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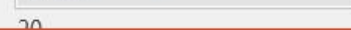
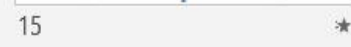
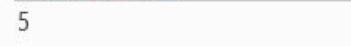
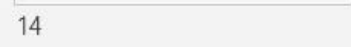
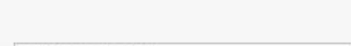
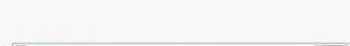
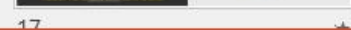
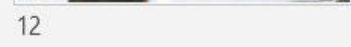
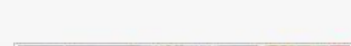
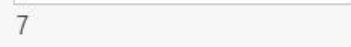
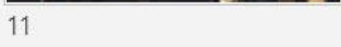
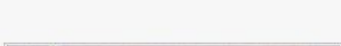
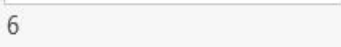
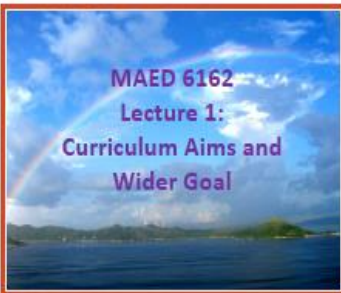
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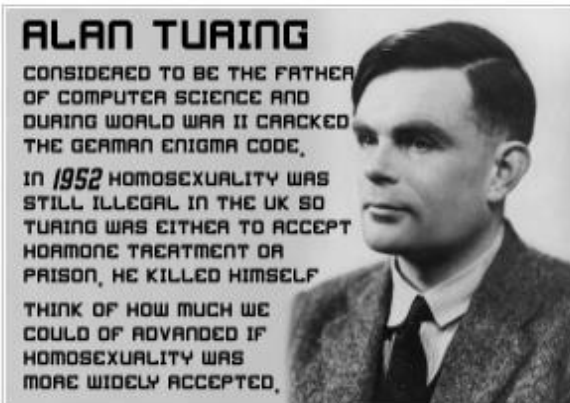
「新數運動」起因



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Ⓜ This Russian Computer Pioneer Is Finally Getting Her Due



and an all-around badass — and you've likely never heard of her.

Today, she's finally getting her due. Hopper, who died in 1992, was a computer engineer who served in the Navy during World War II and went on to develop the first real computer software — long before "software" was even a concept with a name. A video from FiveThirtyEight's Signals series, called "*The Queen of Code*," celebrates her life and work.

We often talk now about how women are excluded from tech jobs, but the landscape looks nothing like it did in Hopper's day. Not only was she barred from advancing in two

separate careers because she was a woman, she was deliberately left out of newspaper photos documenting big achievements of which she was an integral part.

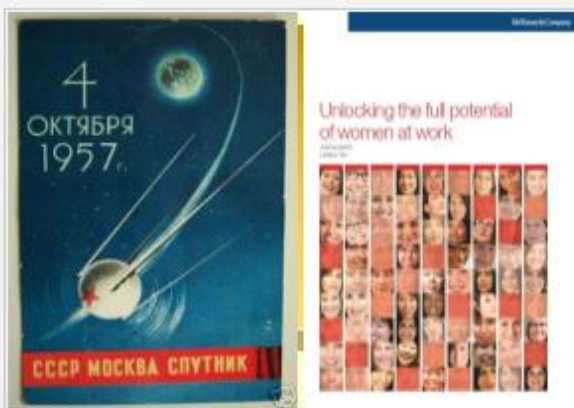
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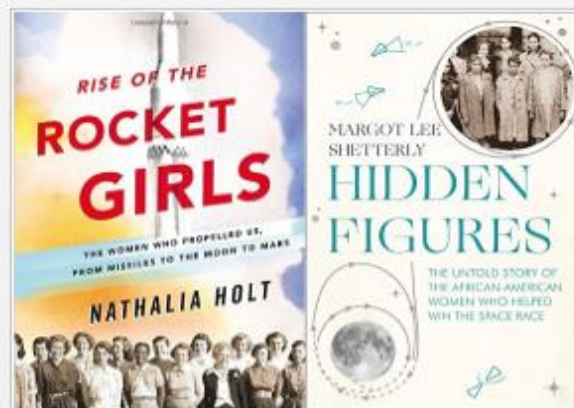
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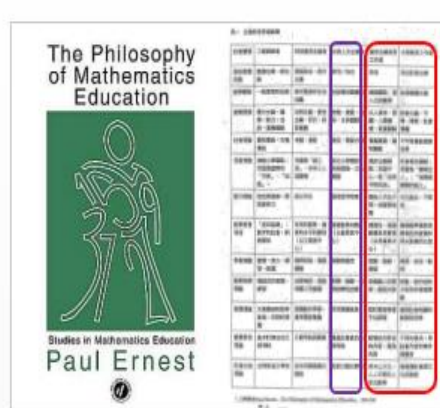
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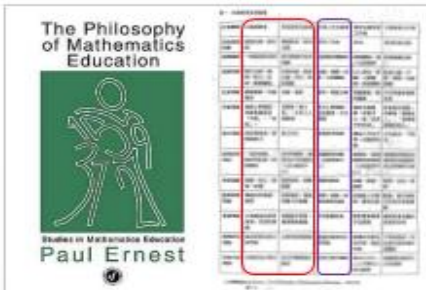
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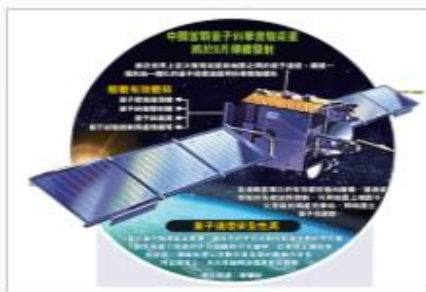
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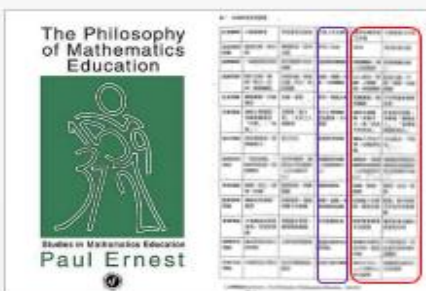


