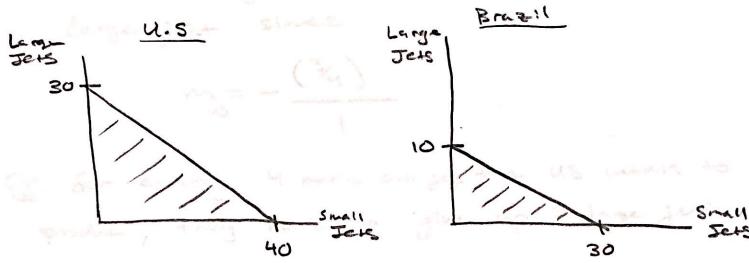
Stide 4: How Comparative advantage

Creaks gains from truck: PPFS

Comparative Advantage

**Trade



what are their unique opportunity custs?

U.S.

Using,
$$y = mx + b$$
 $y = mx + b$
 $y = mx + b$

whates milie our trade of ratio)?

=> plug in a point that is not the intercept:

take
$$(40,0)$$
=7 $0 = m(40) + 30$
 $-30 = m(40)$

$$\Rightarrow y = -\frac{3}{4}x + 30$$

what does this tell us?

1) For every I more small jet the US wants to produce they will have to give up 34 a large jet since

Or, for every 4 more small jets the US warnes to produce, they have to give up 3 large jets.

For every I more small jet Brazil wants to produce, they will have to give up 1/3 a large jet since $\int_{8mz!l} \frac{(1/3)}{1}$

of, Sor every 3 more small jets Brazil wants to produce, they will have to give up I large jets

Question: who has the comparative advantage of producing small jets?

Answer: Boazil, because their opportunity cost of

producing I more small just is smaller than the

USS. => 1/3/4

Slide 9: When will trade happen?

Trade happens when the "price" of the good you are Obtaing is less than the opportunity cost it has of producing the good you are trading for.

large jet. Therefore, the us win be wining to trade for a small jet iff the "price" for the small jet iff the "price" for

=> Trade is Psmall Tex Copportunity cost of producing small jet

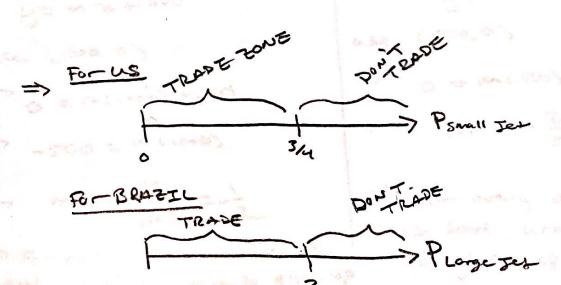
=> Trade occurce where

0 4 Penaltjer L 3/4 a longe Jet Son US.

Similarly, Tracke occurred for Brazil iss

0 EPLETALETET L3 SMALL JETS

siner m = -1

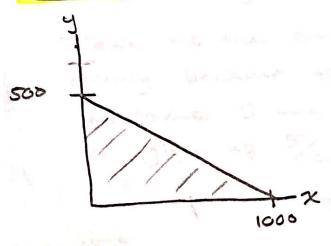


Slide 11: Learn By Doing (LBD) #7

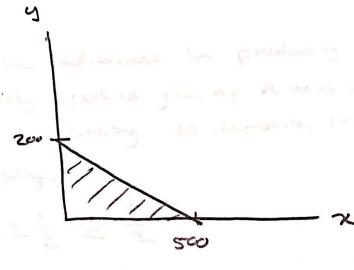
Step 1: what are your two points to plot?

Let, x = soud, y = clothing

Step 2: Plot



Urbania



$$= \frac{500}{1000} = \frac{1}{2}$$

$$= -\frac{200}{500} = -\frac{2}{5}$$

With that said, less assume that each country has the same amount or workers. Texta has the absolute advantage in producing both small jets & large jets. Slide 12:

Urbania has the comparative advantage in producing soud because they only give 3/5 doring to Texta's 1/2 closuing.

Texa has the comparative advantage in producing clothing because they only need to give up 2 units as seed to produce I were unit of clothing to urbania having to give up 5/2 clothing.

Bretil =
$$\frac{5}{2} = 2.5$$
 apples

Tomatocs

Tomatocs

A

Tomatocs

y= mx + a y= mx + 2.5 =1@ (2.5.0) => @ (5,0) 0 = m(2.5) +2 0 = m(5) +2,5 m=-4 => m= - - -=> For every 1 more Apple Austalia & Bazill want to produce, they will have to give up = \$ tomeroes, respectivly. => Australia has the comporative advantage in producing apples -=> For every I more forestore A & B want to produce, they will have to give up 2 3 = apple, respectivly => Brazil has the componentive advantage in producing tomatoes.