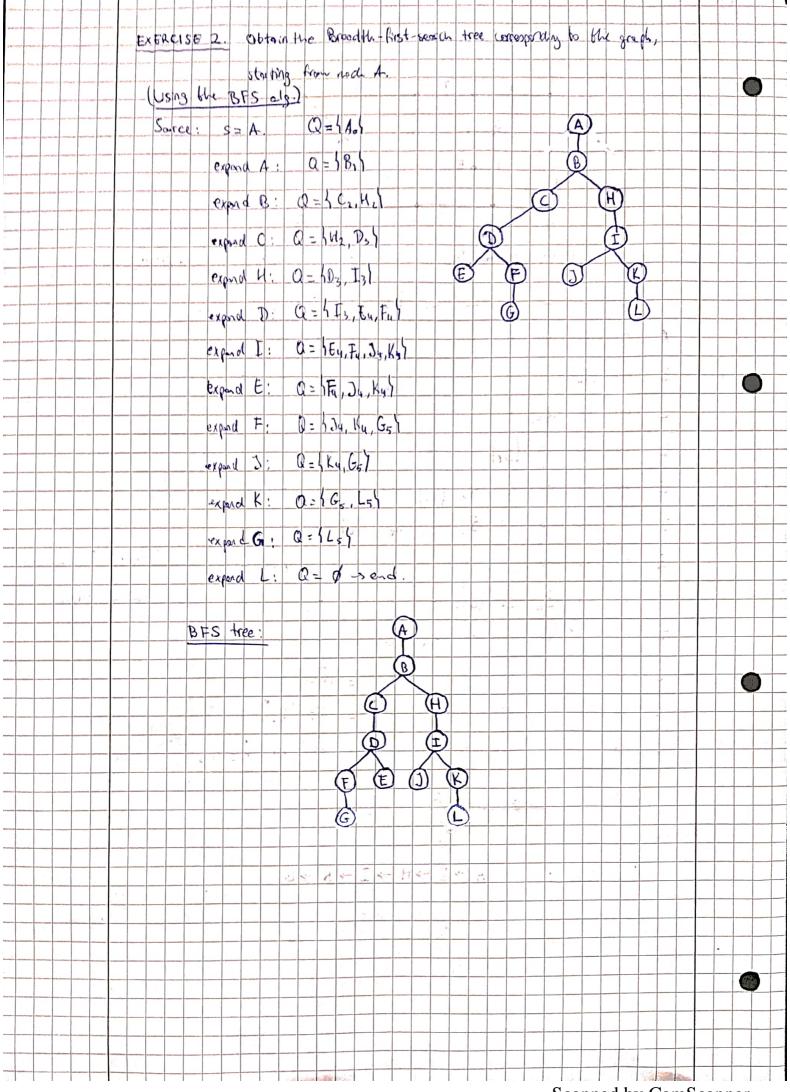
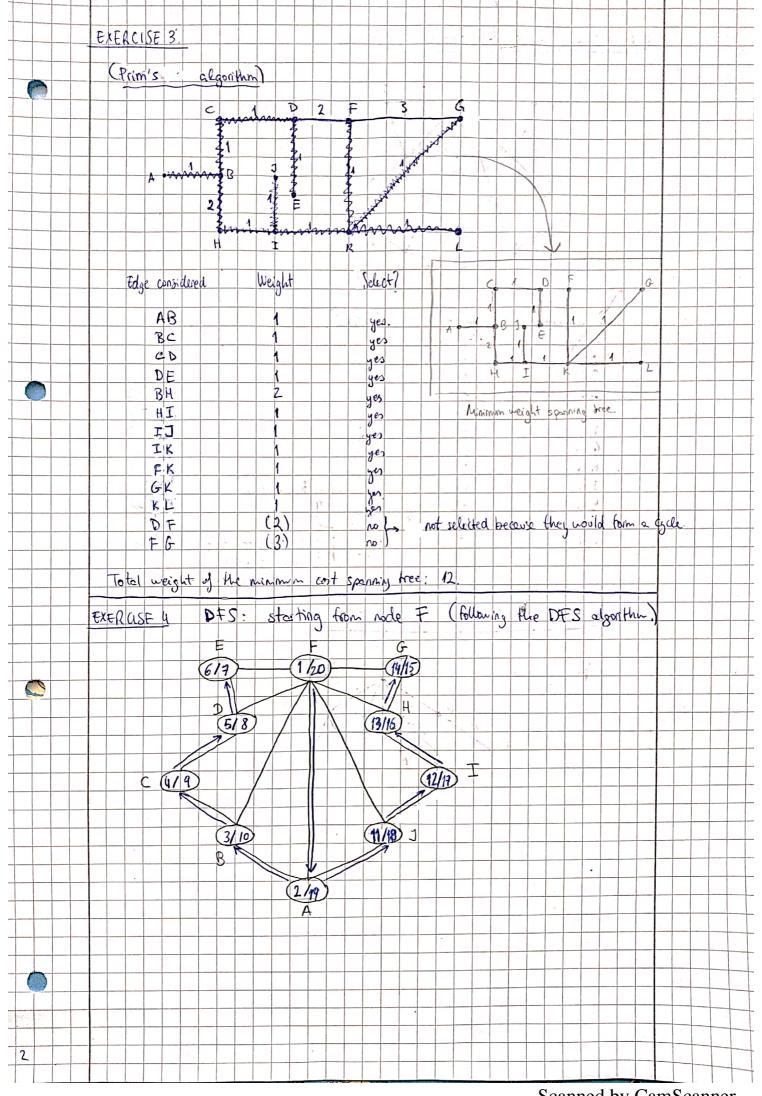


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from **node** a to **node** g, making use of Dijkstra's algorithm. Detail each of the steps of the algorithm in the table below, and indicate the optimal path and its weight. Use as many columns and rows in the table as necessary.

		¥								7
	Lo	Lı	L2	Lz	Lu	Ls	L6	L7		
A	(0)	_	_	_	_	_	-	_		
B	_ (∞	(14)	-	_	-	_	_	_		
C	æ	00	(2B)	_	_	_	~	-		
0	. ∞	∞	ø.	60	(5F)	_	-	_		
ŧ	∞	∞	∞	∞	24=	24F	24,	24=		
Ŧ	∞	20 _A	4 _e	(4B)	~	ı —	_	_		G is selected
G	∞	∞	∞	8	44,	५५ _६	64	(6H)E		so the procedule ends.
Н	∞	δ>	00	Ø	วี _F	(5F)	-	1		
I	∞	∞	∞	8	<i>∞</i>	∞	64	6,		
7	∞	204	20°A	20 _A	5 _F	5 _F	(5F)	ı	all all	
								- 1	10.70	

Optimal path:
$$A \rightarrow B \rightarrow F \rightarrow H \rightarrow G$$

1 + 3 + 1 + 1 = 6.

Weight of the optimal path: 6.