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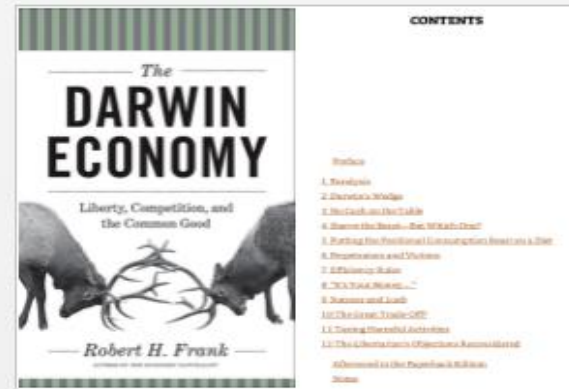
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一幢西半山豪宅實際只有三十三層住宅樓層（不計停車場及隔火層），為「好意頭」而將頂層複式名為八十八樓，便惹來城中一場「數字風波」。

今次風波的主角是自然數¹，若不包括零便是正整數，亦是我們生活習慣中的「數數」(Counting Number)：一、二、三、四...因為數字的出現是源於數數，加上我們在小學學習成長時，數字是用作數學運算的符號，故此我們習慣了數字的第一類用途：**基數 (Cardinal Number)**，即數字是服從數學的運算，例如三加四等如七、七七四十九等。

而數字另一類較為普遍的用途便是**序數 (Ordinal Number)**：第一、第二...，如學生考試排名，能顯示次序、級別或地位，雖然英文字母的使用有時亦可發揮這種作用（如會考奪 A），但如數量大及精確度要求較高時（如全球大學排名），序數的使用便不能以其他符號替代。

最後一類便為**標稱數 (Nominal Number)**，如體育比賽運動員的球衣號碼，其作用與運動員的個人姓名分別不大，但由於標稱數比較精簡及不分國族，方便場內場外溝通。

而當自然數在媒體出現時，我們會以其情境及一般習慣去決定是那一類的應用。以大廈樓層來說，一般習慣是以基數及序數為主，如廿一樓以上才看到海景，十九樓便沒有海景看這道理連小學生也能明白（序數比較高低）；如有重硬物從大廈的十六樓掉下（基數顯示數量），一般市民的理解是對途人的威脅甚大。

至於大廈沒有四樓或十三樓、甚或沒有四十幾樓，到跳級至八十八樓等，是因為數字亦可以是標稱數，仍保持著排序，只不過是失卻數字作量度的準確性，而換取數字背後的文化意涵。這文化意涵會是出於一些好意，如「四」字在粵語中近「死」、「八」近「發」；西方則有「十三不祥」之說，趨吉避凶，也並不為過。

換一個角度，以普世的「真善美」追求和資本主義社會的「利」角度來看，沒有四樓或十三樓的做法，是失卻小量的「真」而換取大量的「善」與「美」，及獲取更大的「利」，算是無傷大雅。到取消四十至四十九樓²時，失真的程度可算不少，但也因只是「避凶」的刪除，而無跳級的「趨吉」，在社會上也沒有較大的爭論。今次，由六十八樓一跳而至「意頭極好」的八十八樓，確是大大的失真，社會大眾又會否接受呢？

以數學文化中的「真善美」角度來看，數學思考是客觀、冷靜、理性、精確和嚴謹的，數數和基數的學習應用亦是基礎起步點³。香港社會部份人士以經濟效益掛帥，見「利」失「真」，這個「數字風波」突顯房產發展決策人的主觀浮誇及對傳統數學概念的漠視。而在此等社會價值的氛圍中，我們的數學教育亦難以脫離功利應考之途。

¹ 「自然數應否包括零？」與「樓層應否由零開始？」同樣有趣，讀者不妨探究一下。

² 這不單存在於香港，一些位於美國拉斯維加斯的酒店亦是如此。

³ 香港中、小學數學課程包含「數與代數」、「圖形與空間」、「度量」和「數據處理」範疇。

雄才

俊五郎



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2017年9月25日 14:51

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恒地半山區西部天匯修改價單，將實用面積4,971平方呎的頂層46樓B室（又稱88樓B室）價單定價調低，由原先逾5.37億元，降價至最新5.21955億元，減價約1,569.5萬，降價幅度約2.9%，但每呎呎價要10.5萬元，並於本周五（9月29日）起發售。

天匯頂層每呎定價10.5萬 周五發售



The GREAT LEVELER

VIOLENCE *and the*
HISTORY *of* INEQUALITY
from the STONE AGE *to*
the TWENTY-FIRST CENTURY

WALTER SCHEIDEL



Albrecht Dürer, *The Four Horsemen of the Apocalypse*, from *The Apocalypse*, 1497–1498.
Woodcut, 15¼ × 11 in. (38.7 × 27.9 cm).

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The Philosophy of Mathematics Education



Studies in Mathematics Education

Paul Ernest



Mathematics and Democracy

DESIGNING BETTER VOTING
AND FAIR-DIVISION PROCEDURES

Steven J. Brams



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小河淌水

退休教師憶流年

馮以浣

大江東去

司徒華回憶錄

OXFORD