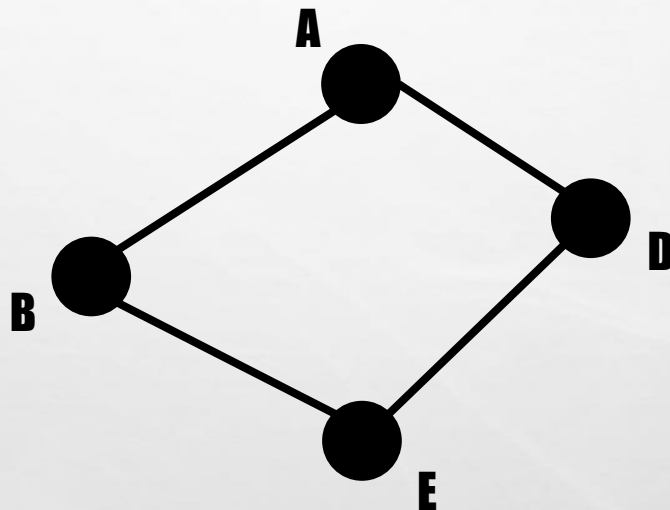


FORMAÇÃO CIENTISTA DE DADOS

TEORIA DE GRAFOS PARTE IV

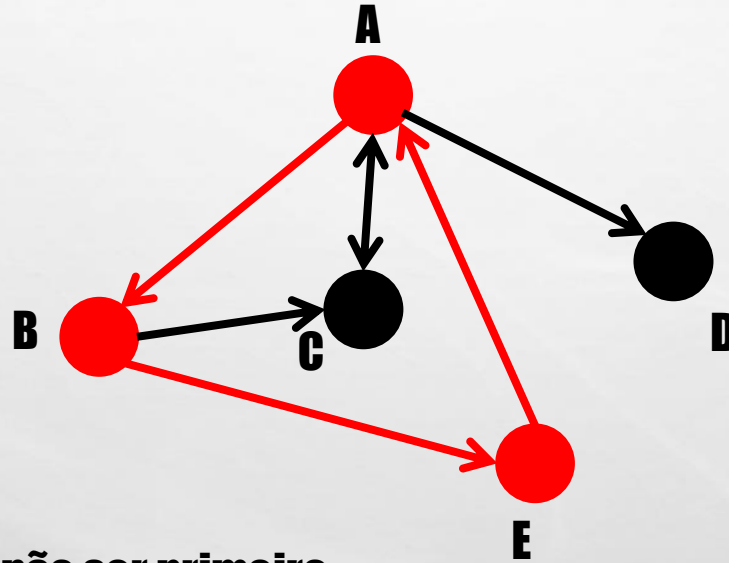


CICLO



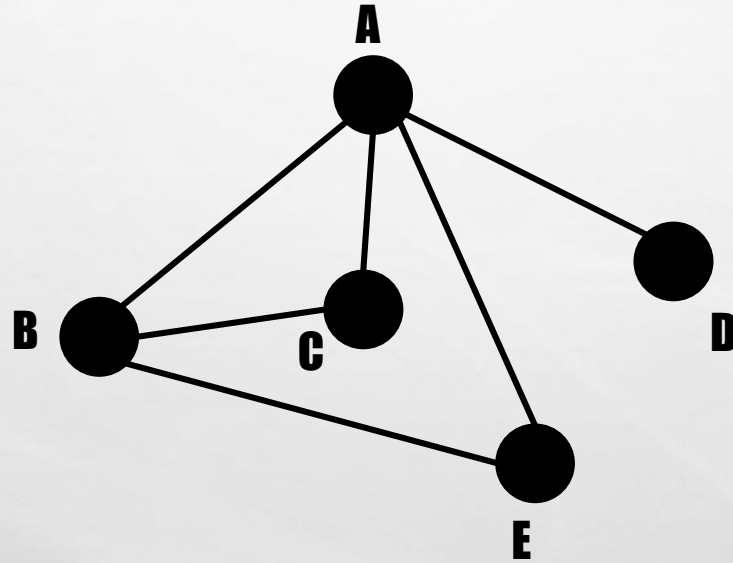
Grafo em que todo vértice tem grau 2

CAMINHO



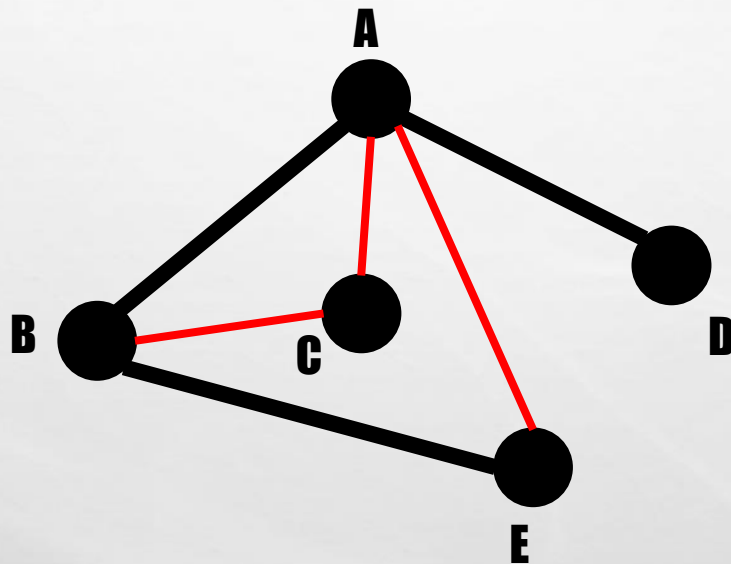
Path : não repete nó – a não ser primeiro

