

**Paper Reference 8FM0/27**  
**Pearson Edexcel Level 3 GCE**

# **Further Mathematics**

**Advanced Subsidiary**

**Further Mathematics options**

**27: Decision Mathematics 1**

**(Part of options D, F, H and K)**

## **Diagram Booklet**

**In the boxes below, write your name, centre number and candidate number.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## INSTRUCTIONS

There are two copies of each diagram in case you need them.

**THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE ANSWER BOOKLET AT THE END OF THE EXAMINATION.**

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Diagram 1

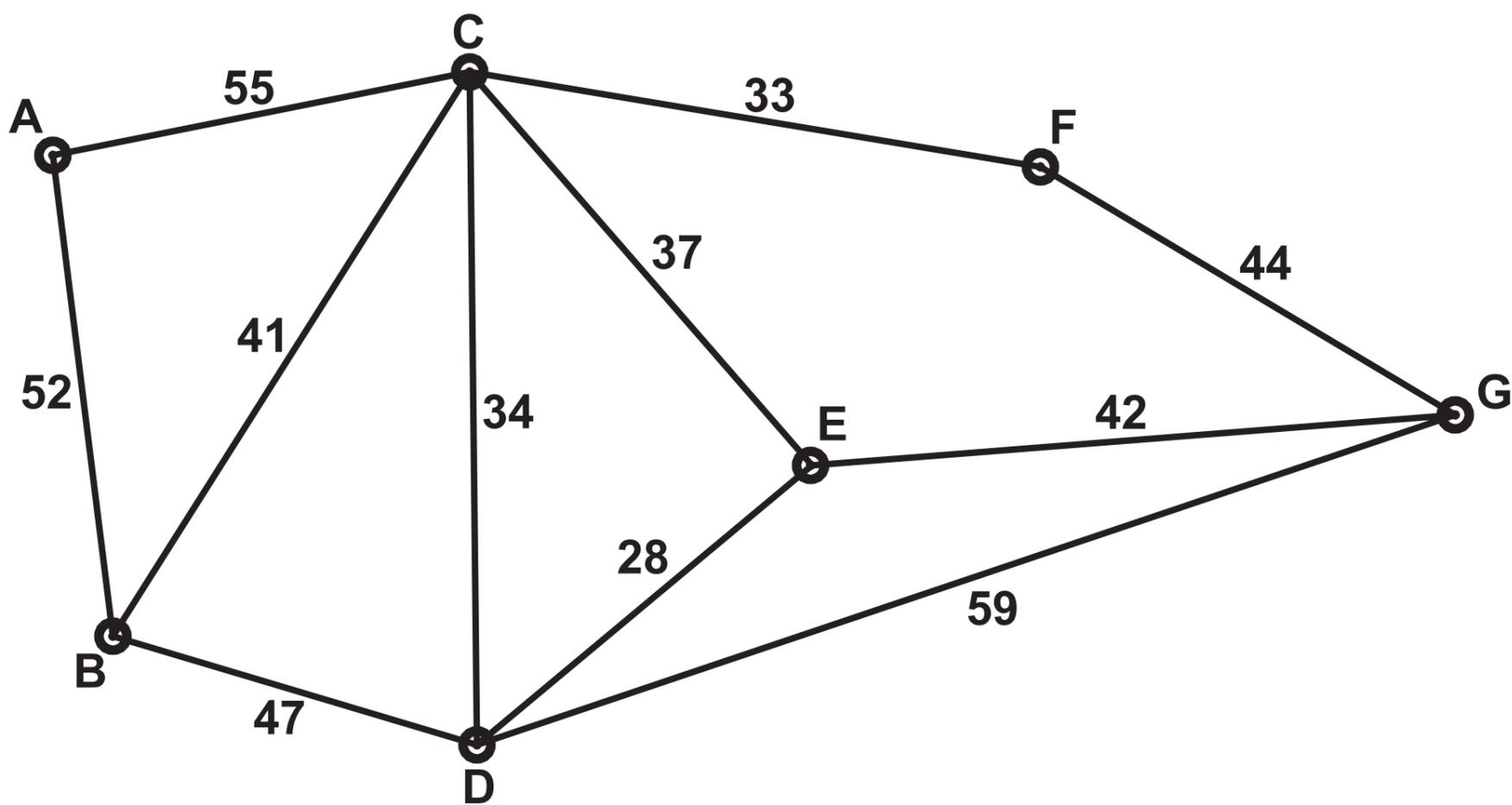


Diagram 1

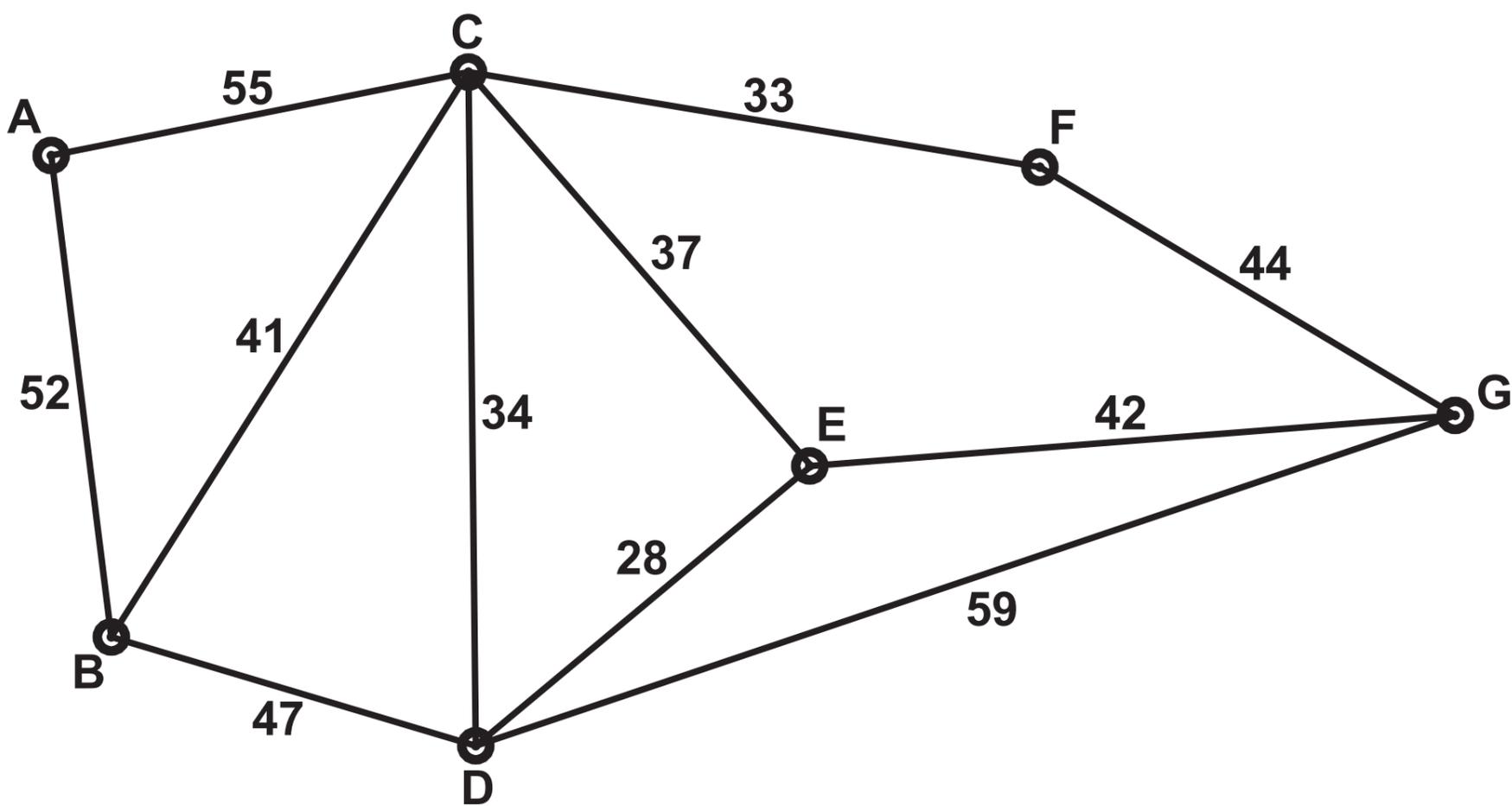


Diagram 2

