		and the second
		3
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		4
*	Cook bylon Toon'	
	Spanning Tree:	-
=	It is a subset of Edges of the graph that	
	forms a tree where every node of the	
	graph is a pant of thee.	
7	So. Tree: 'n-node , then 'n-1'edges	· ·
=)	No Cala	
=)	No Cycle	
	All nodes are connected	
	A STATE OF THE STA	
	Graph: 0 2 O Spanning Tree: 0 2 O	=
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	9	
=	Also, $\frac{2}{2}$	7
		2)
	3 9 3 10 5	
	0 0 0	
=1	71	
	That means, a tree can have many	
W a va	spanning traces	=1
		=1
=1	So, minimum spanning down is that be	
	So, minimum spanning tree is that have min, weight out of every spanning tree	II.
	of every spanning help	
=)		
	Carll ward if we want min length	<b>1</b>
	In the real world if we want min length of something to connect things like	7

i i i		
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		nailway lines, cable lines, etc.
	*	Puimis Algoi
-		3 4 1 2
		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	=)	We will start from source and select the
- 17	7 n	min, path out of all available weighted edges & path.
)	٦	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
)		2 2 3 2 2 3
	ਹ	and so on —
		Q Q 4 <del>7</del>
		2 3 S
	=1	the state of the s
	21	Also, don't form any cyclo.  If you get any cyclo neject that path.
00,	=	we require a most array that gives us is used to check if that hade is part
th-	コ	de mot an not. We also require min-heap an priority queue.
7		