

Bienvenido a ...

¿Qué es LAB  ?

Mengyu Zhou



Lab mU

A Brief History

2007~now

$$\int_{-\infty}^{\infty} \omega = \int_{-\infty}^{\infty} d\omega$$

www.mathmu.cn 计算机代数系统

For a time I stood pondering on circle sizes. The large computer mainframe quietly processed all of its assembly code. Inside my entire hope lay for figuring out an elusive expansion. Value: pi. Decimals expected soon. I nervously entered a format procedure. The mainframe processed the request. Error. I, again entering it, carefully retyped. This iteration gave zero error printouts in all-success. Intently I waited. Soon, roused by thoughts within me, appeared narrative mnemonics relating digits to verbiage! The idea appeared to exist but only in abbreviated fashion-little phrases typically. Pressing on I then resolved, deciding firmly about a sum of decimals to use-likely around four hundred, presuming the computer code soon halted! Pondering these ideas, words appealed to me. But a problem of zeros did exist. Pondering more, solution subsequently appeared. Zero suggests a punctuation element. Very novel! My thoughts were culminated. No periods, I concluded. All residual marks of punctuation = zeros. First digit expansion answer then came before me. On examining some problems unhappily arose. That imbecilic bug! The printout I possessed showed four nine as foremost decimals. Manifestly troubling. Totally every number looked wrong. Repairing the bug took much effort. A pi mnemonic with letters truly seemed good. Counting of all the letters probably should suffice. Reaching for a record would be helpful. Consequently, I continued, expecting a good final answer from computer. First number slowly displayed on the flat screen - 3. Good. Trailing digits apparently were right also. Now my memory scheme must probably be implementable. The technique was chosen, elegant in scheme: by self reference a tale mnemonically helpful was ensured. An able title suddenly existed - "Circle Digits." Taking pen I began. Words emanated uneasily. I desired more synonyms. Speedily I found my (alongside me) Thesaurus. Rogets is probably an essential in doing this, instantly I decided. I wrote and erased more. The Rogets clearly assisted immensely. My story proceeded (how lovely!) faultlessly. The end, above all, would soon joyfully overtake. So, this memory helper story is incontestably complete. soon I will locate publisher. There a narrative will I trust immediately appear, producing fame. THE END.

$$\pi = \frac{2 - 4 \sum_{n=0}^{\infty} 2^{n-1} c_n}{(2 - 4 \sum_{n=0}^{\infty} 2^{n-1} c_n)^2}$$

