

MICROECONOMICS = A STUDY OF HOW AN INDIVIDUAL MAKES CHOICE UNDER SCARCETY,

RESOURCES ARE SCARCE

SCARCETY



CHOICE

→ TRADE-OFF



OPPORTUNITY COST

⇒ ALL RESOURCES YOU MUST GIVE UP IN ORDER TO ENGAGE IN AN ACTIVITY.

= EXPLICIT COSTS + IMPLICIT COSTS

EX STUDYING AT BE FOR 4 YRS.

WHAT IS OPPORTUNITY COST OF DOING THIS ACTIVITY?

→ TIME & ENERGY & EFFORT
TUITION FEES
BOOK EXPENSES
ACCOMMODATION COSTS
⋮
⋮
⋮

} EXPLICIT COSTS

§
FORGONE SALARY (INCOME)
EX. $48 \times 10,000 = 480,000$ THAT FORGONE
• SKILLS & EXPERIENCE FORGONE

} IMPLICIT COSTS

DECISION RULE :
IF BENEFITS (B) > COSTS (C), DO ACTIVITY X.
IF " " < COSTS (C), DO NOT DO ACTIVITY X.

A SIMPLE MODEL OF PRODUCTION POSSIBILITY CURVE

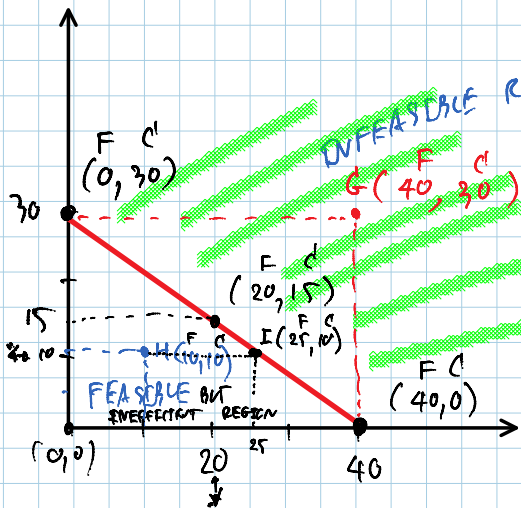
OBJECTIVE: TO GET A BETTER UNDERSTANDING OF S-C-O CONCEPT.

FROM A HOLLYWOOD MOVIE: CAST AWAY (2000)

WATCH: <http://www.youtube.com/watch?v=2TWYDogv4WQ>



OF COCONUTS / DAY



CONSIDER MR. TOM HANK

TWO ACTIVITIES

- GATHERING COCONUTS
- CATCHING FISHES

AVAILABLE RESOURCE : TIME $\rightarrow 24 - 6 = 18$ WORKING HOURS



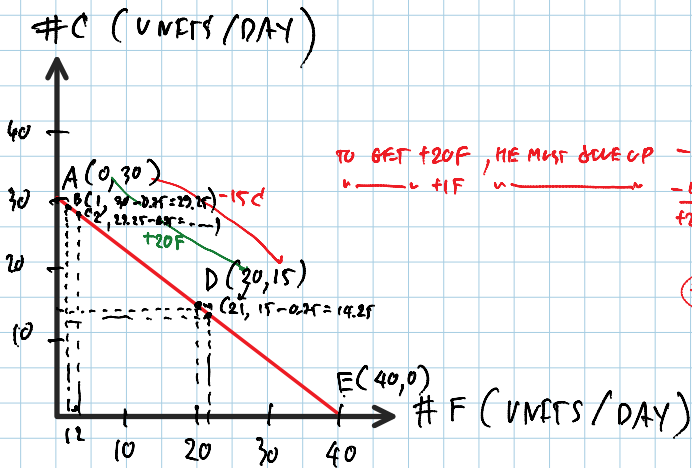
FISHES / DAY

THIS CURVE IS CALLED " PRODUCTION POSSIBILITY CURVE " (PPC)

OR " PRODUCTION POSSIBILITY FRONTIER " (PPF)

PPC : SHOWS COMBINATION OF TOM'S PRODUCTION CHOICES GIVEN HIS AVAILABLE RESOURCES (TIME).

15.08.13



GIVEN HIS EXISTING RESOURCES AND THE CURRENT STATE OF TECHNOLOGY LINE AE IS TOM'S PPC.

FACT #1

- COMBINATIONS ON PPC ARE ALL FEASIBLE (TO PRODUCE) AND EFFICIENT.
- COMBINATIONS OUTSIDE PPC ARE INFEASIBLE.
- COMBINATIONS INSIDE PPC ARE FEASIBLE BUT INEFFICIENT.

