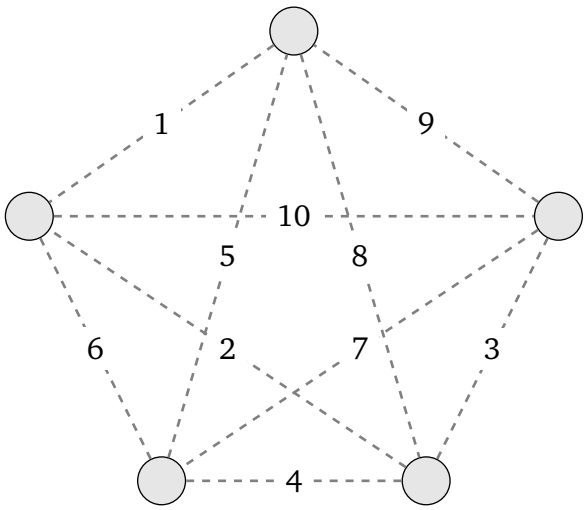
SPANNING TREES

TEXT: 12.10

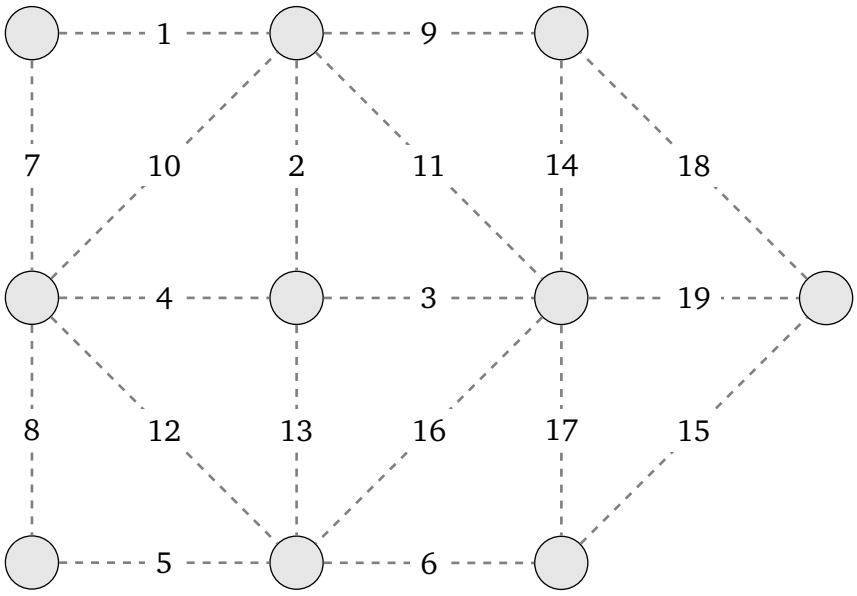
LAST NAME	FIRST NAME	DATE

1 (16 points)**.** Use the Kruskal's algorithm to find the minimum spanning tree for given graphs. For each solution, compute the weight of the spanning tree.

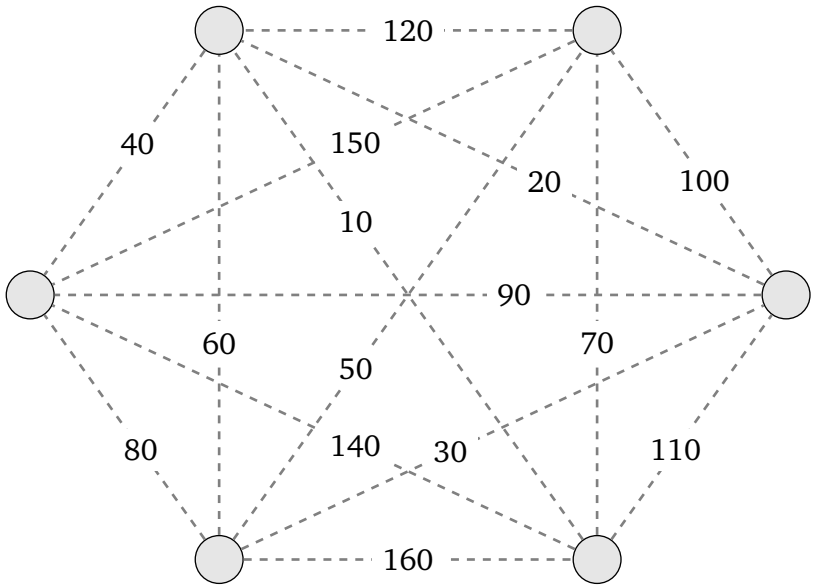
(a)