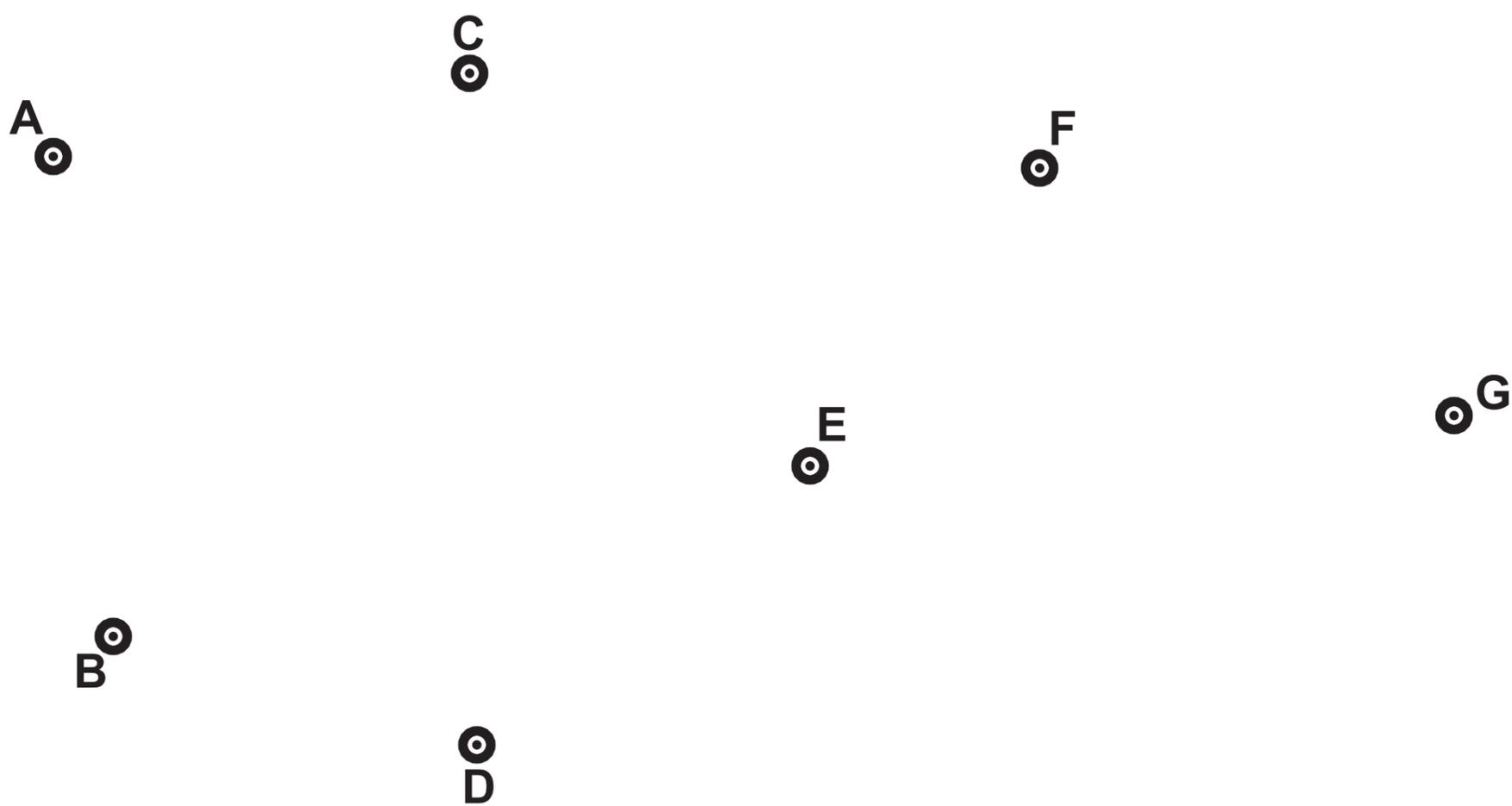


Diagram 2

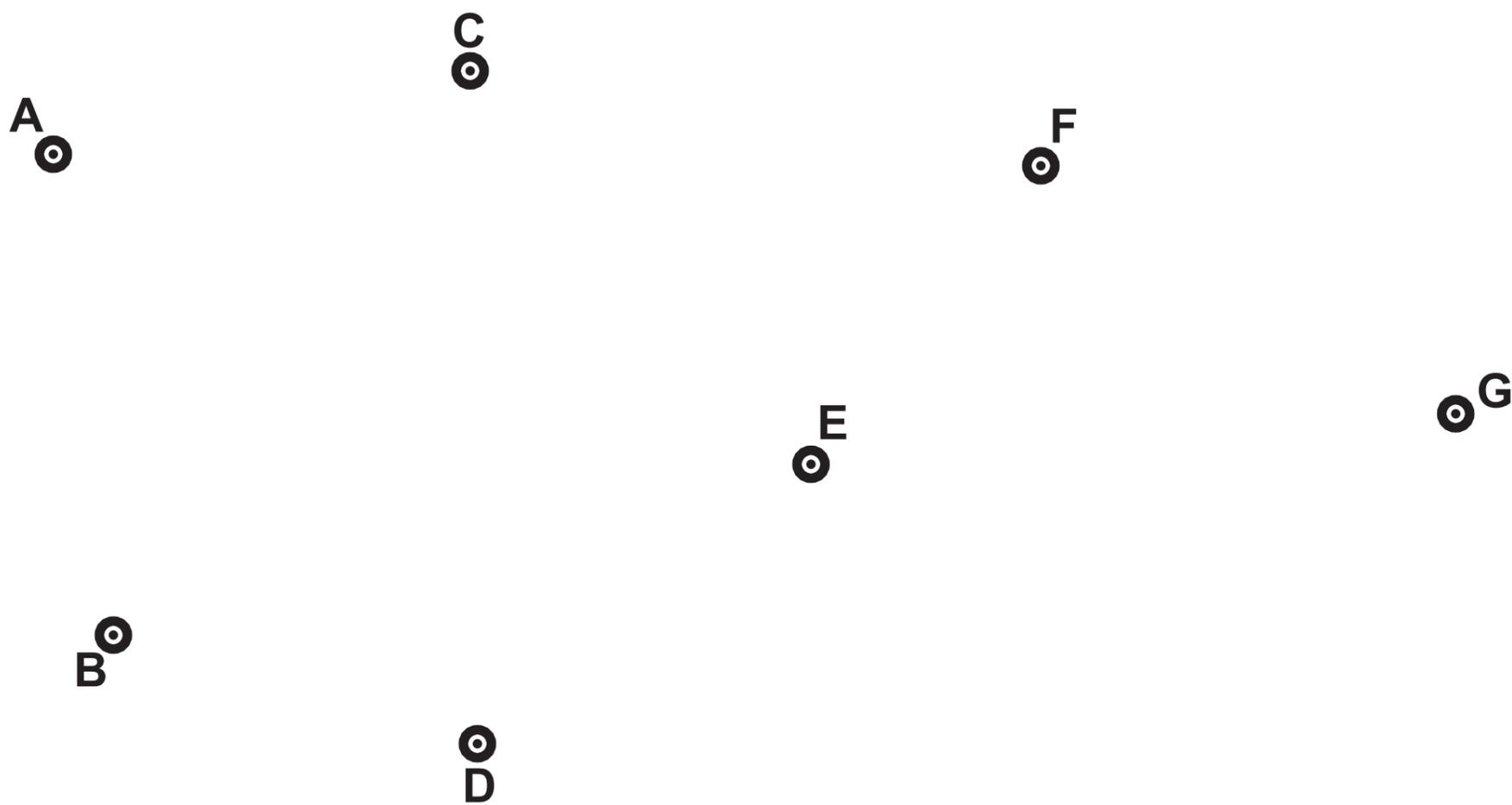


Diagram 3

Activity	Immediately preceding activities
A	-
B	-
C	-
D	-
E	A
F	A, B, C
G	C
H	C
I	E
J	E, F, G
K	D, H

Diagram 3

Activity	Immediately preceding activities
A	-
B	-
C	-
D	-
E	A
F	A, B, C
G	C
H	C
I	E
J	E, F, G
K	D, H

Diagram 4

[The total weight of the network is 120]