圆周率前402位 · Chudnovsky算法

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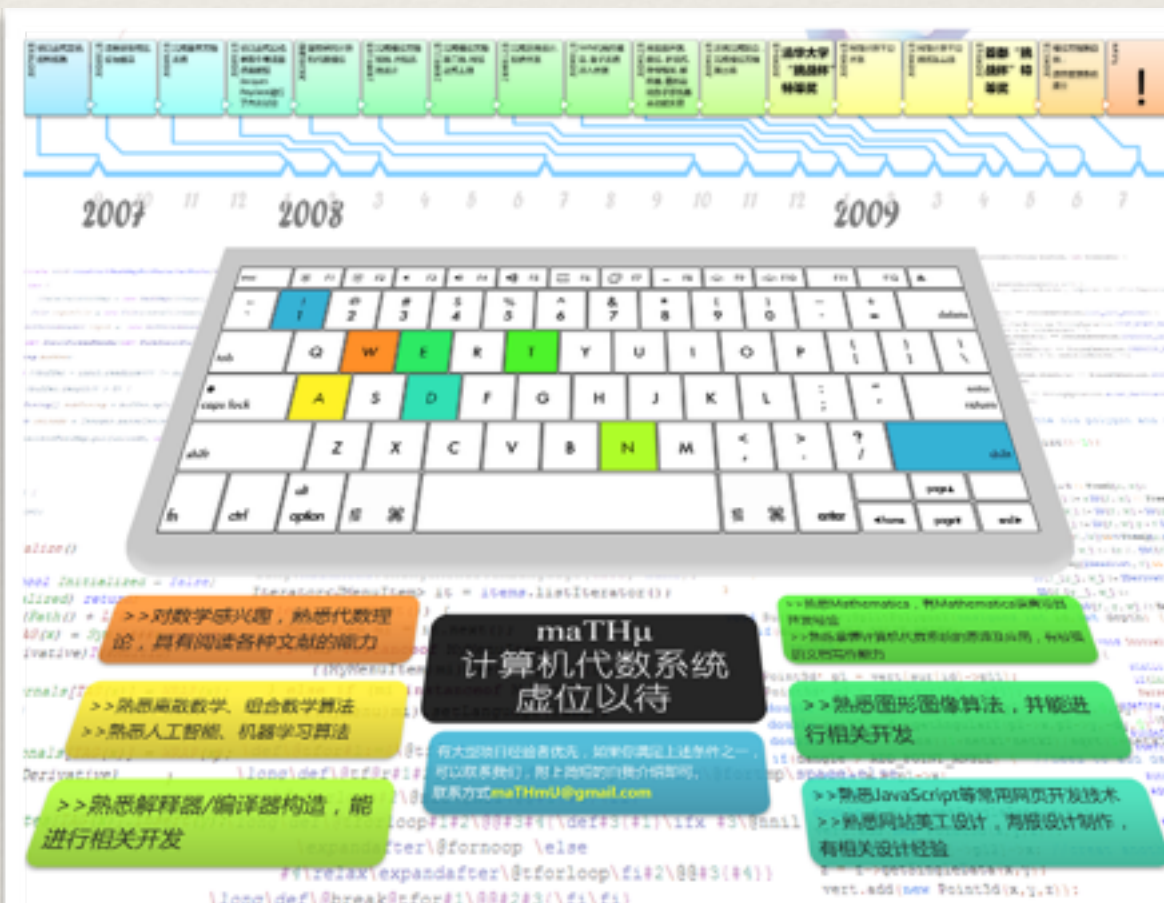
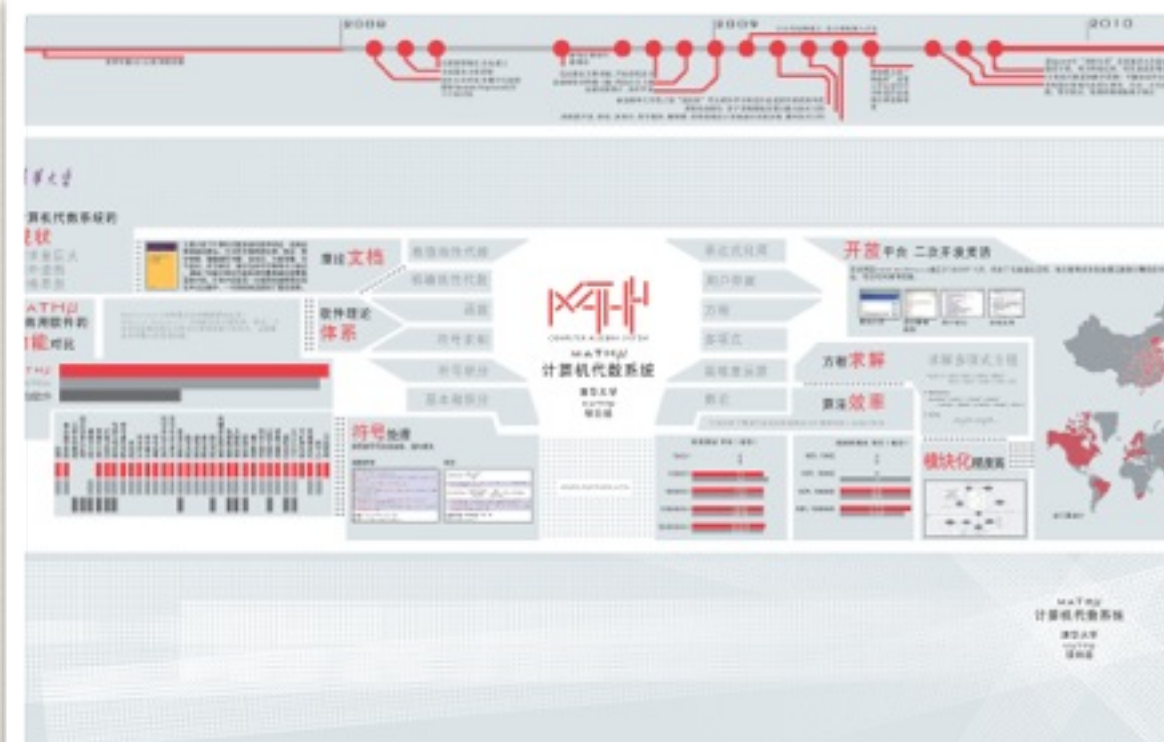
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maTHμ科学计算引擎

