

HĚJME GRAF  $G$ . KOLIK HRAN MUSÍME  
Z GRAFU  $G$  ODSTRANIT, ABY VZNIKLA KOSTRA  
GRAFU  $G$ ?

$$A) G = K_n$$

$$|E(T)| = n - 1$$

$$|E(K_n)| = \binom{n}{2} = \frac{n(n-1)}{2}$$

$$\frac{n(n-1)}{2} - (n-1) = \frac{n(n-1)}{2} - \frac{2(n-1)}{2} =$$

$$\frac{n-1}{2} (n-2)$$

$$B) G = K_{n,n}$$

$$|E(K_{n,n})| = n \cdot n = n^2$$

$$|E(T)| = 2n - 1$$
$$n^2 - (2n - 1) = n^2 - 2n + 1 = (n - 1)^2$$

$$C) G = P_n$$

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