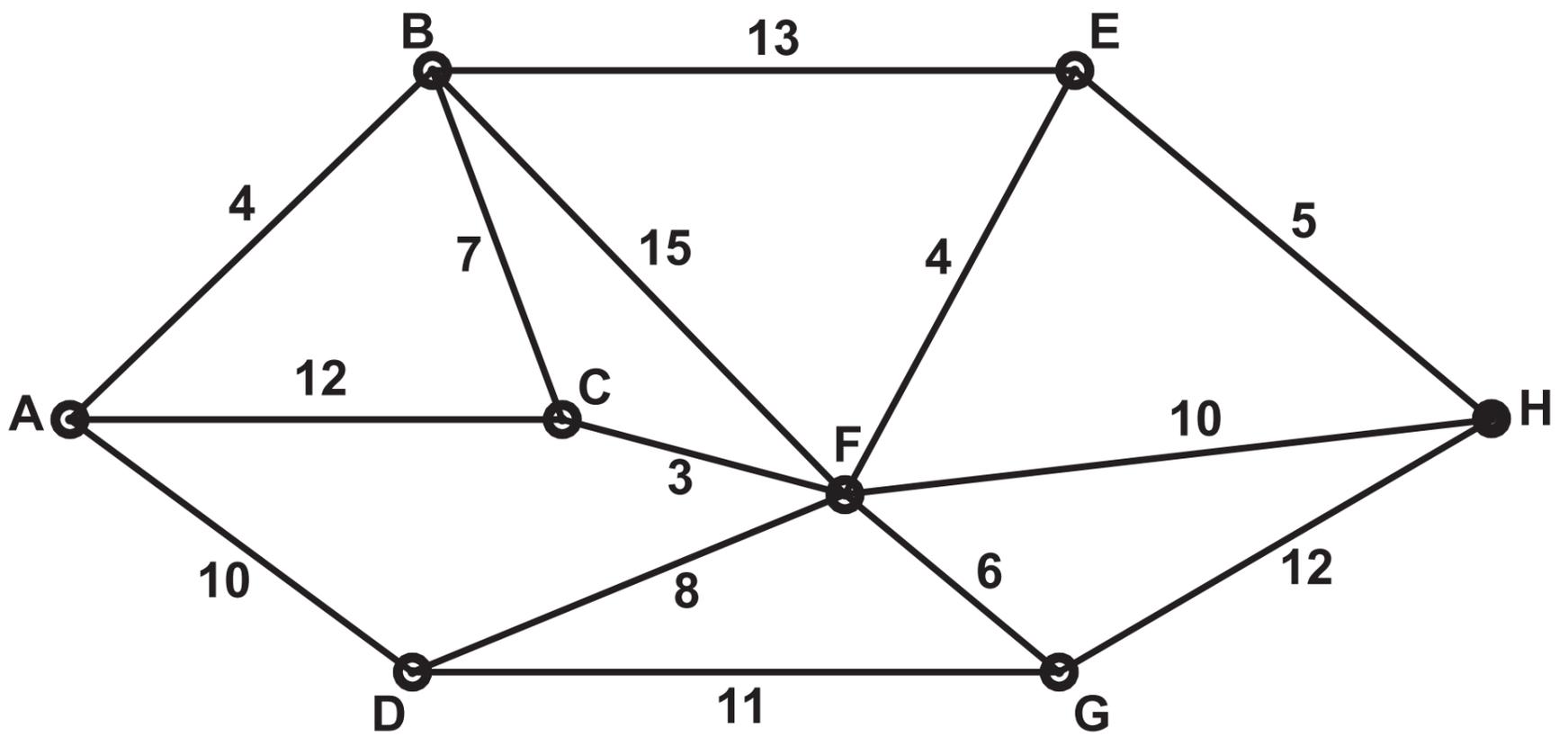


Diagram 4

[The total weight of the network is 120]

