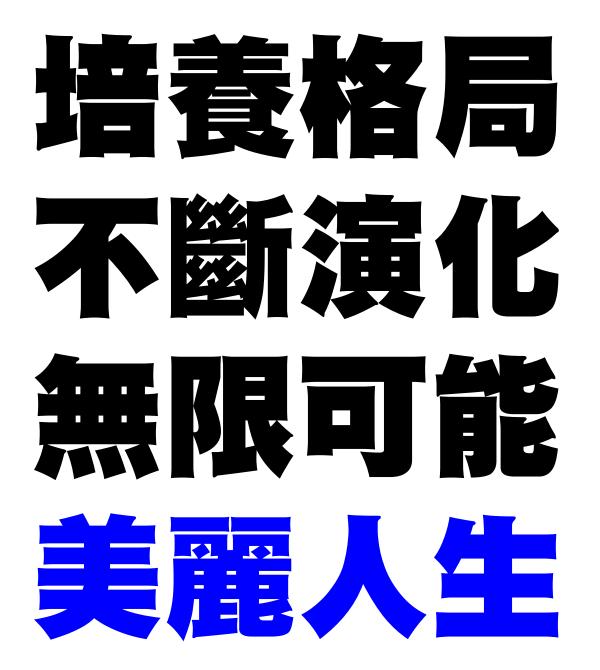




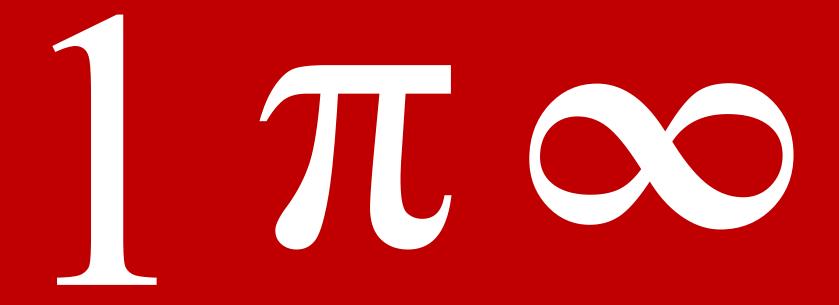
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A ToDoList in you college life

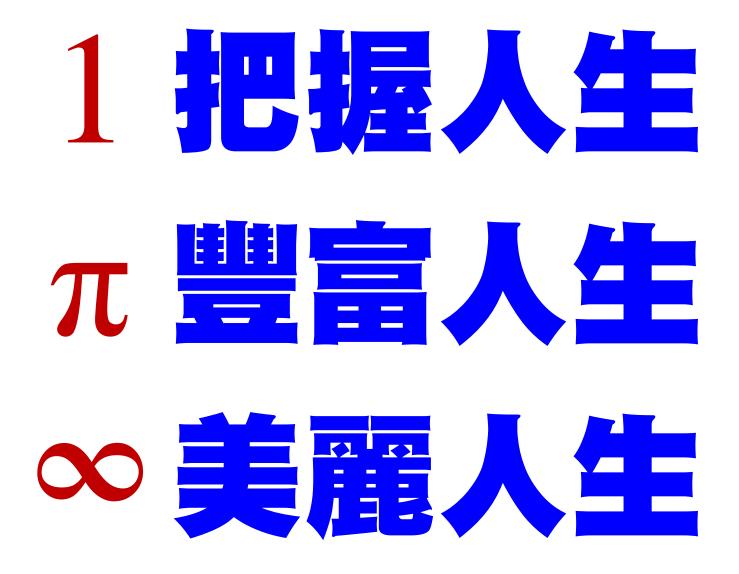
- **1** Get familiar with the art of scientific investigation
- 2 Learn to master the Western classical music
- **3** Learn to know and love a Western painter
- **4** Explore the art of Chinese civilization (e.g. bronze age)
- 5 Crazy about a sport in your lifetime (e.g. soccer)
- 6 Read a world history (e.g. The Story of Civilization)
- 7 Read some of the swordman novels by Jin-Yong (金庸)
- 8 Learn one or more foreign languages profoundly
- **9** Find yourself life-long friends (animal included)
- 10 Deeply explore a (developed) country you like mostly
- 11 Joint a big activity or movement in the campus
- 12 Make a direction on your future (and your are happy)