Lab μ (原maTHμ研究协会)

2009年, 全国“挑战杯”特等奖
2010年, 华人新世界数学奖银奖
2011年, 与阿里云公司合作研发

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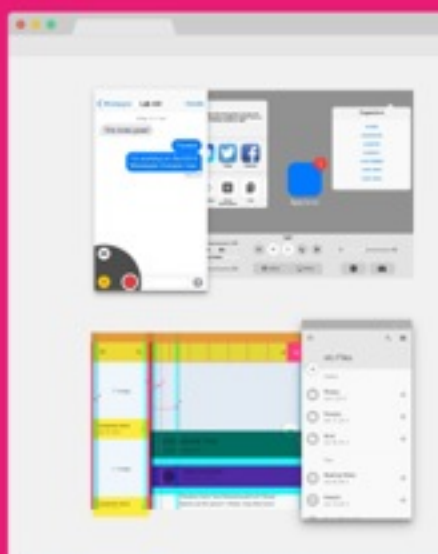


HACKATHON

`[dev time:@"12hrs"].setDate("20140301")`



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“Simplify our campus life”
“Design our Code”

– *Lab mU*



Seeing the world
through
the eyes of the
customer

vs.



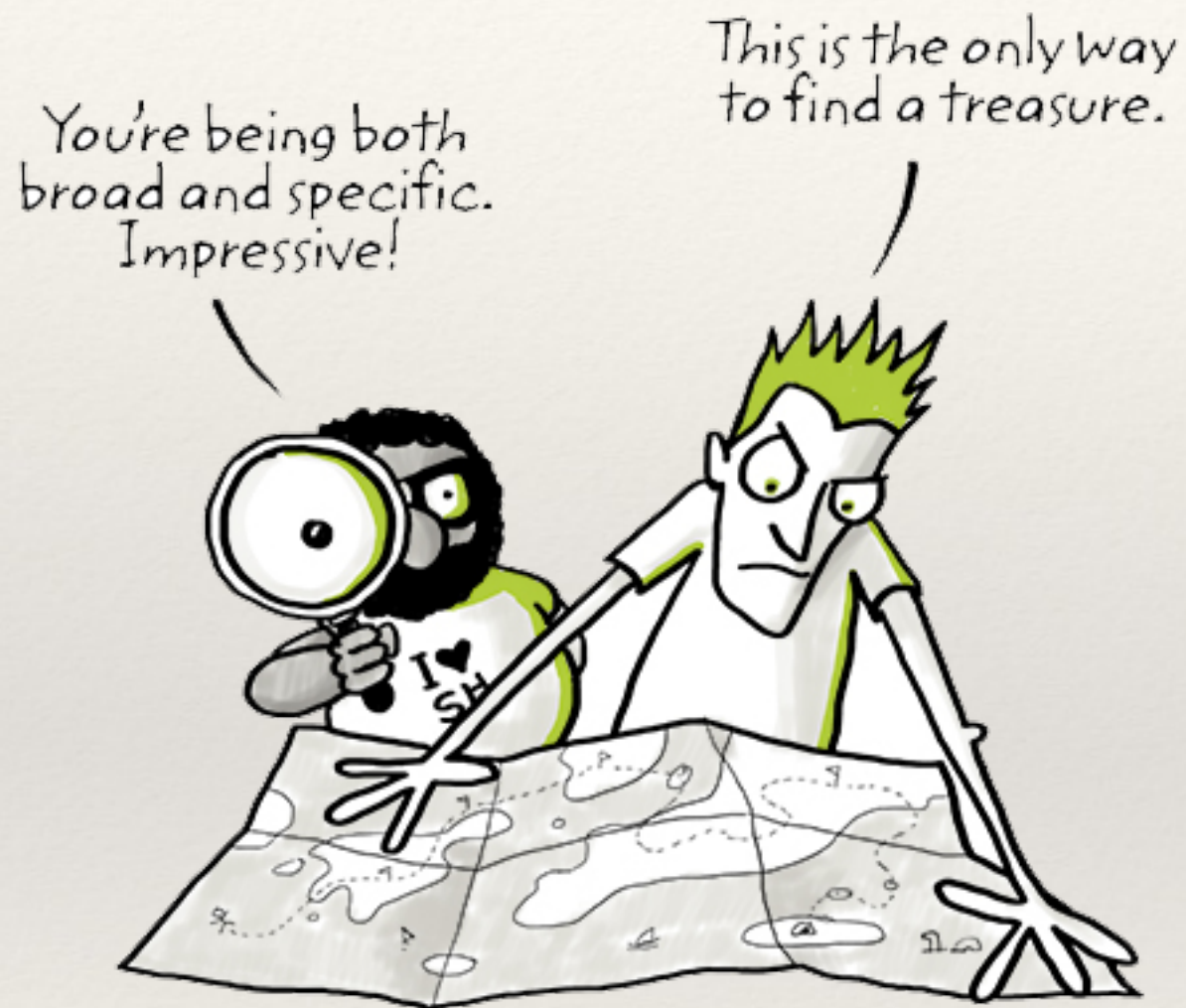
Seeing the world
through
the perspective
of the company