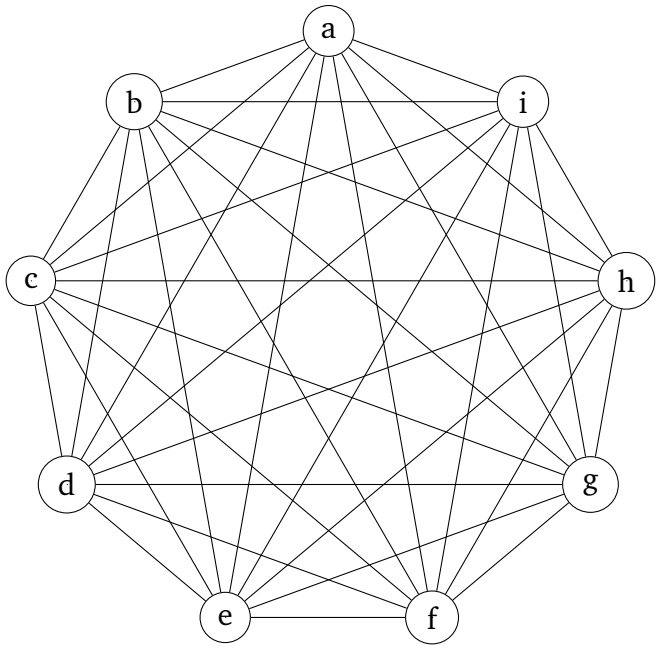
(b)



(c)



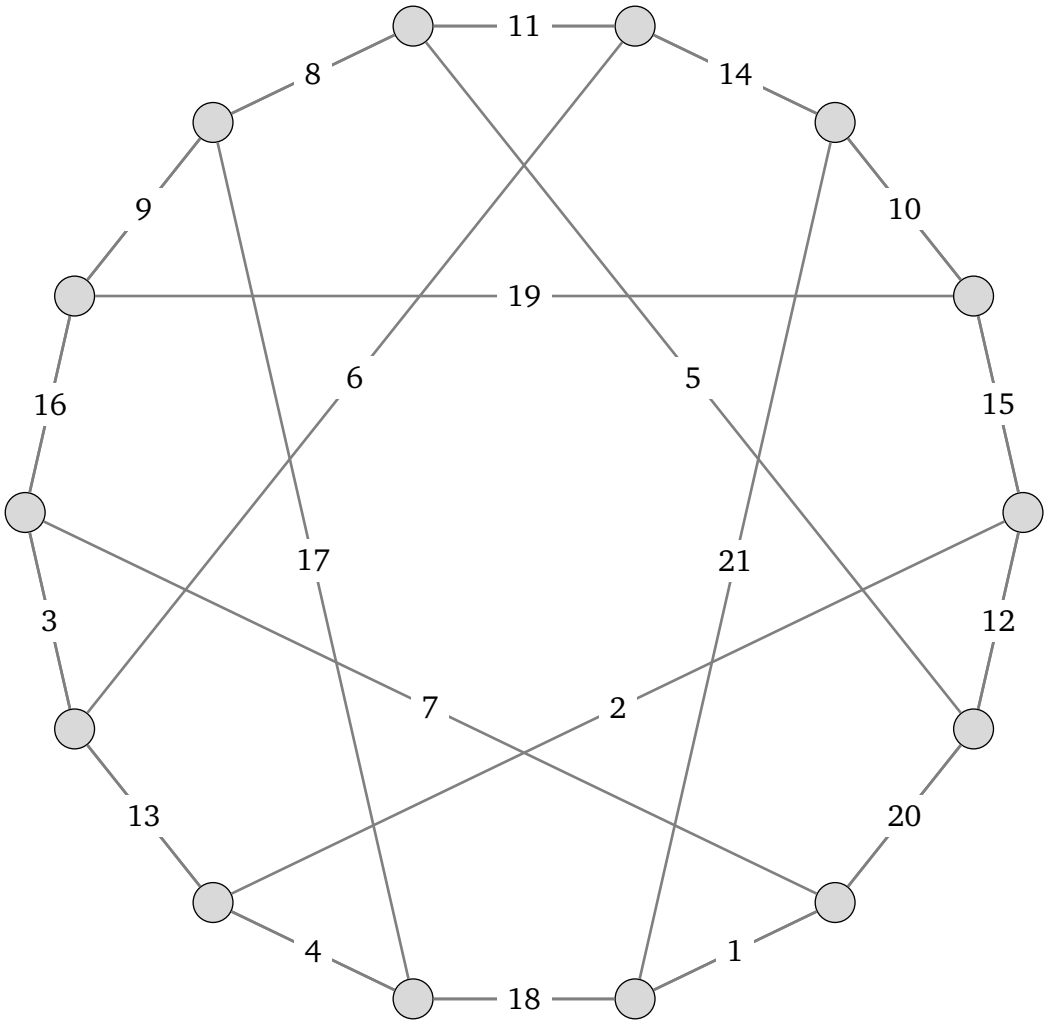
(d)