TAMANHO



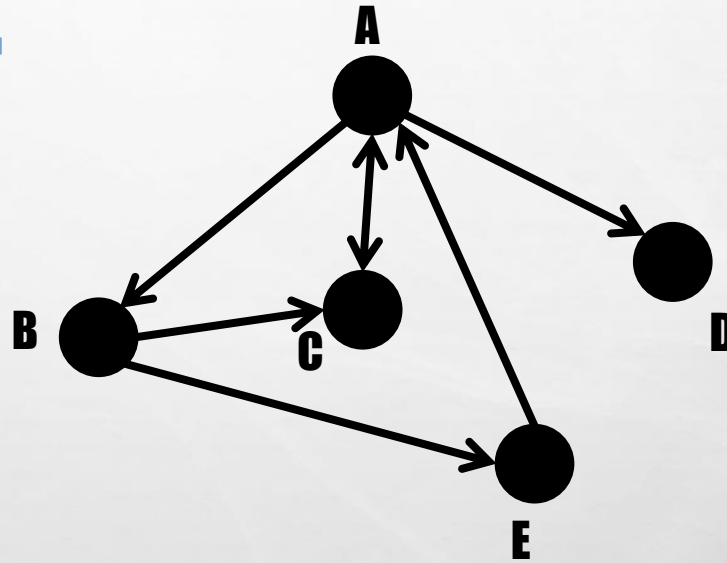
Número Total de Vértices = 5

FORÇA



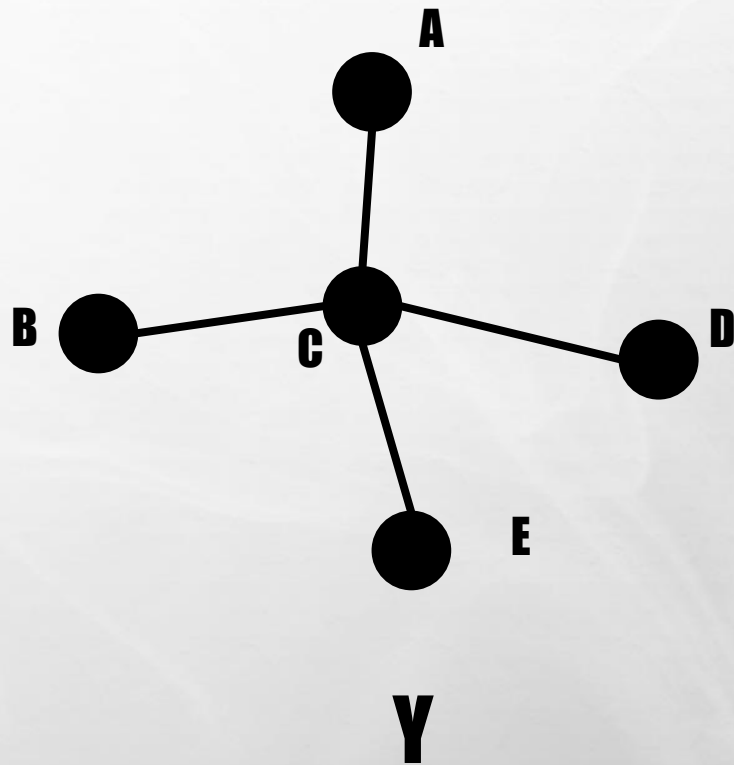
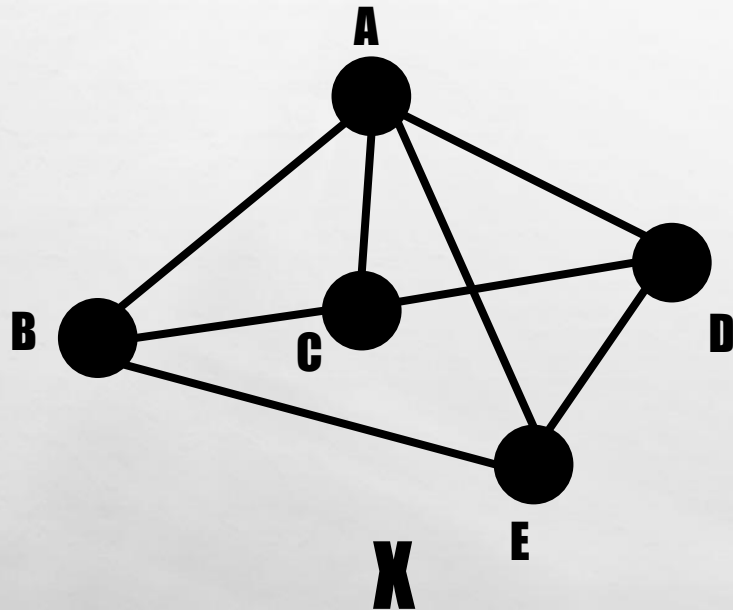
Mede a força da conexão entre vértices e arestas