A lesson...

Who is our Customer?

from MITx: 15.390x

1. Conduct Market Segmentation



A. Brainstorm

B. Narrow

- market opportunity =
specific end users +
unmet needs

C. Primary Market Research

- interview!

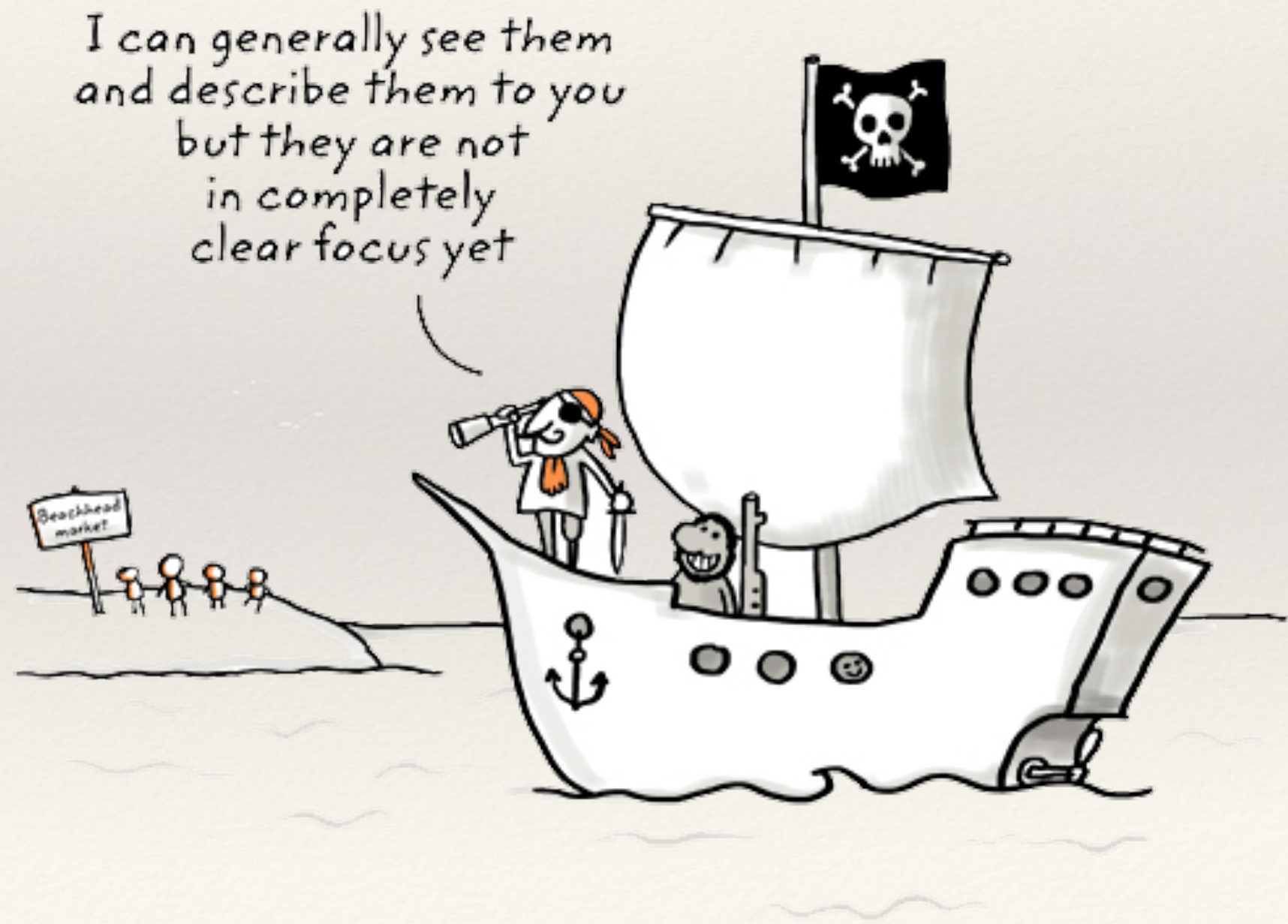
