

Jan 31

* Put tax incentives to encourage companies to go there

Bad Internet Coverage

Figuring out input

- * Determining the critical locations to deploy satellite/wifi points
- * Figuring out the needs/problems for companies & people

Algo

~~Algo~~
Objectives

- * Regulating the min. speed for new infrastructure

Figuring out the output

Good Internet Coverage

Stable matching (marriage)

n women

$$W = \{w_1, w_2, \dots, w_n\}$$

n men

$$M = \{m_1, m_2, \dots, m_n\}$$

n=2

$$W = \{JA, AJ\}$$

$$M = \{BP, BT\}$$

Def (matching) A subset $S \subseteq M \times W = \{(m, w) \mid m \in M, w \in W\}$

is a matching if

(i) $\forall w \in W, \exists$ at most one man $m \in M, (m, w) \in S$

AND

(ii) $\forall m \in M, \exists$ at most one woman $w \in W, (m, w) \in S$

Def (perfect matching) at most \leftarrow EXACTLY

BP — JA

BBT — AJ

M_v P_v

BP — JA

BBT — AJ

M_x P_x

BP — JA

BBT — AJ

M_v P_x