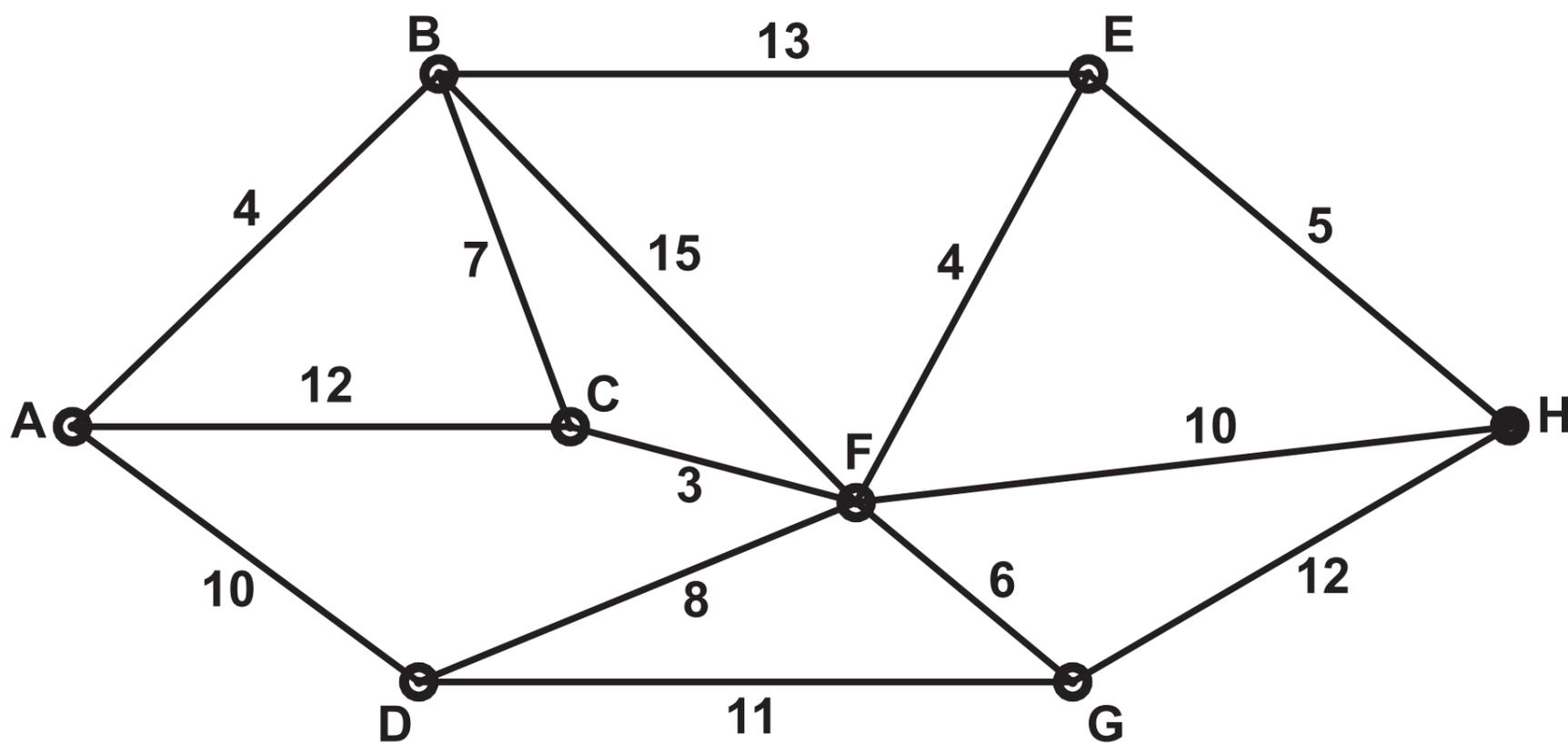