2. Select the Beachhead Market

Patience
Focus

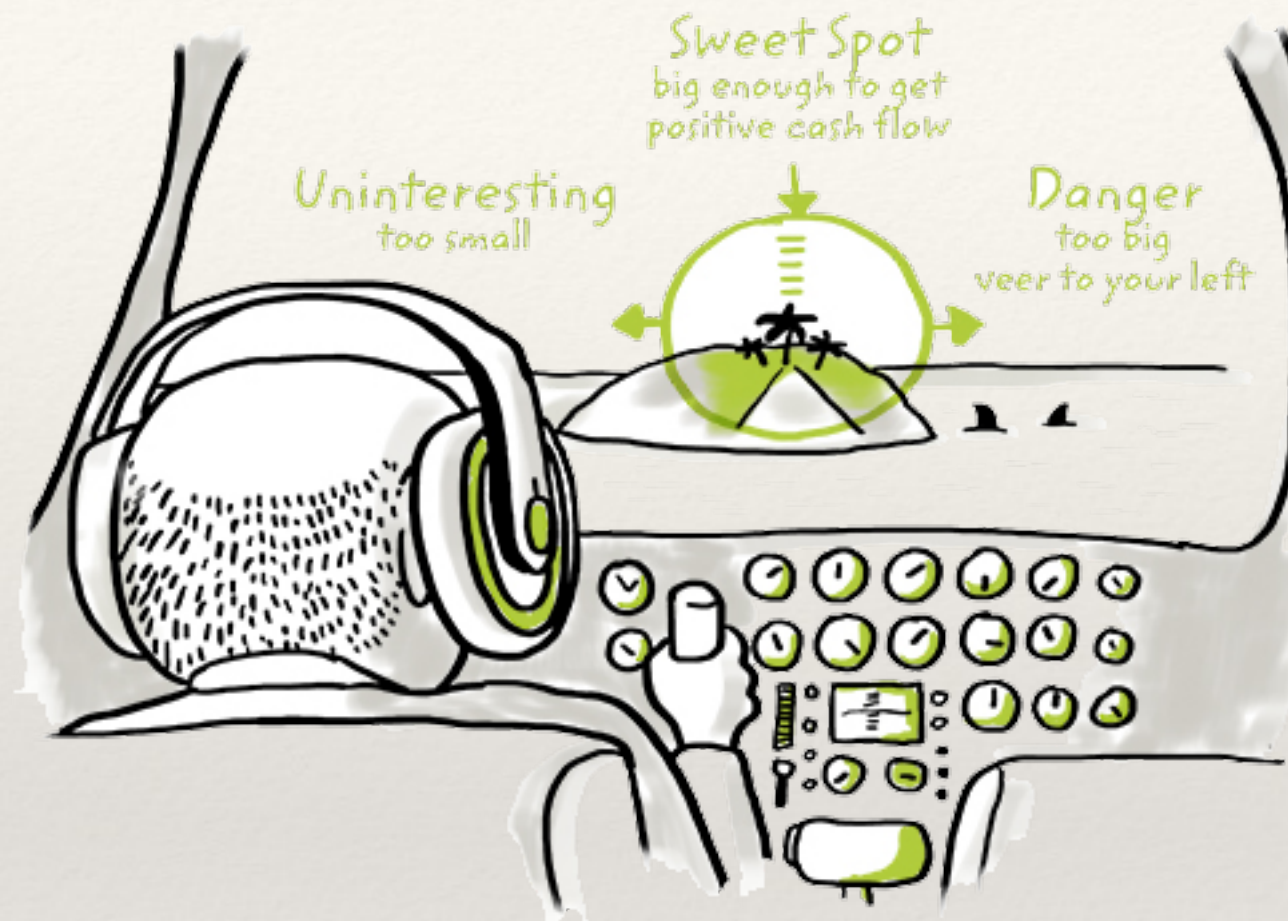


3. Develop an End User Profile

Stay focused on
a key group of
relatively homogenous
end users



4. Estimate the Total Addressable Market Size

