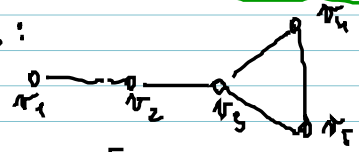
SESTAVTE METRIKU NÁSLEDUJÍCÍCH GRAFŮ

$V(G) = \{v_1, v_2, \ldots, v_n\}$

$M(G)$ je matice $n \times n$ kde na pozici (i,j): $dist_G(v_i, v_j)$

(1) G:

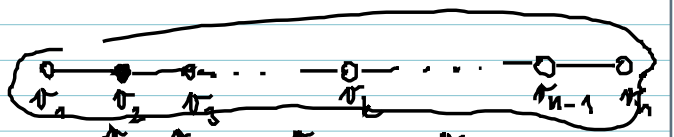


$$M(G) = \begin{bmatrix} 0 & 1 & 2 & 3 & 3 \\ 1 & 0 & 1 & 2 & 2 \\ 2 & 1 & 0 & 1 & 1 \\ 3 & 2 & 1 & 0 & 1 \\ 3 & 2 & 1 & 1 & 0 \end{bmatrix}$$

$M(K_n)$

$M(K_{m,n})$

2) P_n:



$$M(G) = \begin{array}{c|cccc} & v_1 & v_2 & v_k & v_n \\ v_1 & 0 & 1 & k-1 & n-1 \\ v_2 & 1 & 0 & k-2 & n-2 \\ v_k & k-1 & k-2 & 0 & n-k \\ v_n & n-1 & n-2 & n-k & 0 \end{array}$$

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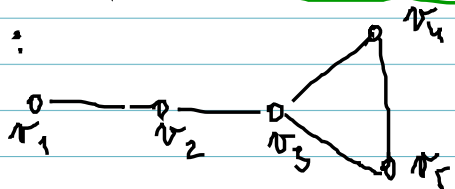
1) G:

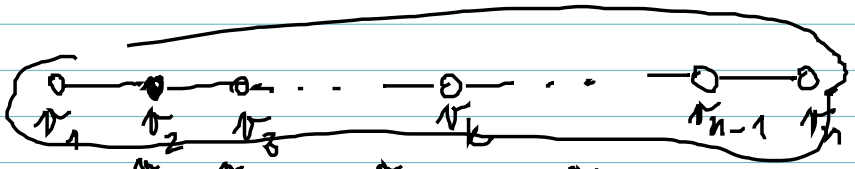


$$M(G) = \begin{bmatrix} 0 & 1 & 2 & 3 & 3 \\ 1 & 0 & 1 & 2 & 2 \\ 2 & 1 & 0 & 1 & 1 \\ 3 & 2 & 1 & 0 & 1 \\ 3 & 2 & 1 & 1 & 0 \end{bmatrix}$$

$M(K_n)$

$M(K_{m,n})$

2) P_n:



$M(G) =$

	v_1	v_2	v_k	v_n
v_1	0	1	$k-1$	$n-1$
v_2	1	0	$k-2$	$n-2$
v_k	$k-1$	$k-2$	0	$n-k$
v_n	$n-1$	$n-2$	$n-k$	0