$k=1$

$T=\{1\}$

$L(2)=w(1,2)=2$

$L(3)=w(1,3)=5$

$L(4)=w(1,4)=1$

$L(5)=w(1,5)=\infty$

$L(6)=w(1,6)=\infty$

$k=2$

$L(x)=\min_{j\notin T} L(j) \Rightarrow L(4) \Rightarrow x=4$

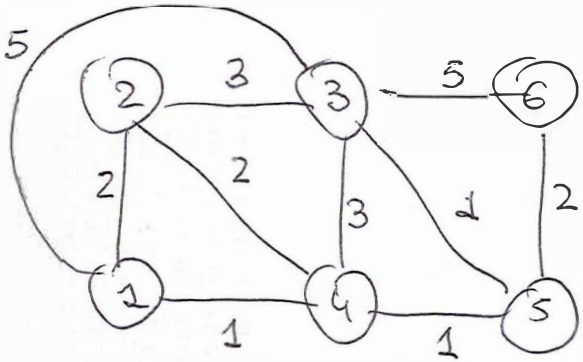
$T=\{1,4\}$

$L(2)=\min[L(2), L(4)+w(4,2)]=2$

$L(3)=\min[L(3), L(4)+w(4,3)]=4$

$L(5)=\min[L(5), L(4)+w(4,5)]=2$

$L(6)=\min[L(6), L(4)+w(4,6)]=\infty$



$k=3$

$L(x)=\min_{j\notin T} L(j)=L(2) \Rightarrow x=2$

$T=\{1,4,2\}$

$L(3)=\min[L(3), L(2)+w(2,3)]=4$

$L(5)=\min[L(5), L(2)+w(2,5)]=2$

$L(6)=\min[L(6), L(2)+w(2,6)]=\infty$

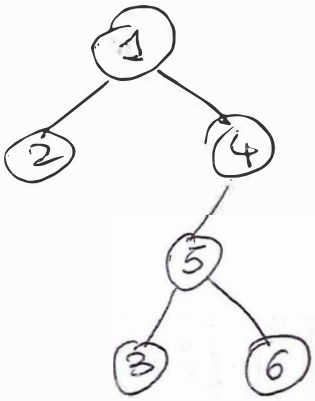
$k=4$

$L(x)=L(5) \quad x=5$

$T=\{1,4,2,5\}$

$L(3)=\min[L(3), L(5)+w(5,3)]=3$

$L(6)=\min[L(6), L(5)+w(5,6)]=4$



$k=5$

$L(x)=L(3) \quad x=3$

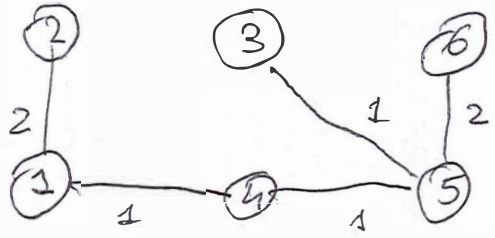
$T=\{1,4,2,5,3\}$

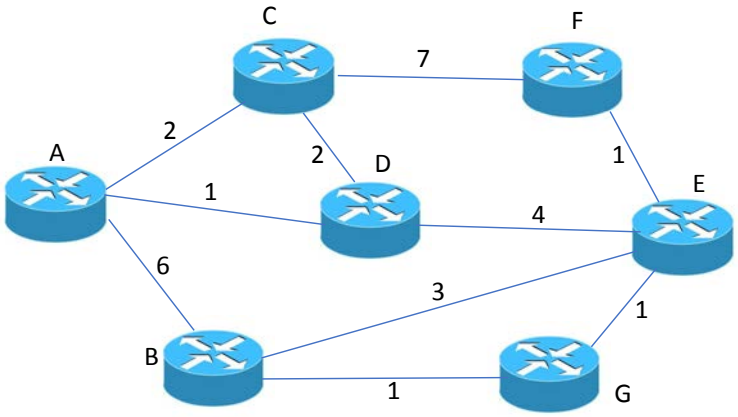
$L(6)=\min[L(6), L(3)+w(3,6)]=4$

$k=6$

$L(x)=L(6) \quad x=6$

$T=\{1,4,2,5,3,6\}$





ALGORITMO DI DIJKSTRA

	A	B	C	D	E	F	G
F	**∞**	**∞**	7/F	**∞**	**1/F**	//	**∞**
FE	**∞**	4/E	7/F	5/E	//	//	**2/E**
FEG	**∞**	**3/G**	7/F	5/E	//	//	//
FEGB	9/B	//	7/F	**5/E**	//	//	//
FEGBD	**6/D**	//	7/F	//	//	//	//
FEGBDA	//	//	**7/F**	//	//	//	//
FEGBDAC	//	//	//	//	//	//	//

MST

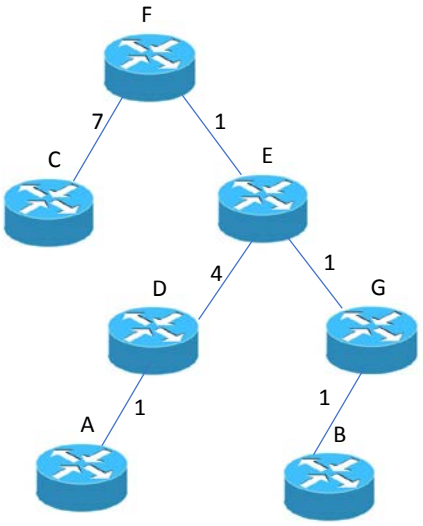


TABELLA DI ROUTING DI F

TO	NEXT	COST
C	C	7
E	E	1
D	E	5
G	E	2
A	E	6
B	E	3