

## Re: Directed graph connectedness – simple?

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- *From:* [berndlosert@xxxxxxxxxxxxx](mailto:berndlosert@xxxxxxxxxxxxx)
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Victor Porton wrote:

I've found myself already several hours attempting to prove seemingly obvious statement:

A directed graph (Vertices,Edges) is connected if and only if  
 $(A \times B) \cap \text{Edges} \neq \emptyset$   
for any two nonempty sets  $A$  and  $B$  such that  
 $A \cup B \supseteq \text{Vertices}$ .

Could you describe your problem using non-latex syntax. I have no idea what the statement is.

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Bernd