#### Trablishad Chopce

## Underlying Assumptions about Preferences

Completeness 7 all accisions available
more is better
Transitivity 7 A = B and B > C thus A > C
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y This can dimmess.

## Indifference Curves and Areferences

different combinations W/ equal Visity
Nerfect complements us perfect substitutes
Emperfect substitutes have marginal returns
Curves cannot cross

Utility functions, marginal VI-9194, and the MRS

Marginal Utility = der Evative MRS = mux/mvy

# Budget Constraints

budget line=MP, X+P, Y + P, Y = Cost of X+Y

X+y=Q+y, of X+Y

M=budget construent

# Indflidual chafce

#### Interpretation of the solution of the Individual's choice Problem

MRSxy=Px = Px = OPFEM 2194y Condifficon

## Price Changes and Income shifts

Substitution effect: induced by Price Change income effect = change in Anochasing Power Giffen Good = Substitution to income to = income wins

## Indevidual charce- The Colonlas Versian

 $\sqrt{\alpha x}_{x,y} \quad V(x,y) \quad \text{fubtect to } P_x X + P_y Y \leq M$   $V(x, \frac{m}{r_y} - \frac{P_x}{R}X)$ 

Lagrange multiplier L= U(x, y) + x[m-xx-p,y] use system & equations to solve I