

Prer  $A = [-j, j]^d$  je  $A^\circ = (-d, d)^j$

Prer  $B = \{x \in \mathbb{R}^d : \text{dist}(x, C^c) \geq \frac{1}{j}\}$

je  $B^\circ = \{x \in \mathbb{R}^d : \text{dist}(x, C^c) > \frac{1}{j}\}$

(nit interval dolo)

$$(A \cap B)^\circ = A^\circ \cap B^\circ$$

~~nit interval~~ (dalsi interval)

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Dokazite, ze prer  $C \subseteq \mathbb{R}^d$ ,  $r > 0$ ,

$B = \{x \in \mathbb{R}^d : \text{dist}(x, C) \geq r\}$

je  $B^\circ = \{x \in \mathbb{R}^d : \text{dist}(x, C) > r\}$