ACESSIBILIDADE

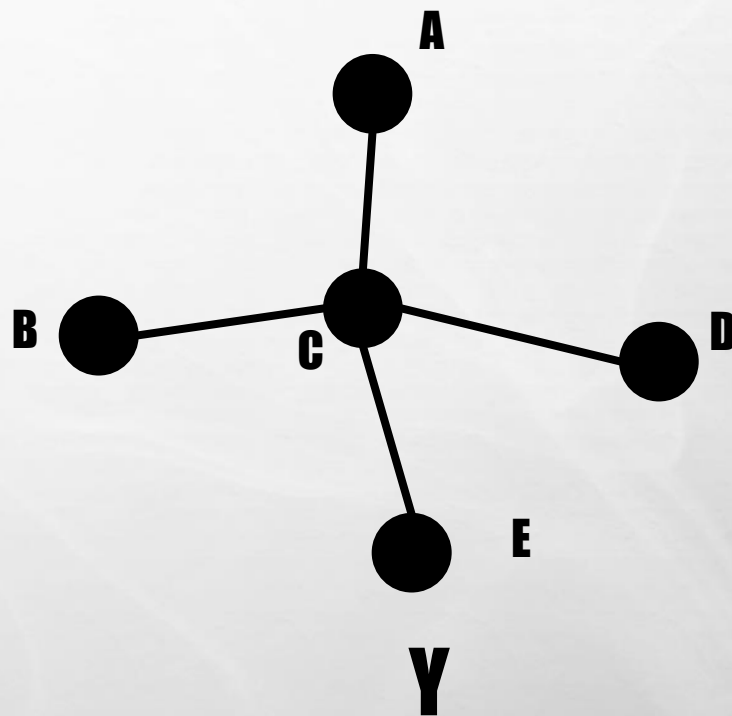
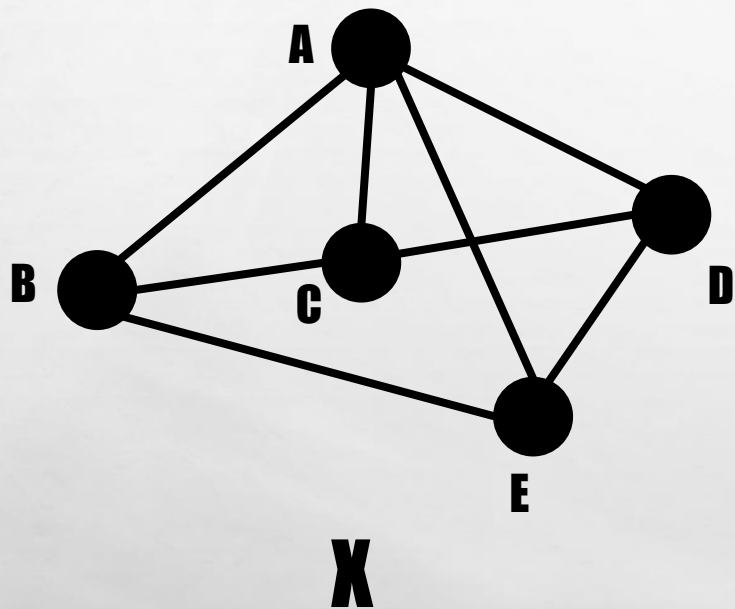


Um nó é acessível se