



$\text{ALG} = s \rightarrow v'_{d-1} \rightarrow v_d \rightarrow t; \text{cost}(\text{ALG}) = d$

$\text{OPT} = s \rightarrow v_1 \rightarrow v_2 \cdots \rightarrow v_d \rightarrow t; \text{cost}(\text{OPT}) = d^{1/p}$

