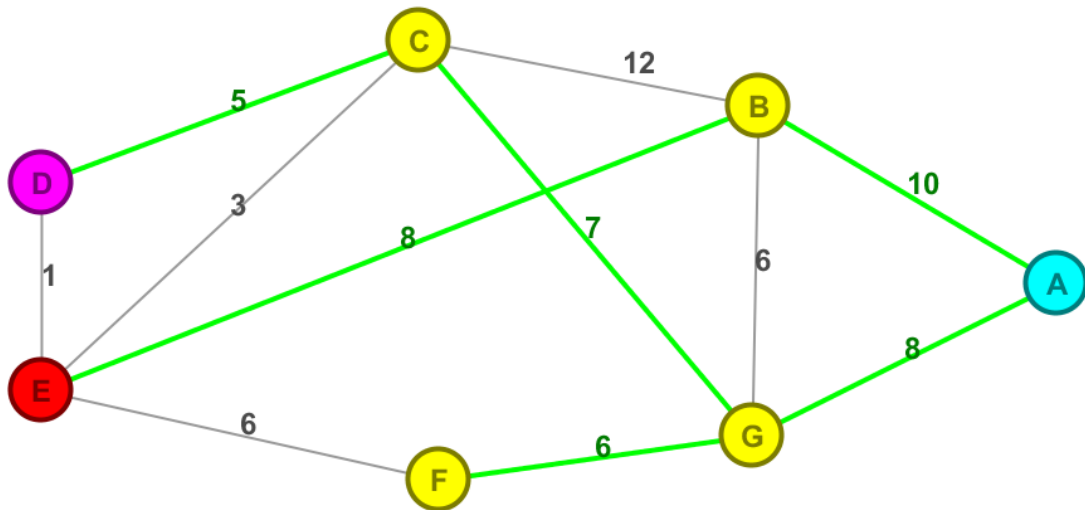Graph Tea : Short path between A and D

Algorithm Output:
Start of the algorithm. Select a starting vertex. Select a target vertex.
We are searching now for the minimum path from the starting vertex to the target vertex.
The red vertex is the current vertex
Compute the distance from the starting node until the neighbours of the node A .

Compute the distance from the starting node until the neighbours of the node G .

Compute the distance from the starting node until the neighbours of the node B .

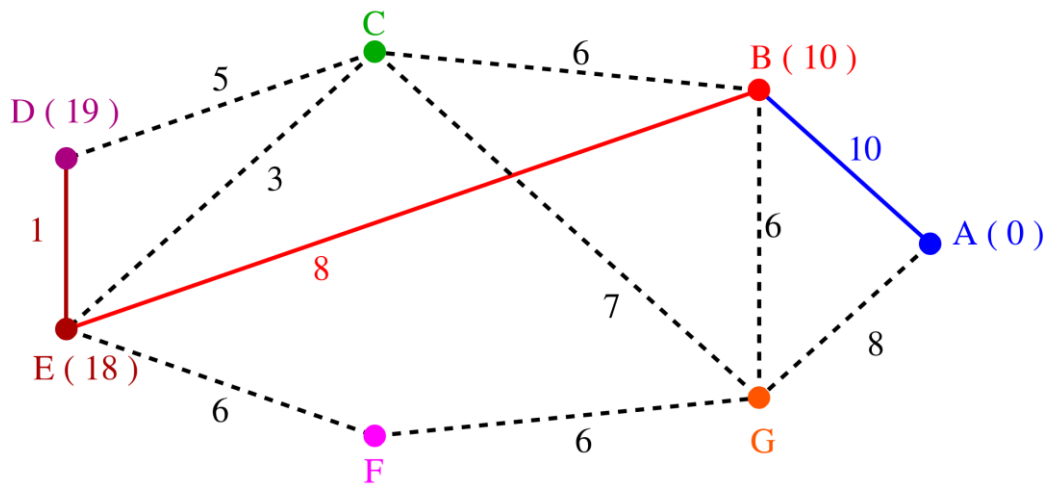Compute the distance from the starting node until the neighbours of the node F .
Compute the distance from the starting node until the neighbours of the node C .
The minimum path is found: 20 End of the algorithm

Dijkstra.

	A	B	C	D	E	F	G
A (0 A)	x	10 A					8 A
G (8 A)	x	~~14 G~~	15 G			14 G	x
B (10 A)	x	x	~~16 B~~		18 B		x
F (14 G)	x	x			~~20 F~~	x	x
C (15 G)	x	x	x	~~20 C~~	~~18 C~~	x	x
E (18 B)	x	x	x	19 E	x	x	x
D (19 E)	x	x	x	x	x	x	x

• **A – B – E – D : 19**

• **A – G – C – E – D : 19**