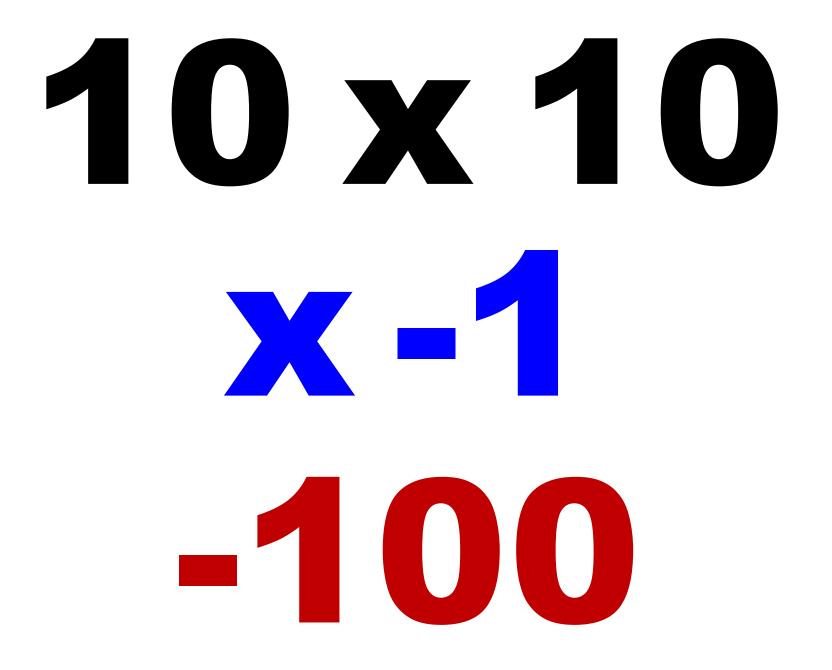
Expand your time and space, Evolve persistently, Make imagination possible. Life is good.



All the three numbers



Cherish your life \rightarrow Enrich your life \rightarrow Life is good.



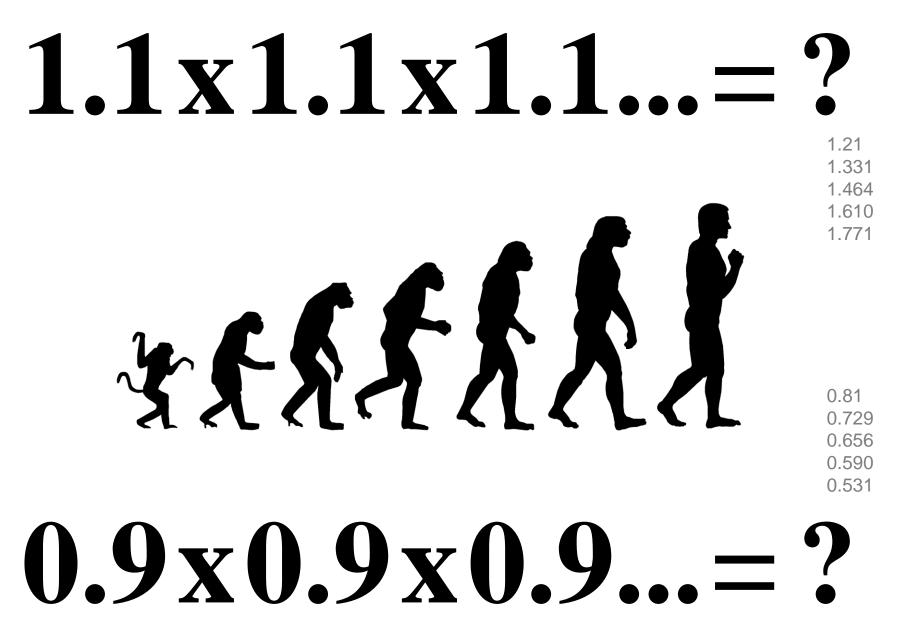
The deadly power of a negative factor.

他們是同一個民族嗎?



Are they the same people in ethnic?





Tiny improvements will accumulate to produce big difference. Vise versa.

人才是邁向頂尖的唯一關鍵

Human resource is critical to achieve the university excellence





Education brings the world a colorful future

討論問題

(1) 高中與大學時期的學習階段很關鍵嗎? (2) 優秀學生之學習方式都具有什麼特點? (3) 若學生時代不認真學習,我有何損失? (4) 專業都學不好了?我為何還要修通識? (5) 如何知道自己的人生大方向是否正確? (6) 我很努力但成績仍不佳, 該如何自處? (7) 大學四年中除學習以外的最重要大事? (8) 人生最寶貴的特質是什麼?如何達致?