houver um caminho até ele

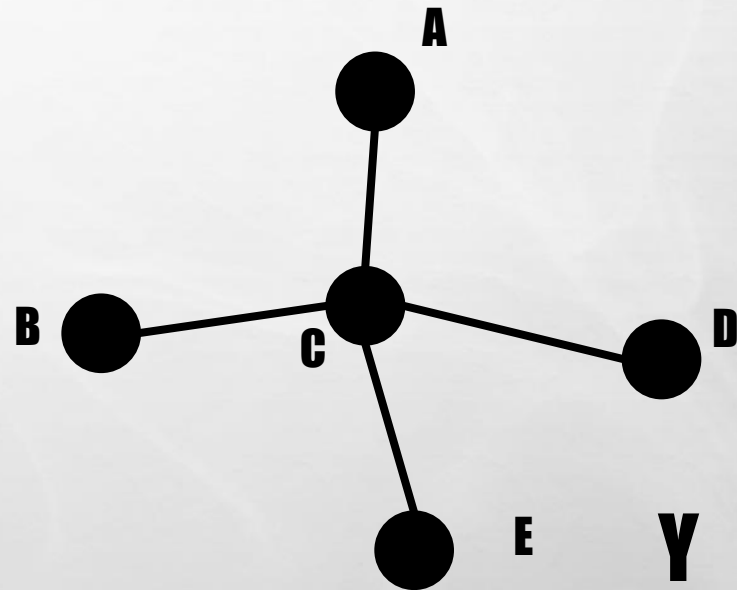
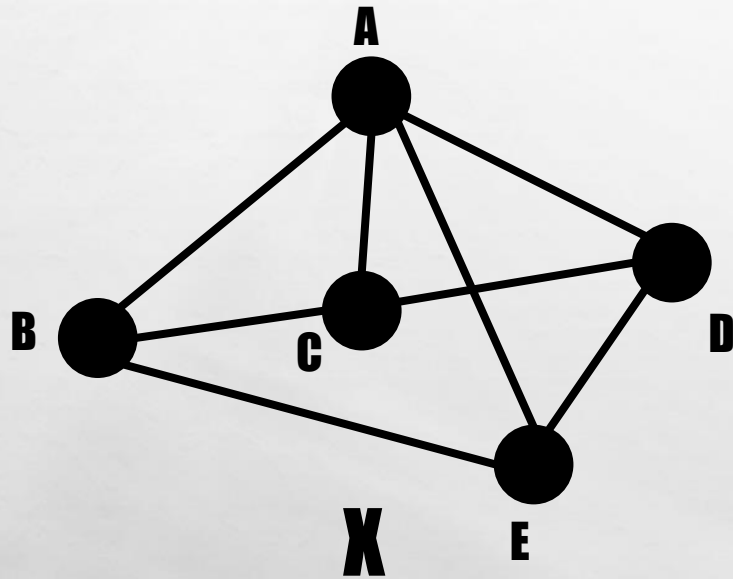
CENTRALIDADE



