and $g: C \longrightarrow D$, their monoidal product $f \otimes g: A \times C \longrightarrow B \times D$ is their conjunction:

 $f \otimes g : (A \times C)^{op} \times (B \times D) \rightarrow_{Pos} Bool,$

Definition (Monoidal product in **DP**). Given two design problems $f: A \longrightarrow B$

 $\langle\langle a,c\rangle^*,\langle b,d\rangle\rangle\mapsto f(a^*,b)\wedge g(c^*,d).$ The diagrammatic representation of the monoidal product is reported in $\ref{eq:continuous}$?