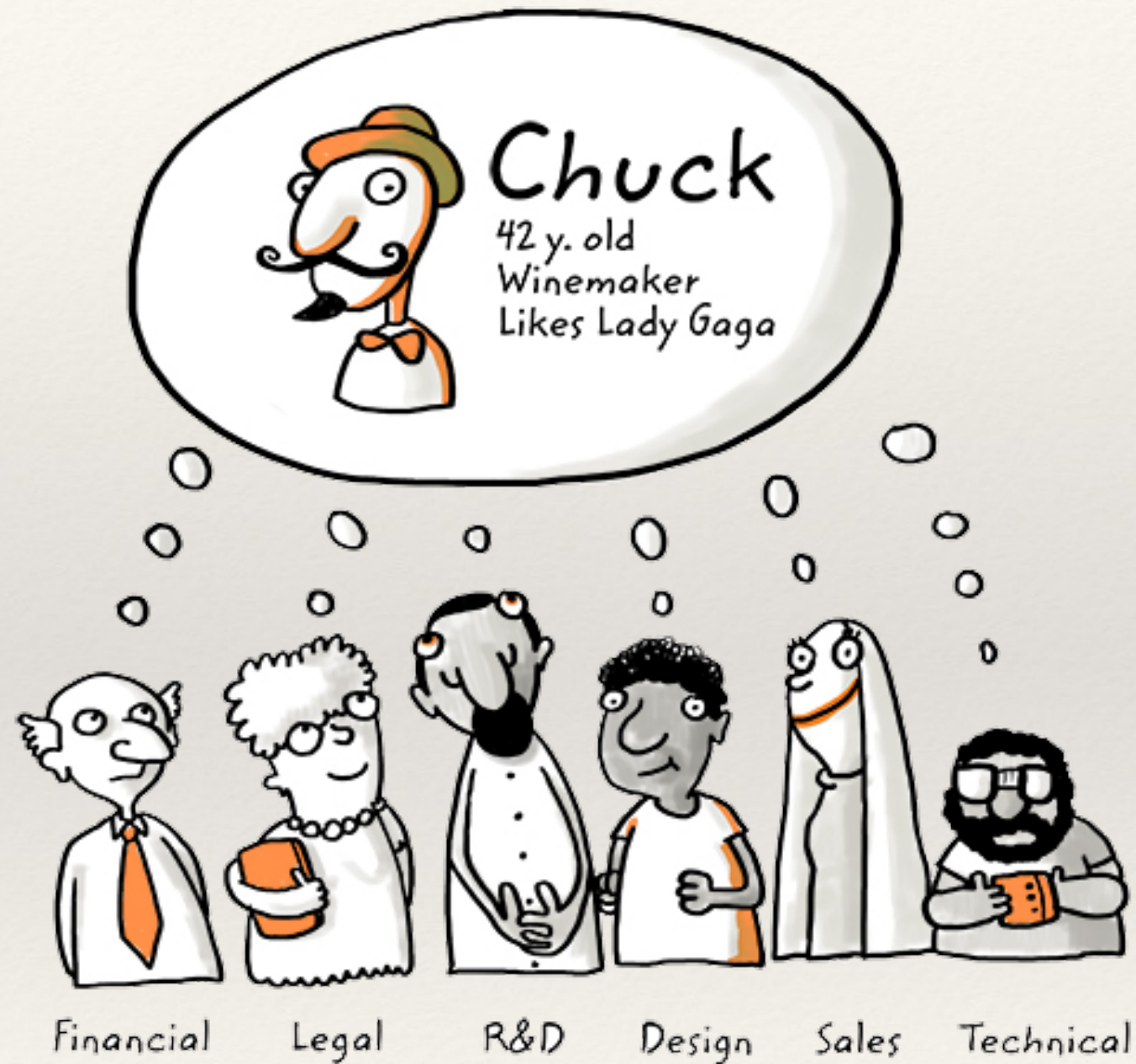


Beachhead TAM calculation
is your sanity check
that you are headed
in the right direction

5. Profile the Persona for the Beachhead Market

ONE Person

that best represents
End User Profile

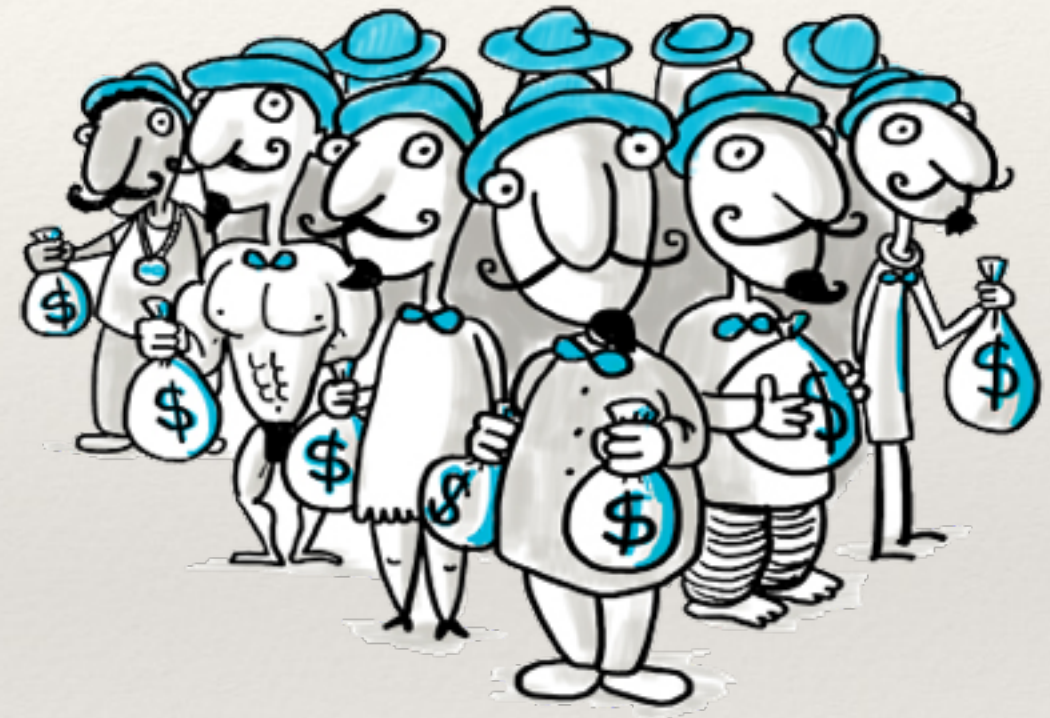


Then...

ULTIMATE GOAL

Find a Homogeneous Group
of Target Customers.

Hello,
we are a homogeneous group
of target customers.



We have money for your product.



Dive into Lab μ :

Framework & How to Level Up

& self-intro from key members