FACT #2

TOM FACES TRADE-OFF: TO OBTAIN MORE OF FISHES, HE MUST GIVE UP SOME COCONUTS, VICE VERSA.

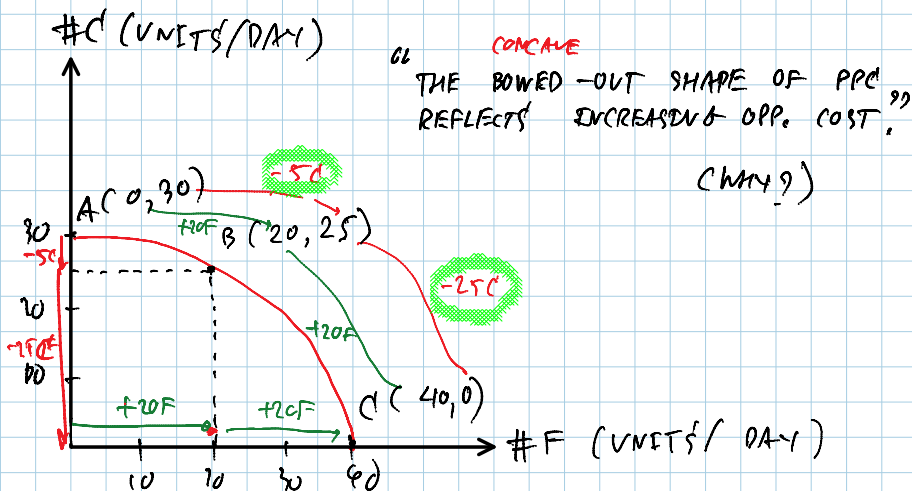
OPPORTUNITY COST OF GETTING AN EXTRA UNIT OF FISH IS $\frac{3}{4}$ FORGONE UNIT OF COCONUT.

SURPRISINGLY, THE SLOPE REFLECTS THIS OPPORTUNITY COST OF PPC.

GIVEN A STRAIGHT LINE PPC, IT SHOWS THAT THE OPPORTUNITY COST IS CONSTANT. (i.e., $-\frac{3}{4}$)

FACT #3

IN REALITY, THE OPPORTUNITY COST IS TYPICALLY INCREASING.

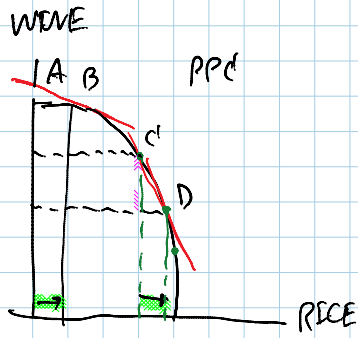


Q: WHY IS THE OPPORTUNITY COST INCREASING?

A: DIFFERENCES IN SPECIALIZATION OF INPUTS THAT USE TO PRODUCE OUTPUTS

SUPPOSE TOM HAS 100 WORKERS AND STORY CONTINUES AS DISCUSSED IN THE CLASS...

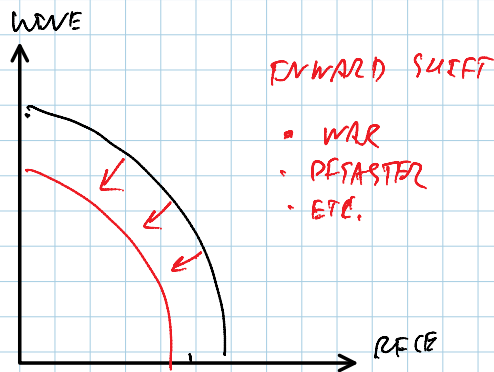
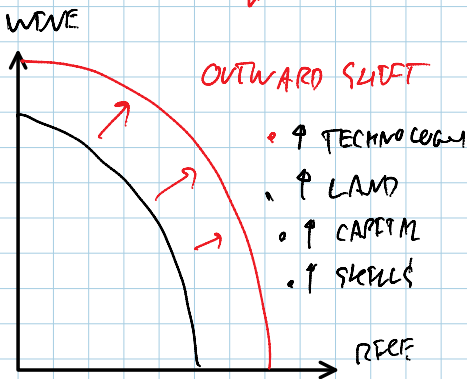
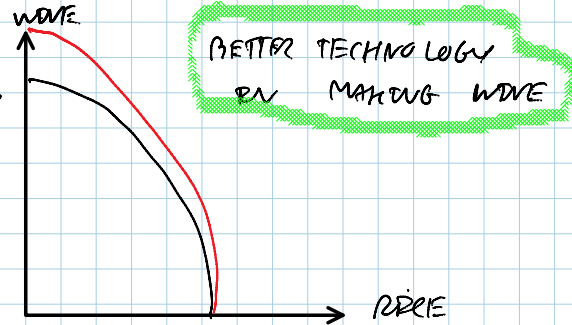
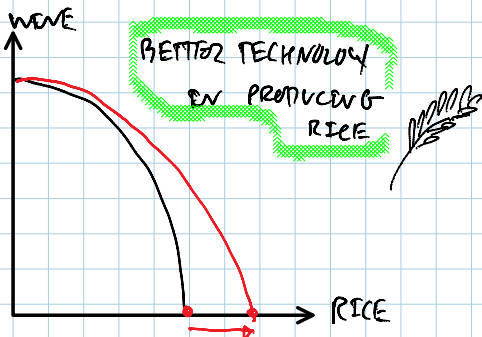
ANOTHER EXAMPLE : AN ECONOMY THAT PRODUCES TWO GOODS: RICE AND WINE GIVEN EXISTING RESOURCES AND CURRENT INNOVATION.



