



2 $\mathbb{E}$  H  $\mathbb{E}$ ka $\mathbb{X}$  XI  $\mathbb{X}$ aB' Xb $\mathbb{e}$  H  $\mathbb{H}$ a $\mathbb{V}$ a $\mathbb{e}$  XI  $\mathbb{a}$ E $^{-1}$ (U) $\mathbb{H}$ X H' kka $\mathbb{h}$  " ók  $\mathbb{X}$ k $\mathbb{E}$   $\mathbb{E}$ j'  $\mathbb{H}$ h $\mathbb{h}$  " k'  $\mathbb{E}$ em $\mathbb{k}$  kó hóXk $\mathbb{r}$ a  
6 $\mathbb{E}$   $\mathbb{I}$  $\mathbb{U}$ a $\mathbb{O}$ "  $\mathbb{e}$  H' kka $\mathbb{h}$  " ó $\mathbb{e}$   $\mathbb{X}$ k $\mathbb{E}$   $\mathbb{I}$  $\mathbb{U}$ aB'' H $\mathbb{X}$   $\mathbb{U}$ X $\mathbb{I}$   $\mathbb{a}$   $\mathbb{E}$  $\mathbb{X}$ h $\mathbb{h}$  "  $\mathbb{E}$   $\mathbb{I}$ '  $\mathbb{e}$   $\mathbb{I}$ a $\mathbb{V}$ a $\mathbb{e}$  X $\mathbb{I}$   $\mathbb{U}$ X $\mathbb{E}$  H  $\mathbb{H}$ a $\mathbb{V}$ a $\mathbb{e}$  X $\mathbb{I}$   $\mathbb{H}$ ó $\mathbb{I}$   
 $\mathbb{e}$  X $\mathbb{I}$   $\mathbb{X}$   $\mathbb{X}$ k $\mathbb{X}$   $\mathbb{X}$ ó $\mathbb{e}$   $\mathbb{I}$ a $\mathbb{V}$ a $\mathbb{O}$  H  $\mathbb{I}$  X $\mathbb{E}$  H  $\mathbb{H}$ a $\mathbb{V}$ a $\mathbb{e}$  X $\mathbb{E}$   $\mathbb{I}$ a $\mathbb{V}$ a $\mathbb{E}$ h

[illegible]

$$^6 \hat{\eta}_3 \mathbb{H}_3 \dagger \quad \acute{o}_{\S} 6 \ddot{E} \mathbb{I} \mathbb{I}'' \quad B \in Q : B \subset S \wedge |B| \leq \frac{|S|}{2}$$

$$^8 \hat{\eta} \hat{E} \hat{\alpha} \hat{H} \hat{A} \hat{W} \hat{W} \hat{B} \hat{\otimes} \hat{Q} \hat{\imath} \text{ " e } split(S - B, split(B, Q))$$

$O(mn)\hat{n}$

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gốH.H' ɛn] ʌ̄X

$$\forall x \in U |E(\{x\})| = 1, \text{ cioè } \forall x \exists! y \in U : E(x, y) \quad (1)$$

$$g_a Q \otimes_{\mathbb{H}} H^{\otimes n} \otimes_{\mathbb{H}} S = \cup_{i=1}^n b_i \text{ where } b_i \in Q \otimes_{\mathbb{H}} H^{\otimes n} \otimes_{\mathbb{H}} S$$
 $2\text{H}^+$ 

$split(B, Q)$  è stabile rispetto a  $S - B$

$$\exists n \in \mathbb{N} \text{ s.t. } B_1 \in Q_n$$

- $\kappa X B_1 \text{ XH } \acute{o} \in 6 \tilde{E} \setminus \setminus " \mid \tilde{a} Q \text{ n} \tilde{a} \text{ k} \text{m} 6 \tilde{a} \text{ XH XH} \text{ } B \text{ H} \tilde{o} \tilde{a} \tilde{B}_1 \text{ e} " \in \text{X} \setminus \text{H} \text{ } \check{h} 6 \tilde{a} \text{ m} \text{H} \tilde{H} \text{ } \tilde{E} \text{H}$ 
  - $B_1 \subset E^{-1}(B) \implies B_1 \cap E^{-1}(S - B) = \emptyset \text{ XH XH } \tilde{U} \text{X} \setminus B \cap S - B = \emptyset \text{ XH XH } \tilde{E} \text{H} \text{ } \text{m} \tilde{a} \tilde{a}(1)$
  - $B_1 \cap E^{-1}(B) = \emptyset \text{H} \tilde{E} \tilde{a} " \text{H} \text{ } \text{e} \setminus " \setminus \tilde{U} \text{X} B_1 \text{ XH } \text{n} \tilde{a} \text{ } \acute{o} \in 6 \tilde{E} \setminus \setminus " \mid \tilde{a} Q \text{ k} \text{m} 6 \tilde{a} \text{ XH XH} \text{ } S$ 
    - $\hat{O} " \in \text{H} \tilde{o} B \text{ Xk XH } B_1 \subset E^{-1}(S) \text{H} \text{XH } \tilde{U} \text{X} \setminus B_1 \cap E^{-1}(B) = \emptyset \text{ X} B \subset S$
    - $B_1 \cap E^{-1}(S) = \emptyset \implies B_1 \cap E^{-1}(S - B) = \emptyset$
- $\kappa X B_1 \text{ Xk} \text{m} \text{H} \text{ n} \text{X} \text{e} \text{XH} \text{H} \mid \acute{o} \in " \tilde{Q} \setminus \tilde{Q}$ 
  - $B_1 = \tilde{B} \cap E^{-1}(B) \text{H} \text{XH} \text{H} \tilde{o} \text{ } \tilde{E} \tilde{U} \text{X} 6 \tilde{E} \setminus \setminus " \tilde{B} \in Q \implies \mid \text{X} \text{X} \text{Xk XH } \setminus \tilde{U} \tilde{a} \text{H} \check{h} \text{X} \text{e} \text{m} \text{X}$   
 $B_1 \cap E^{-1}(S - B) = \emptyset \text{H} \text{XH} \tilde{E} \text{H} \text{H}$
  - $B_1 = \tilde{B} - E^{-1}(B) \text{H} \text{XH} \text{H} \tilde{o} \text{ } \tilde{E} \tilde{U} \text{X} 6 \tilde{E} \setminus \setminus " \tilde{B} \in Q$ 
    - $\tilde{B} \subset E^{-1}(S) \implies \tilde{B} - E^{-1}(B) \subset E^{-1}(S - B)$

- $\widetilde{B} \cap E^{-1}(S) = \emptyset \implies \widetilde{B} \cap E^{-1}(B) = \emptyset \implies B_1 = \widetilde{B} - E^{-1}(B) = \widetilde{B}$   
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