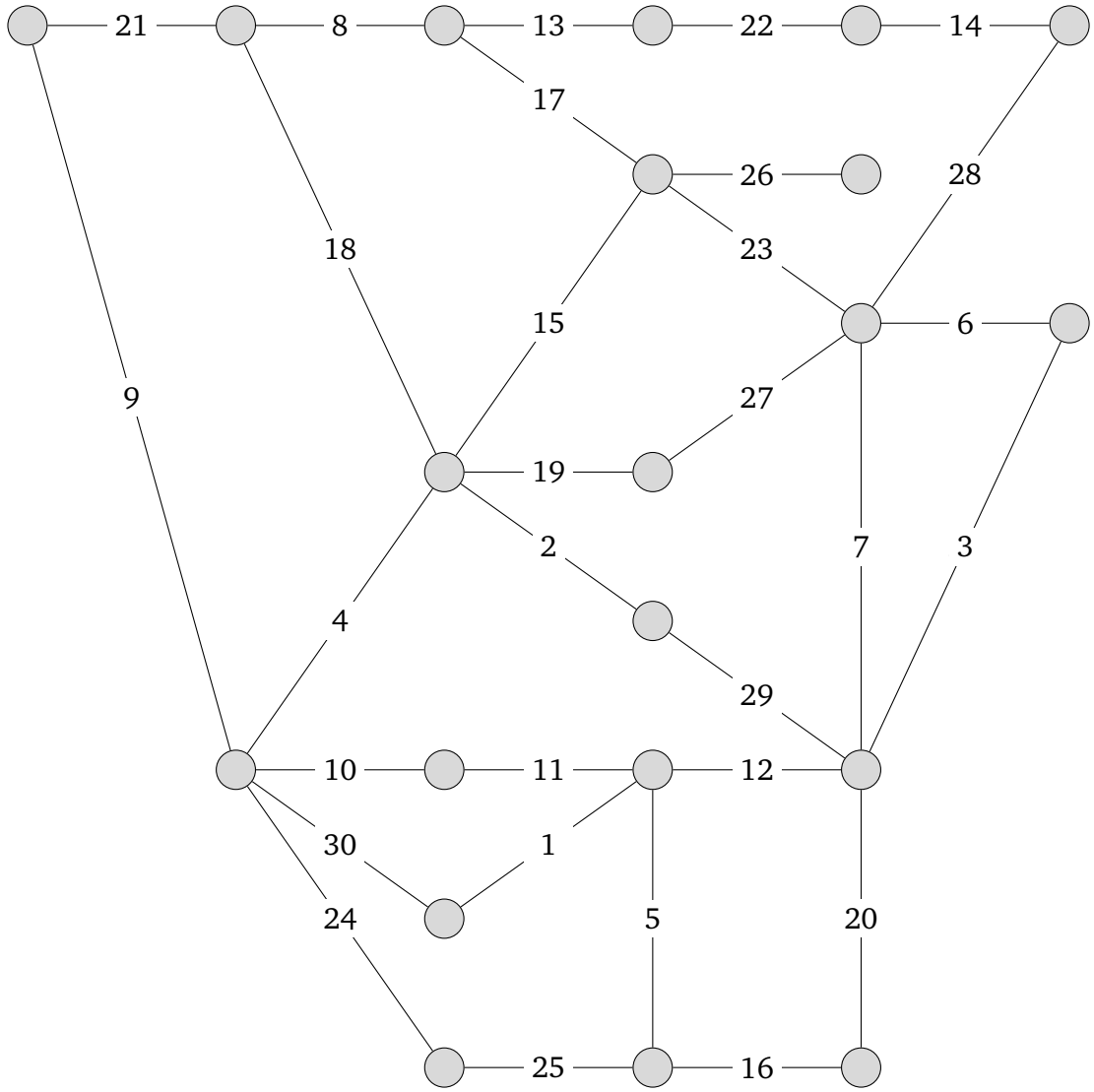
edge weights for graph (d):

dg	1
be	2
eh	3
cg	4
gh	5
ad	6
ah	7
de	8
ef	9
gi	10
ei	11
hi	12
af	13
ai	14
ab	15
ae	16
fh	17
fi	18
bg	19
bi	20
cd	21
dh	22
fg	23
bf	24
bh	25
ce	26
bc	27
ag	28
bd	29
cf	30
ac	31
ch	32
ci	33
df	34
di	35
eg	36

(e)



(f)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