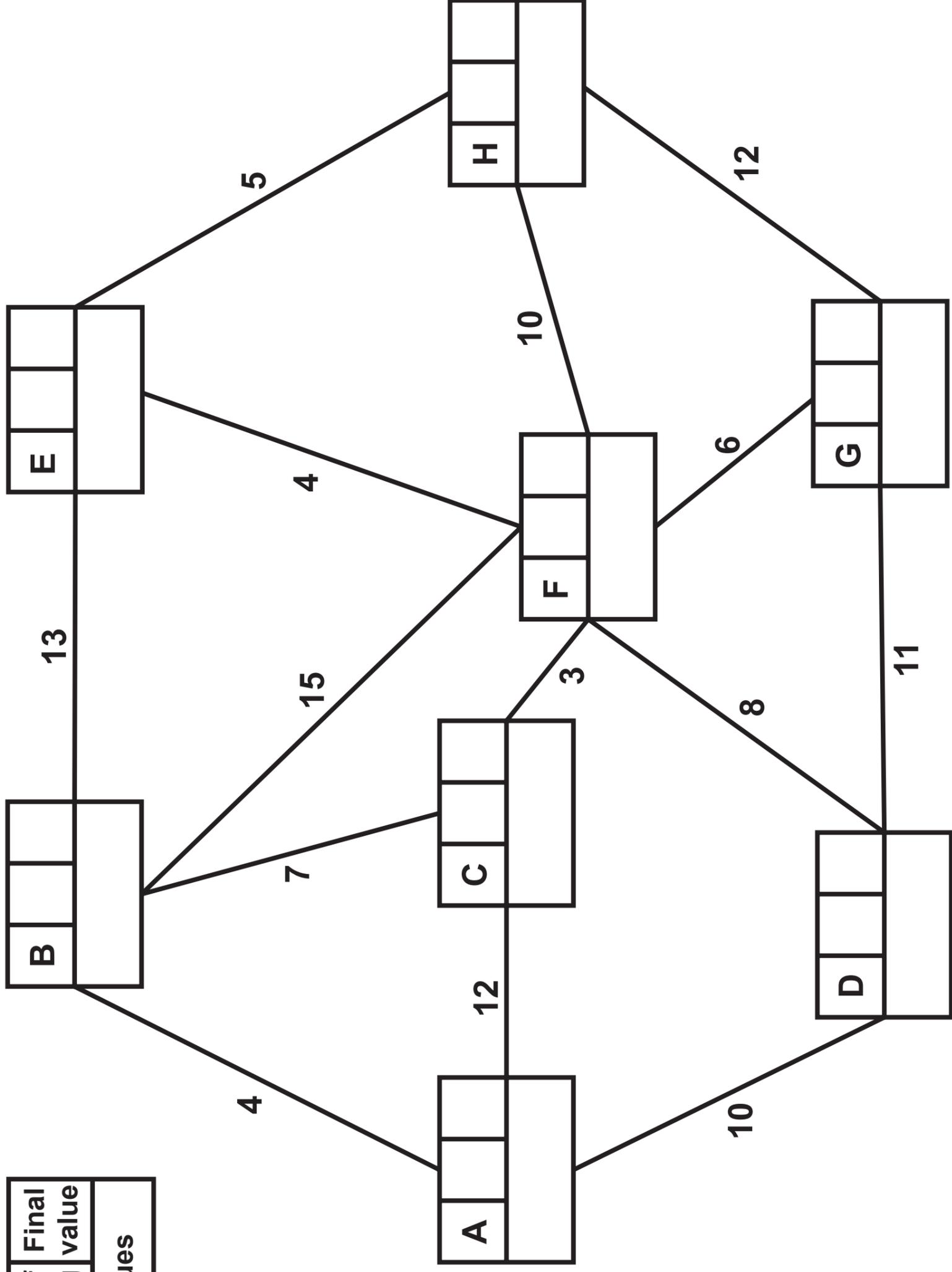