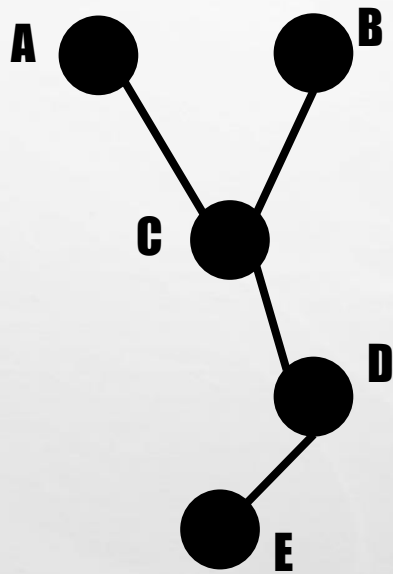
COESÃO



DENSIDADE

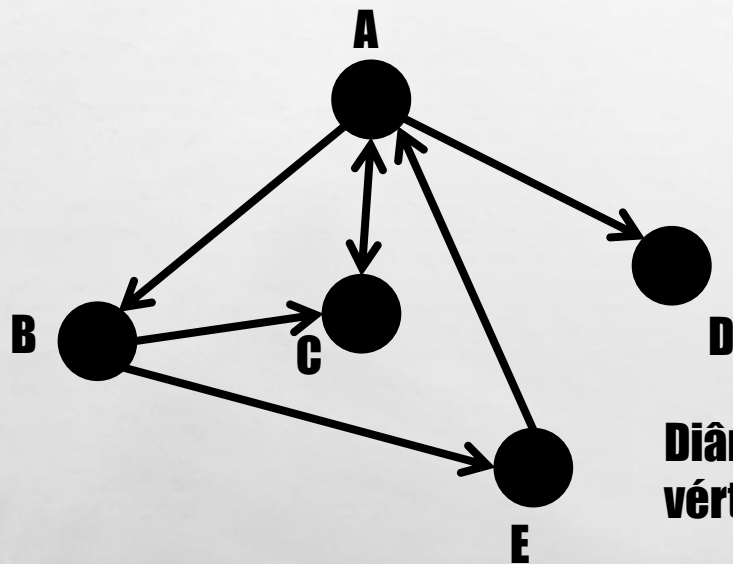


ÁRVORES



Grafo sem ciclos

MATRIZ DE DISTÂNCIAS



	A	B	C	D	E
A	0	1	1	1	2
B	2	0	1	3	1
C	1	2	0	2	3
D	∞	∞	∞	0	∞
E	1	2	2	2	0

Diâmetro de um grafo: distância máxima entre dois vértices. Neste caso, o diâmetro é 3