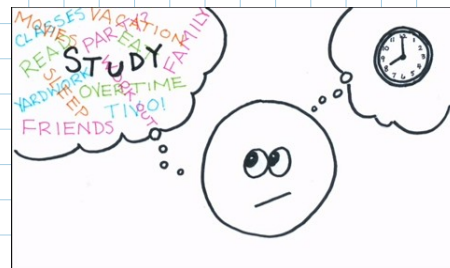
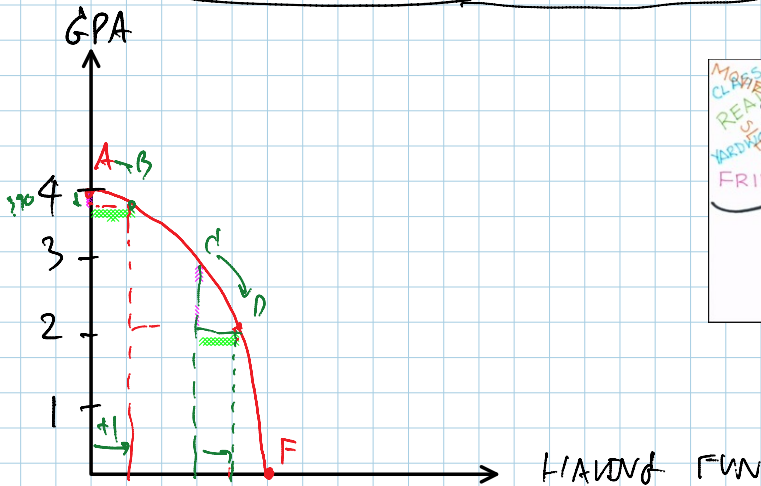
LAND WHICH SOME ARE SUITABLE FOR PRODUCING RICE AND SOME ARE SUITABLE FOR MAKING WINE



Q: CAN AN PPF SHIFT?
 A: YES, IT COULD.



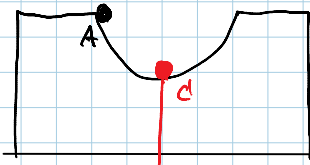
APPLICATION TO YOUR LIFE ON THE UNIVERSITY



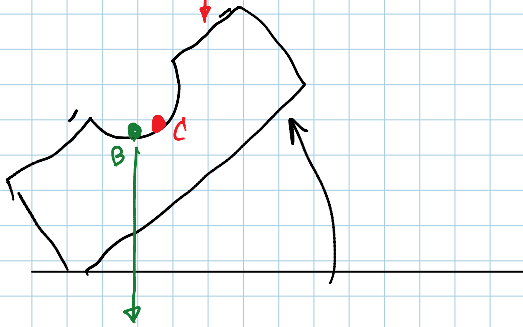
TOOLS USED IN MICROECONOMICS

① EQUILIBRIUM ANALYSES

- BALL AT POINT C IS IN AN EQUILIBRIUM.



AN EQUILIBRIUM IS A STATE OR A CONDITION THAT CONTINUES INDEFINITELY AS LONG AS NO OUTSIDE FACTORS "UPSET" THIS EQUILIBRIUM.



- BALL AT POINT C IS NO LONGER AN EQUILIBRIUM

- BALL AT POINT B IS IN AN EQUILIBRIUM.

EX: PASSPORT CONTROL

A	B	C	D	E	F	G
●	●	●	●	●	●	●
x	x			x	x	x
x	x			x	x	x
x	x			x	x	x
x	x			x	x	x
y	x			x	x	x
y	x			x	x	x