Diagram 5

**KEY:**

Vertex	Order of labelling	Final value
Working values		

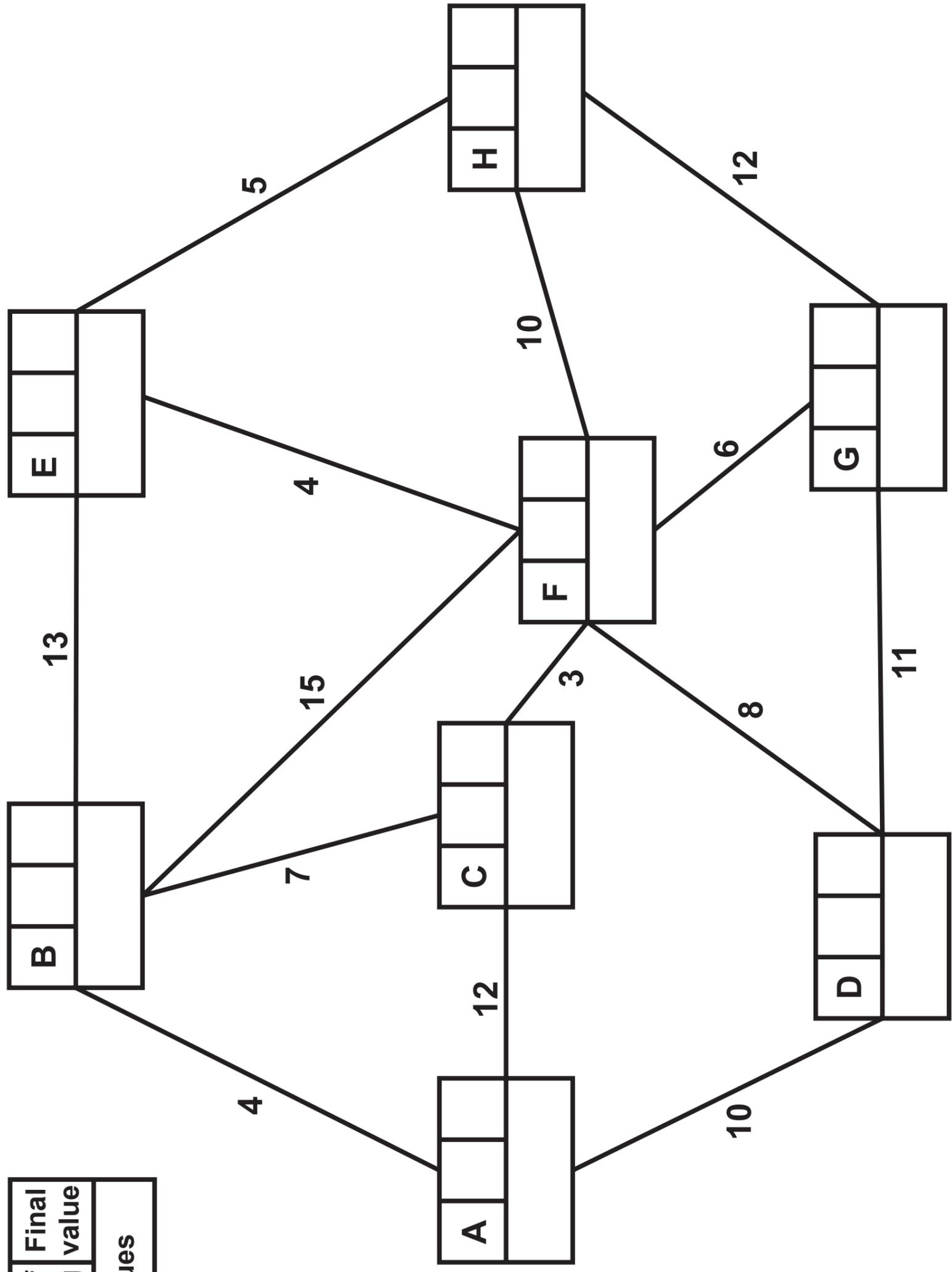


Shortest path \_\_\_\_\_

Diagram 5

