

2800 to 3000 NEED NICE
PICKUP

30000 20000 700 GMS 100

2-8 APR 15 20000 20000 20000 20000

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$$= \sum_{\substack{\text{OPT} \\ \text{points covered on} \\ \text{open}}} \text{Overlap}_G(v) \neq \sum_{\text{OPT}} \text{Overlap}(G) = \max_{\substack{\text{open} \\ \text{EV}}} \text{Overlap}_G(v) \quad (\text{in } \text{Overlap}_G(v))$$

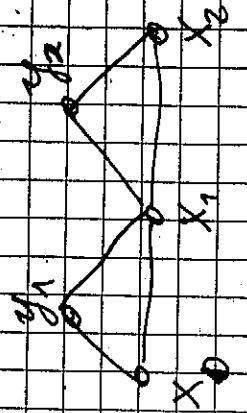
$$\rightarrow = |\text{OPT}| \cdot \text{Overlap}(G_{\text{opt}}) = |\text{OPT}| \cdot B$$

$$|X| \leq |\text{OPT}| \cdot B$$

. OPT is B \rightarrow $B - 2 \cdot B$ \rightarrow $1/2$ \rightarrow $1/2$
 OPT \rightarrow B \rightarrow $1/2$ \rightarrow $1/2$ \rightarrow $1/2$
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2020 03 03



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need of graph

graph

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$H = \{ (x_0, x_1), (x_0, x_2), (x_1, x_3), (x_2, x_3), (x_0, x_3) \}$
 graph

$$d_G(u, v) = d_G(v, u)$$

$$d_G(x_0, x_2) = 2$$

$$d_G(x_0, x_1) = 1$$

$$d_G(x_0, x_2) \neq d_G(x_1, x_3) + 1$$

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100% 100% 100% 100% 100% 100%

2.

$n = 1, 2, \dots, \infty$

$$P(X \geq n) = \sum_{k=n}^{\infty} p^{k-1} (1-p) = (1-p) \cdot \frac{1-p^{n-1}}{1-p} = 1 - p^{n-1}$$

$$P(X \geq n+1 | X \geq n) = \frac{P(X \geq n+1) \cap (X \geq n)}{P(X \geq n)} =$$

$$= \frac{1 - p^n}{1 - p^{n-1}} = \frac{1-p^n}{1-p^{n-1}} = 1-p$$

1-p

100%