Map-reduce - Find mutual friends between every two

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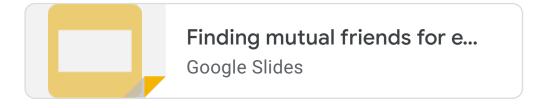
Input Sample:

A->(B,D,E)
B->(A,C)
C->(B,E)
D->(A)
E->(A,C)

Output Sample:

(A,B)=>()
(A,C)=>(B,E)
(A,D)=>()
(A,E)=>()
(B,C)=>()
(B,D)=>(A)
(B,E)=>(A,C)
(C,D)=>()
(C,E)=>()
(D,E)=>(A)

Know that for manual solution simplicity's sake names within input and output are chosen alphabetically sorted. Otherwise input as well output can be any random ordered names. Know that in output we do not expect pairs if there are no common friends. Above list again shows just for cross validation's sake.

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