**KEY:**

Vertex	Order of labelling	Final value
Working values		



Shortest path \_\_\_\_\_

Diagram 6

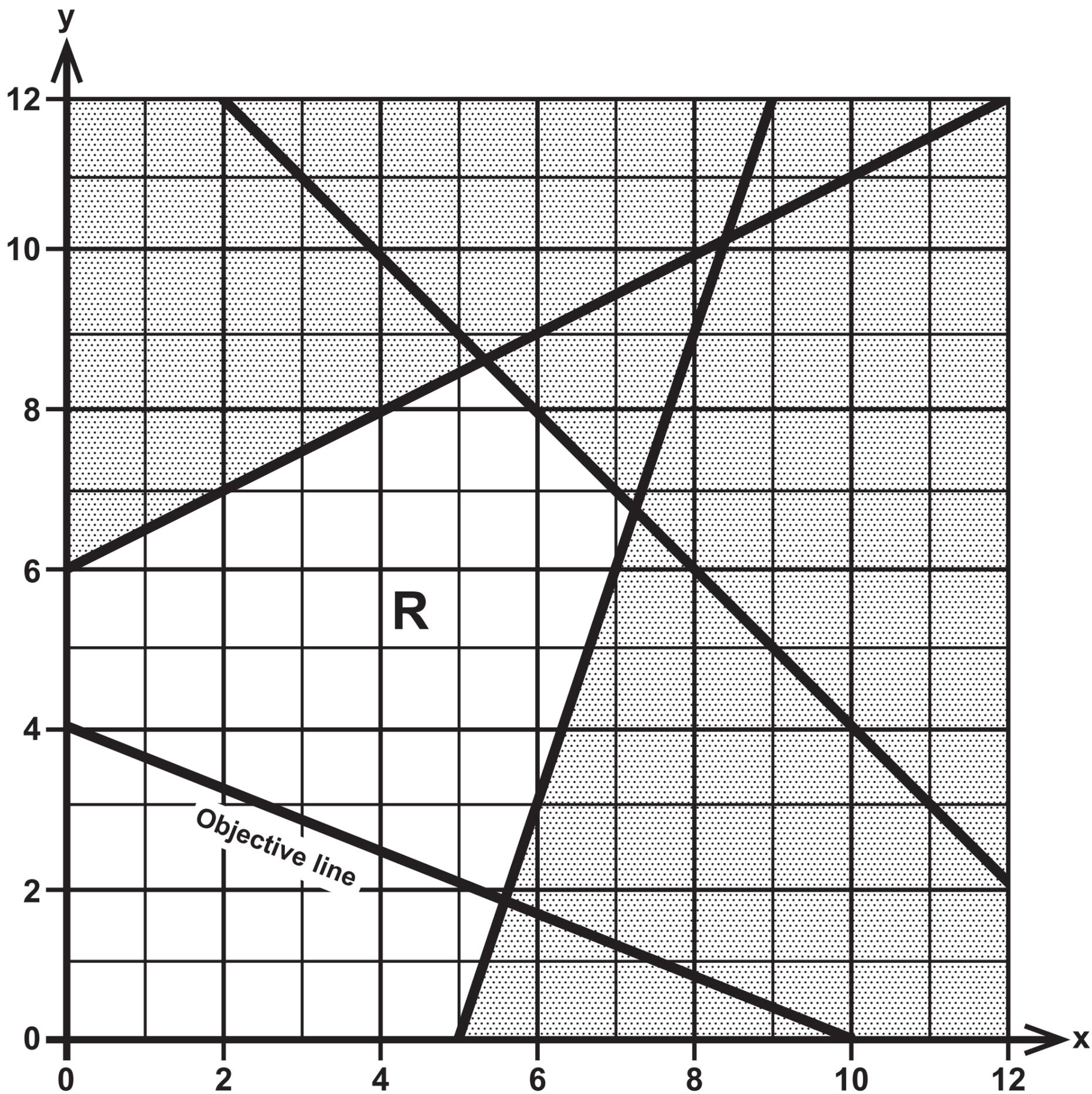


Diagram 6

